REPORT

Civil Engineering and Development Department

Operation of Tuen Mun Fill Bank at Tuen Mun Area 38 from 2019 to 2023

Third Annual Air Quality Impact Assessment Review

June 2021

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Reference 0597144

For and on behalf of ERM-Hong Kong, Limited	
Approved by:	Frank Wan
Signed:	
Position:	Partner
Date:	3 June 2021

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1 INTRODUCTION

1.1 BACKGROUND

In accordance with requirements in Condition 3.29 of the current Environmental Permit (EP) (EP-210/2005/D), an air quality impact assessment (AQIA) review is required to be carried out annually during the extended operation (i.e. 2019 to 2023) of Tuen Mun Fill Bank (TMFB) to demonstrate compliance of the prevailing Air Quality Objectives (AQOs), taking into account the latest operational conditions of TMFB as well as potential changes to emissions of adjacent industrial sources, if any. Additional mitigation measures associated with the TMFB operation, if required, will be recommended in order to achieve compliance of the AQOs.

The Second Annual Air Quality Impact Assessment Review Report (hereafter referred to as "2020 AQIA Review Report") was submitted to EPD and approved on 28 May 2020 as per requirement under Condition 3.29 of the current EP.

ERM-Hong Kong, Ltd (ERM) has been commissioned by Civil Engineering and Development Department (CEDD) to prepare the third *Annual AQIA Review Report*. The assessment covers the operation period from June 2021 to May 2022 (hereafter referred to as the "Review Period").

2.1 REVIEW OF TMFB OPERATION

External trucks coming to TMFB for disposal of fill materials will directly go to the stockpiling area for unloading under current TMFB operation. Instead of allowing all external trucks to unload the fill materials directly to the stockpiling area, CEDD proposes to divert a majority of these external trucks, in particular those trucks with large load capacity, to a temporary elevated platform equipped with safety stopper where these external trucks can unload the fill materials in a more safe and secure manner. Internal trucks operated by the TMFB contractor will then transport the fill materials unloaded by the external trucks back to the stockpiling area. This latest operational arrangement will potentially lead to additional material handling and truck movement within the TMFB.

The latest operational arrangement as described above has been considered in this assessment for the Review Period. Other activities associated with the TMFB operation remain essentially the same as those assumed in the 2020 AQIA Review Report. It should also be noted that no additional off-site road traffic would be generated as a result of this latest operational arrangement. Key aspects of the TMFB operation conditions are summarised in *Table 2.1*. Key facilities within TMFB are illustrated in *Figure 2.1*.

Table 2.1 Key Aspects of TMFB Operation Conditions

Key Item	Current Operation Conditions	Operation Conditions (June 2021 to May 2022)
Stockpiling Capacity	• 4.2 million m^3	• No change
Maximum stockpiling height	• 40mPD	• No change
Operating hours for reception of public fill delivered by trucks	• From 08:30 hrs to 19:00 hrs, daily (close during Chinese New Year)	• No change
Nos. of incoming truck trips (public fill delivered by road)	• 1,300 truck loads/day	• No change
Operating hours of barging points	• B1, B2, B3 (exporting): 24 hour operation	• No change
	• IB1 and IB2 (importing): from 07:00 hrs to 23:00 hrs	• No change
Operation of the C&DMSF (NSA)	• 572 tonnes/hour (24 hour operation)	• No change
Operation of the site crusher	• 100 tonnes/hour (from 07:00 hrs to 23:00 hrs daily)	• No change

2.2 *PROJECTS IN TUEN MUN AREA 38 AND IN THE PROXIMITY*

2.2.1 *Construction & Demolition Materials Sorting Facility (C&DMSF)*

The processing capacity of the existing C&DMSF in the vicinity of TMFB will remain the same as the current capacity of 700 tonnes/day, for the purpose to estimate the dust emission rates associated with truck movements, materials handling and other applicable activities.

2.2.2 *Future Development in Tuen Mun Areas 40 and 46*

CEDD and PlanD have jointly commissioned a consultancy study viz. Agreement No. 20/2012 (TP) – Planning and Engineering Study for Tuen Mun Areas 40 and 46 and Adjoining Areas. The study area boundary also covers a portion of Tuen Mun Area 38 including the existing fill bank. Upon checking with CEDD and PlanD, such consultancy has been commenced in 2013 and is still ongoing. The proposed landuses in Tuen Mun Areas 40 and 46 and the implementation programme of the proposed landuses/development will be determined in the consultancy. The completion year of the development is expected to be beyond 2023. No information can be referenced at the time of preparation of this *Review Report*. As this future development is not expected to commence within the Review Period, it has not been considered in this assessment.

2.2.3 *Planned Logistic Development in Tuen Mun Area 49*

A proposed logistics development situated in Tuen Mun Area 49 has been approved by the Town Planning Board. The development includes a Cargo Handling and Forwarding Facility with ancillary offices. The subject site was awarded to Goodman Group on 2 May 2018. The construction of the proposed logistics development is expected to be completed by 31 December 2023 according to the Gazette Note G.N. 1748 of the Lands Department published on 29 March 2018.

2.2.4 *Potential Logistic Development in Tuen Mun Area 38*

A logistic development would potentially be constructed in Tuen Mun Area 38 as part of the future Tuen Mun West development. The construction and implementation programme of the development is currently under review. No information can be referenced at the time of preparation of this *Review Report*. As this future development is not expected to commence within the Review Period, it has not been considered in this assessment.

3 AIR QUALITY IMPACT ASSESSMENT

3.1 INTRODUCTION

This *Section* presents the review and assessment of the potential air quality impact associated with the TMFB operation and other industrial sources in the vicinity of TMFB for the upcoming 1 year (i.e. June 2021 to May 2022).

3.2 LEGISLATIVE REQUIREMENT AND EVALUATION CRITERIA

The principal legislation for the management of air quality in Hong Kong is the *Air Pollution Control Ordinance* (APCO) (Cap. 311). Under the APCO, the *Hong Kong Air Quality Objectives* (AQOs) (see *Table 3.1*) stipulate the statutory limits for air pollutants and the maximum allowable numbers of exceedances over specific periods.

Table 3.1 Hong Kong Air Quality Objectives

Air Pollutant	Averaging Time	Concentration ($\mu g\ m^{-3}$) [(a)]	No. of Exceedances Allowed per Year
Sulphur Dioxide (SO_2)	10 minute	500	3
	24-hours	125	3
Respirable Suspended Particulates (RSP) [(b)]	24-hours	100	9
	Annual	50	-
Fine Suspended Particulates (FSP) [(c)]	24-hours	75	9
	Annual	35	-
Nitrogen Dioxide (NO_2)	1-hour	200	18
	Annual	40	-
Carbon Monoxide (CO)	1-hour	30,000	0
	8-hour	10,000	0
Ozone (O_3)	8-hour	160	9
Lead	Annual	0.5	-

Notes:

(a) Measured at 293K and 101.325 kPa.

(b) Suspended particles in air with a nominal aerodynamic diameter of 10 μm or less

(c) Suspended particles in air with a nominal aerodynamic diameter of 2.5 μm or less

The *Technical Memorandum on the Environmental Impact Assessment Process* (EIAO-TM) issued under the *EIAO* states that the hourly concentration of Total Suspended Particulates (TSP) should not exceed 500 $\mu g\ m^{-3}$ (measured at 25 °C and 1 atmosphere) at Air Sensitive Receivers (ASRs) for dust impact assessment. The *Air Pollution Control (Construction Dust) Regulation* also recommends dust control measures for dust generating activities. Requirements stipulated in the *Air Pollution Control (Non-road Mobile*

Machinery) (Emission) Regulation will also be followed to control potential emissions from non-road mobile machinery within TMFB.

3.3 BASELINE CONDITIONS

The Study Area is defined as 500m from the TMFB site boundary as shown in *Figure 3.1*. A number of industrial sites are located to the west of TMFB within the Study Area, including Green Island Cement (GIC), Shiu Wing Steel Mill (SWSM), EcoPark and Permanent Aviation Fuel Facility (PAFF). The local air quality of the Project Site area is primarily influenced by vehicular emissions from local road networks, emissions associated with the operation of the TMFB as well as stack emissions from the aforementioned industrial sites.

3.3.1 *EPD's Air Quality Monitoring Station*

The nearest EPD's Air Quality Monitoring Station (AQMS) is located in Tuen Mun. The concentrations of RSP, FSP, NO_2 and SO_2 recorded at this AQMS in the past 5 years (2016 - 2020) are presented in *Table 3.2*.

Table 3.2 Concentrations of Air Pollutants Measured at the EPD's Tuen Mun AQMS in the Past 5 Years (2016 – 2020)

Year	Concentrations of Pollutants (μg m^{-3})							
	19th highest 1-hr NO_2	**Annual NO_2**	**4th highest 24-hr SO_2**	**4th highest 10-min SO_2**	**10th highest 24-hr RSP**	**Annual RSP**	**10th highest 24-hr FSP**	**Annual FSP**
2016	167	51 (a)	28	75	103 (b)	44	63	27
2017	188	46 (a)	26	88	99	43	65	27
2018	177	47 (a)	20	94	87	42	53	26
2019	166	47 (a)	12	45	89	41	53	24
2020	166	40	10	98	84	34	47	20
Prevailing AQOs	**200**	**40**	**125**	**500**	**100**	**50**	**75**	**35**

Notes:

(a) Exceedance of annual average NO_2 criterion.
(b) Exceedance of 24-hour average RSP criterion.
(c) Exceedance of 24-hour average FSP criterion.
(d) EPD's Tuen Mun AQMS is located at Tuen Mun Public Library, 1 Tuen Hi Road.

The annual average NO_2 concentrations exceeded the relevant AQO criterion from 2016 to 2019, but were in compliance in 2020. 24-hour average RSP concentrations showed exceedances of the relevant AQO criterion in 2016 but were in compliance for the recent 4 years (i.e. 2017 and 2020). No exceedances were recorded for other parameters for the past five years.

It should be noted that the Tuen Mun AQMS is situated in the urbanised area of Tuen Mun and more than 4km away from the Project site. Given the differences in land use and the considerable separation distance, the

monitoring data recorded at Tuen Mun AQMS may not be representative of the current baseline air quality at the Project site.

3.4 AIR SENSITIVE RECEIVERS

A number of representative existing ASRs as well as planned ASRs that may exist during the Review Period have been identified within the Study Area and they are listed in *Table 3.3*. The locations of the identified representative ASRs are shown in *Figure 3.1*.

Table 3.3 Identified Representative ASRs

ASR	Description	Type of Use [(a)]	Approx Separation Distance from the Site Boundary (m)	Approx Base Elevation (m)	Approx Max. Height (m above ground)
A3	EcoPark Tenant: WEEE	Industrial	30	5	4.5
A4	EcoPark Tenant: South China	Industrial	85	5	4.5
A5	EcoPark Tenant: Chung Yue	Industrial	90	5	4.5
A6	EcoPark Tenant: K Wah	Industrial	75	5	4.5
A9	EcoPark Administration Building	Industrial	255	6	4.5
A10	PAFF Office	Industrial	465	5	4.5
A11 [(a)]	Proposed Modern Logistics Development at TM Area 49	Industrial	70	10	10

Note:
(a) Planned ASR that may be present within the Review Period.

3.5 POTENTIAL SOURCES OF AIR EMISSIONS

3.5.1 Air Emission Sources Associated with TMFB Operation

The potential key air emission sources within TMFB were identified as below:

- Dust emissions from the TMFB operational activities including fill material handling at stockpiling areas and barging points, operation of material sorting facility (NSA) and the site crusher (C&DMCF), truck movements on major haul roads, as well as wind erosion from stockpiling areas;
- Vehicular emissions from internal roads within TMFB (incoming trucks and internal trucks); and
- Emissions from the site crusher (C&DMCF) and marine vessels (e.g. barges, derrick lighter, tugboat) during berthing and maneuvering for exporting and importing fill materials.

3.5.2 *Air Emission Sources in the Vicinity of TMFB*

Other potential key air emission sources within the Study Area include:

- Stack emissions from adjacent industrial sites including GIC, SWSM and EcoPark;
- Vehicular emissions from external roads within 500m of the Study Area; and
- Emissions from the existing C&DMSF and marine vessels during berthing and maneuvering for material transport at the berth next to C&DMSF.

As discussed in *Section 2.2.3*, the planned logistics development at Tuen Mun Area 49 has been awarded and its construction and operation may commence during the Review Period. The construction of the planned logistics development at Tuen Mun Area 49 will not involve large-scale excavation works and thus potential dust impacts during the construction are expected to be minimal. The planned logistics development at Tuen Mun Area 49 is expected to be used as warehouses during operation and industrial emissions are not anticipated. Potential induced traffic arising from the logistics development is expected to be minor and has been considered in the traffic forecast. Therefore, adverse concurrent air quality impact during the construction and operation of the logistics development is not expected.

3.5.3 *Key Air Pollutants of Interest*

The operation of TMFB primarily involves a number of activities including fill material handling, truck movements on haul roads as well as operation of sorting and crushing facilities, which may potentially give rise to dust impact at nearby ASRs. Operation of marine vessels, truck movements and the site crusher may also contribute gaseous emissions. Therefore, TSP, RSP, FSP, NO_2 and SO_2 were identified to be the key air pollutants of interest associated with the TMFB operation and they have been assessed quantitatively.

3.6 *ASSESSMENT METHODOLOGY AND ASSUMPTIONS*

3.6.1 *Dust Emissions from TMFB Operational Activities*

The dust emission sources associated with TMFB operational activities include fill material handling (loading/unloading at stockpiling areas and barging points), operation of material sorting facility (NSA) and the site crusher (C&DMCF), truck movements on haul roads and wind erosion from stockpiling areas. Due to the latest operational arrangement described in *Section 2.1*, additional material handling locations will be present within TMFB during the Review Period. The locations of the aforementioned dust emission sources are illustrated in *Figure 3.2*. The TSP, RSP and FSP emission rates were estimated based on published documents and references such as *Compilation of Air Pollutant Emission Factors, AP-42, 5th Edition* by the United States Environmental Protection Agency (USEPA). Air quality mitigation

measures as recommended in the Environmental Review Report for the Application for Variation of Environmental Permit (VEP) in 2018 (2018 ER Report) and the current EP-210/2005/D will continue to be implemented. These mitigation measures are presented in *Section 3.7* and have been considered in the assessment. The detailed TSP, RSP and FSP emission rate calculations, assumptions and emission inventory of these dust emission sources are provided in *Annex A1*.

3.6.2 Emissions from Marine Vessels and Site Facilities

Berthing and maneuvering emissions from marine vessels (i.e. barges, derrick lighter, tugboat) for exporting and importing fill materials, as well as emissions from diesel generators associated with the operation of the existing C&DMSF and the site crusher (C&DMCF) may give rise to RSP, FSP, NO_2 and SO_2 impacts. There is no gaseous emissions from NSA within the TMFB as it has been operated on electricity from CLP since 1 July 2019 as per requirement in the current EP-210/2005/D. Under the latest operational arrangement described in *Section 2.1*, there would be no change to the operation of the barging points B1, B2 and B3, which will continue to operate for 24 hours, assuming 24-hour emissions from marine vessels (berthing and maneuvering) at these barging points. The operation of the two other barging points (i.e. IB1 and IB2) for receipt of incoming public fill remains to be from 07:00 to 23:00 hrs where the amount of incoming public fill via marine route is minimal as most of the incoming public fill arrives at TMFB by trucks. In addition, the berth next to the existing C&DMSF may be used as a barging point for transport of bridge segment for the proposed Development of Kwu Tung North and Fanling North Project during the operation of TMFB and the associated berthing and maneuvering emissions have been considered in the assessment. The locations of the barging points, the diesel generators of the C&DMSF and the site crusher are shown in *Figure 3.2*. The detailed RSP, FSP, NO_2 and SO_2 emission rate calculations, assumptions and emission inventory are provided in *Annex A1*.

3.6.3 Vehicular Emissions from Internal and External Roads

NO_2, RSP and FSP emissions arising from TMFB internal road traffic (incoming trucks and internal trucks) and other external road traffic within the Study Area will contribute to the overall air quality impacts and thus have been considered in the quantitative assessment. Due to the latest operational arrangement described in *Section 2.1*, there would be additional truck movement within the TMFB. However, the projected traffic flows for the identified external roads remain unchanged as no additional off-site road traffic will be generated as a result of the mentioned latest operational arrangement. As per the approach presented in the 2018 ER Report, vehicular emissions within the Study Area were predicted to be the highest in 2019 during the extended operation of TMFB (i.e. 2019 to 2023) and thus have been adopted in this assessment. Traffic information for internal and external roads adopted in this assessment is detailed in *Annex A3*. The traffic forecast has been endorsed by Transport Department and the approval letter is provided in *Annex A6*. In order to minimise the potential air quality

impacts to EcoPark due to vehicular emissions from TMFB internal road traffic, the mitigation measures as recommended in the 2018 ER Report and as presented in *Section 3.7* would continue to be implemented and have been considered in this assessment. The internal road alignment and external roads within the Study Area are illustrated in *Figure 3.2* and *Figure 3.3,* respectively.

3.6.4 Other Major Industrial Emissions in the Vicinity of TMFB

GIC and SWSM

Stack emissions from GIC and SWSM may contribute to the cumulative air quality impact and thus have been considered in the quantitative assessment. The locations of these emission sources are shown in *Figure 3.3* and the emission inventory for GIC and SWSM is provided in *Annex A2*.

EcoPark

Waste Reduction Group of EPD (WRG) has been consulted with regard to the tenant conditions and potential emissions within EcoPark during the Review Period. There are three existing tenants with potential emissions within EcoPark, namely WEEE-Park, SSK Metal (waste batteries) and K Wah. As checked with WRG, WEEE-Park, SSK Metal and K Wah would continue to operate with the same emissions as assumed in the 2019 AQIA Review Report during the Review Period. Stack parameters and emission details for SSK Metal and K Wah were also checked against the latest SP licence register. As advised by WRG, a biochar system to be located next to the EcoPark Administration Building is proposed to commence operation in Q1 of 2022 within the Review Period. The stack parameters and emission information of the proposed biochar system were obtained from WRG. The emission inventory for EcoPark is provided in *Annex A2*. The stack locations within EcoPark are shown in *Figure 3.3*.

3.6.5 Assumptions and Modelling Approach

Air Dispersion Model and Meteorological Data

An EPD's recommended air dispersion model, AERMOD, was used to assess the potential air quality impact at the identified ASRs from dust emissions, marine emissions and industrial emissions. The quantitative assessment has been conducted following the latest EPD's *Guidelines for Local-scale Air Quality Assessment Using Model*.

The relevant PATH grids in which the identified ASRs are located have been identified. The predicted meteorological data for the relevant PATH grids were used for model input. The relevant PATH grids for the identified ASRs are shown in *Table 3.4.*

Table 3.4 Relevant PATH Grids for the Representative ASRs

ASR	Description	Relevant PATH Grid
A3	Eco Park Tenant: WEEE	16, 39
A4	EcoPark Tenant: South China	15, 38
A5	EcoPark Tenant: Chung Yue	15, 38
A6	EcoPark Tenant: K Wah	15, 38
A9	EcoPark Administration Building	15, 39
A10	PAFF Office	15, 38
A11	Proposed Modern Logistics Development	16, 39

AERMET was run to generate AERMOD-ready meteorological data for AERMOD model input. The land use parameters, including albedo, bowen ratio and surface roughness are required inputs for AERMET. The land use of 1km from the identified ASRs within each PATH grid has been evaluated to determine the PATH-grid specific surface roughness values. The land uses of 10km x 10km from the Project Site have also been evaluated to determine the values of albedo and bowen ratio for the PATH grids. Detailed calculations of albedo, bowen ratio and surface roughness are presented in *Annex A4*. Land use maps illustrating the determination of the land use parameters are also shown in *Annex A4*.

The AERMET/AERMOD model input parameters and assumptions for the assessment are summarised in *Table 3.5*.

Table 3.5 Model Input Parameters and Assumptions for Assessment

Input Parameters & Assumptions	Descriptions
Air dispersion model	AERMOD
Type of source	• Point sources, area sources
Assessment parameter	• 1-hour TSP • 24-hour RSP and annual RSP • 24-hour FSP and annual FSP • 1-hour NO_2 and annual NO_2 • 10-minute SO_2 and 24-hour SO_2
Meteorological data	• Weather Research and Forecasting Model (WRF) data in 2010 from PATH-2016 to be used to input into AERMET to produce AERMOD-ready meteorological data • PATH Grid – (15,38), (15,39) and (16,39) • Actual mixing heights recorded by the HKO in 2010 were in the range of 121m to 1,667m. Mixing heights from WRF data which are lower than 121m or higher than 1,667m to be adjusted to 121m and 1,667m, respectively • Wind direction of 0^o to be adjusted to 360^o • Wind speed smaller than 1m s^{-1} to be adjusted to 1m s^{-1} • Anemometer height of WRF data = 9m

An EPD's recommended model, EMFAC-HK v4.2, was used to predict the vehicular emission factors of NO_x, RSP and FSP for the 16 vehicle types in 2019. "EMFAC" mode was used for the model run. The latest *Use of Temperature and Relative Humidity Data for Vehicular Emission Factor Prediction* issued by EPD was followed for the treatment of ambient temperature and relative humidity in generating vehicular emission factors for this assessment. The minimum hourly ambient temperature and minimum hourly relative humidity recorded at the nearest weather station (i.e. Tuen Mun Weather Station) in 2020 were adopted in the EMFAC-HK to generate vehicular emission factors (i.e. NO, NO_2, RSP and FSP) for the assessment of 1-hour NO_2, 24-hour RSP, annual RSP, 24-hour FSP and annual FSP. For the assessment of annual NO_2, the daily profile of average temperature and relative humidity in each hour for each month in 2020 were adopted in the EMFAC-HK to generate the corresponding vehicular emission factors for NO and NO_2. EMFAC input assumptions, the output emission factors of NO, NO_2, RSP and FSP for the 16 vehicle types and the calculation of the composite emission factors are presented in *Annex A3*. An EPD's recommended air dispersion model, CALINE4, was used for predicting the NO_2, NO, RSP and FSP impacts due to vehicular emissions from the identified internal roads and open roads within the Study Area. Details of the road configurations are provided in *Annex A3*. Since the highest road height allowed in the input into CALINE4 model is limited at 10m, any road with road height greater than 10m was set at a height of 10m in the CALINE4 model as a conservative approach.

The land use types have been examined within an area of 3 km radius from the concerned PATH grids. As industrial, commercial and residential land uses account for less than 50% of the examined area, rural area was assumed and the surface roughness height of 100cm for rural area was adopted for the CALINE4 model run. Wind directional variability was calculated based on the following formula according to the stability class with reference to Irwin, J.S., 1980 (1).

$$S_o = S \times (Z_o/15\text{cm})^{0.2}$$

Where

Z_o = is the surface roughness length (in cm) of the PATH grid;
S_o = is the standard deviation of the horizontal wind direction Fluctuations (in degrees)
S = is the standard deviation of the horizontal wind direction fluctuations (in degrees) for an aerodynamic surface roughness length of 15cm with reference to Irwin, J.S., 1980. S is a function of Pasquill stability class.

Table 3.6 shows the standard deviations of the horizontal wind direction fluctuations under different Pasquill Stability categories for the concerned PATH grid.

(1) Dispersion Estimate Suggestion #8: Estimation of Pasquill Stability Categories. U.S. Environmental Protection Agency, Research Triangle Park, NC. (Docket Reference No.II-B-10), Irwin, J.S., 1980.

Table 3.6 ***The Standard Deviation of the Horizontal Wind Direction Fluctuations under Different Pasquill Stability Categories***

Pasquill Stability Class	Standard Deviation of the Horizontal Wind Direction Fluctuations (in degrees)
PATH Grid (15,38), (15,39), (16,39)	
A	32.9
B	32.9
C	25.6
D	18.3
E	11.0
F	5.6

The CALINE4 model input parameters and assumptions are summarised in *Table 3.7.*

Table 3.7 ***Model Input Parameters and Assumptions for Assessment of Vehicular Emissions***

Input Parameters & Assumptions	Descriptions
Air dispersion model	• CALINE4
Year of traffic flow	• Year 2019
Vehicle emission factors	• EMFAC-HK emission factors for 2019
Assessment parameter	• 24-hour RSP and annual RSP • 24-hour FSP and annual FSP • 1-hour NO_2 and annual NO_2
Meteorological data	• Weather Research and Forecasting Model (WRF) data in 2010 from PATH-2016 • PATH Grid – (15,38), (15,39) and (16,39) • Actual mixing heights recorded by the HKO in 2010 were in the range of 121m to 1,667m. Mixing heights from WRF data which are lower than 121m or higher than 1667m to be adjusted to 121m and 1,667m, respectively • Wind speeds smaller than the 0.5 m s^{-1} recommended by the CALINE4 model were adjusted to 0.5 m s^{-1}. • Stability class calculated by PCRAMMET (version 99169) • Calculation of wind directional variability based on stability class and surface roughness length of 100 cm for rural areas.

Background Air Quality

For the assessment of NO_2 impact, the PATH-2016 model in 2019 was re-run to exclude NO_x emissions from road traffic and industrial emissions (i.e. GIC) within the Study Area and marine emissions off the coast of EcoPark and TMFB (Grid 15,38). This is to avoid double counting of NO_x emissions from road traffic and industrial emissions which have been considered in Tier-2 contributions. The same amount of marine NO_x emissions removed from the PATH-2016 model have been added to Tier-2 (AERMOD).

The hourly NO_2 concentrations in 2019 predicted by the PATH-2016 model re-run were adopted as the background air quality. The hourly RSP and SO_2 concentrations in 2019 from the unmodified PATH-2016 model run obtained from EPD's website were used as the background air quality for the assessment.

The background air pollutant concentrations predicted by the PATH-2016 model in 2019 for the PATH grids within the Study Area adopted in this assessment are presented in *Table 3.8*. The use of background air pollutant concentrations in 2019 produce conservative assessment results as background air pollutant concentrations in 2021 and beyond are lower than those in 2019.

Table 3.8 Background Air Pollutant Concentrations Predicted by the PATH-2016 Model in 2019

PATH Grid	Concentration of Pollutants (μg m^{-3})								
	19th highest 1-hour NO_2 (c)	**Annual NO_2 (c)**	**4th highest 24-hour SO_2**	**4th highest 10-min SO_2 (a)**	**10th highest 24-hour RSP (b)**	**Annual RSP (b)**	**10th highest Daily Max. 8-hour O_3**	**Daily Max. 1-hour CO**	**Daily Max. 8-hour CO**
15, 38	126	32	40	208	86	38	140	975	837
15, 39	120	27	37	189	82	35	152	974	834
16, 39	124	28	36	169	84	36	155	975	829
Prevailing AQOs	**200**	**40**	**125**	**500**	**100**	**50**	**160**	**30,000**	**10,000**

Notes:

(a) The multiplicative factor for the stability class calculated for each hour was applied to the 1-hour SO_2 concentrations to estimate the 10-minute SO_2 concentrations.

(b) An adjustment of 26.5ug/m^3 and 15.6ug/m^3 were added to the RSP background for calculation of 24-hour RSP and annual RSP, respectively.

(c) The presented NO_2 results are from PATH-2016 model re-run with NOx emissions from road traffic and industrial emissions in relevant PATH grids removed to avoid double-counting.

As shown in *Table 3.8*, the background air pollutant concentrations in the relevant PATH grids in 2019 are below the relevant AQO criteria.

In accordance with the *Guidelines on Choice of Models and Model Parameters* published by EPD, an adjustment of 26.5 μg m^{-3} and 15.6 μg m^{-3} was added to hourly RSP background predicted by PATH-2016 for the assessment of 24-hour and annual RSP, respectively.

FSP data are not available in the hourly PATH-2016 background concentration results provided by the EPD. According to the EPD's *Guidelines on the Estimation of $PM_{2.5}$ for Air Quality Assessment in Hong Kong*, FSP hourly background data can be obtained by multiplying the PATH-2016 hourly RSP background with a weight fraction. *Table 3.9* presents the EPD recommended FSP to RSP ratios which are adopted in this assessment.

Table 3.9 FSP to RSP Ratios as recommended by the EPD

	Annual	24-hour
FSP ($PM_{2.5}$)/RSP (PM_{10}) ratio	0.71	0.75

Note:

(a) Reference to EPD's *"Guidelines on the Estimation of $PM_{2.5}$ for Air Quality Assessment in Hong Kong"*.

Post-processing of Modelling Results

For stack emissions, the hourly concentrations of NO_x were predicted at the relevant assessment heights of the identified ASRs. Ozone Limiting Method (OLM) was adopted for the conversion of NO_x to NO_2. The initial NO_2/NO_x ratio for stack emissions was assumed to be 0.1 (1), with NO and NO_2 comprising 90% and 10% of NO_x, respectively. For vehicular emissions, individual NO_2/NO_x ratios of each vehicle type in 2019 have been used to estimate the overall NO and NO_2 emissions arising from road traffic with reference to recommendation in EPD's *Guidelines for Local-scale Air Quality Assessment Using Models*.

The predicted NO concentrations from all modelled sources were converted to NO_2 based on Ozone Limiting Method (OLM) and were added with the predicted NO_2 concentrations from all modelled sources to determine the total predicted NO_2 concentrations at the ASRs. The total predicted NO_2 concentrations were calculated as follows:

$$[NO_2]_{pred\ total} = [NO_2]_{pred} + MIN\ \{[NO]_{pred}, or\ (46/48)x[O_3]_{bkgd}\}$$

where

$[NO_2]_{pred\ total}$ = *the total predicted NO_2 concentration*
$[NO_2]_{pred}$ = *sum of the predicted NO_2 concentration due to direct emissions from all sources*
$[NO]_{pred}$ = *sum of the predicted NO concentration from all sources*
MIN means the minimum of the two values within the brackets
[O3]bkgd = the representative O_3 background concentration; (46/48) is the molecular weight of NO_2 divided by the molecular weight of O_3

Predicted ozone concentrations in 2019 obtained from the PATH-2016 model re-run were used for the conversion of NO_x to NO_2 in OLM.

The hourly SO_2 concentrations at the identified ASRs were converted into 10-minute SO_2 concentrations for comparison with the respective AQO criterion. According to the EPD's *"Guidelines on the Estimation of 10-minute Average SO_2 Concentration for Air Quality Assessment in Hong Kong"*, it is recommended that the stability-dependent multiplicative factors from Duffee *et al.*, 1991(2) be used. The conversion factors adopted in this assessment for the different stability classes are shown in *Table 3.10.*

(1) Air Quality Studies for Heathrow: Base Case, Segregated Mode, Mixed Mode and Third Runway Scenarios modelled using ADMS-Airport, 2007.

(2) Richard A. Duffee, Martha A. O'Brien and Ned Ostojic (1991) Odor Modeling - Why and How. Page 295, *Recent Developments and Current Practices in Odor Regulations, Controls and Technology*. Air & Waste Management Association, 1991.

Table 3.10 Conversion Factors from 1-hour to 10-minutes Mean Concentrations

Pasquill Stability Class	Conversion Factor (1-hour to 10-minute)
A	2.45
B	2.45
C	1.82
D	1.43
E	1.35
F	1.35

Note:
(a) Reference to the EPD's *"Guidelines on the Estimation of 10-minute Average SO_2 Concentration for Air Quality Assessment in Hong Kong"*

Cumulative Impact

The predicted TSP, RSP, FSP, NO_2 and SO_2 results from AERMOD and CALINE4 models at each ASR were added up with the PATH-2016 background concentrations on an hour-by-hour basis. Considering that vehicular RSP emissions also contribute to the total TSP impact, TSP results from AERMOD were added up with the RSP results from CALINE4 and PATH-2016 background RSP concentrations to assess the cumulative TSP impact. The relevant time period averages for each air pollutant assessed were calculated and compared with the relevant assessment criteria to evaluate the cumulative air quality impact at the identified ASRs.

3.7 AIR QUALITY MITIGATION MEASURES

Relevant dust control measures stipulated in the *Air Pollution Control (Construction Dust) Regulation* will continue to be implemented in the Review Period. Requirements stipulated in the *Air Pollution Control (Non-road Mobile Machinery) (Emission) Regulation* will also be followed to control potential emissions from non-road mobile machinery within TMFB.

Air quality mitigation measures relevant to the site crusher operation are listed below:

- Haul roads and material stockpiling areas associated with the operation of the site crusher will be watered at least once every hour to minimise potential dust generation;
- At the barging point, the drop height between the barge and dump trucks shall be minimised;
- Tipping halls provided for transfer of public fill from trucks to barges shall be top and 3-sides enclosed;
- Truck speed within the site shall be controlled to within 10km/hour; and

- The site crusher will be switched off when not in use as far as practicable to reduce potential gaseous emissions.

Other air quality control measures as recommended in the 2018 ER Report and in the latest EP-210/2005/D to reduce potential air quality impact to the surrounding (in particular EcoPark) will continue to be implemented during the Review Period. These include:

- Major haul roads and material stockpiling areas will be watered at least once every hour during operation to ensure that the roads and stockpiling areas are kept sufficiently dampened;

- Temporary slope surfaces of the stockpiling areas shall be covered with tarpaulin sheets or other impermeable sheets, or sprayed with water or a dust suppression chemical;

- Internal haul roads R3, R4, R5 and R11 shall be kept wet at all times;

- Site hoarding of at least 2.4m high shall be provided along the boundaries of the site except at the site entrance/exit;

- Vehicle wheel washing facilities including high pressure water jets shall be provided at designated vehicle exit points and operated by designated staff. Before leaving the site, every vehicle shall be washed to remove any dusty materials from its body and wheels;

- Trucks carrying dusty load entered to the site shall be sprayed with water once the impervious sheeting covering the load is removed;

- All public fill delivery trucks carrying dusty load leaving the fill bank shall be required to be covered entirely by clean impervious sheeting to prevent the dusty materials leaking from the vehicles;

- All haul roads within the site shall be paved with concrete, bituminous materials, hardcores or metal plates;

- At the barging point, the drop height between the barge and dump trucks shall be minimised;

- Tipping halls provided for transfer of public fill from trucks to barges shall be top and 3-sides enclosed;

- Truck speed within the site shall be controlled to within 10km/hour;

- All dusty fill materials shall be sprayed with water or a dust suppression chemical prior to loading, unloading or transfer so as to maintain the fill material wet, except of situations where the moisture content of the dusty material is a matter of concern;

- Loading of public fill delivered by barges to the site shall be sprayed with water at the material landing point to minimise dust emissions except

when the materials are sufficiently dampened when landed. Any mist spraying applied should only dampen the dusty materials and overwatering should be avoided;

- Belt conveyor systems used for transfer of dusty materials shall be enclosed on top and 2 sides. Every transfer point between two conveyors shall be totally enclosed;
- Belt conveyor shall be equipped with bottom plates or other similar means to prevent falling of materials from the return belt;
- The vertical distance between the belt conveyor and the material landing point shall be maintained at no more than 1m;
- Dusty materials loaded from a belt conveyor outlet to stockpiles, storage bins, trucks, barges and other open areas shall be sprayed with water or a dust suppression chemical;
- Haul road R11 shall be no less than 75m away from the western site boundary of TMFB;
- Vertical barrier of 5m high shall be erected along the west side of haul road R11;
- Sorted material from NSA shall be delivered to the barging point B3 via an enclosed conveyor belt system to avoid delivery by trucks;
- NSA and its associated enclosed conveyor belt system was connected to CLP power supply since 1 July 2019 to avoid emissions from diesel generators; and
- Internal trucks within TMFB shall be at least of Euro V emission standard.

3.8 EVALUATION OF IMPACTS

3.8.1 TSP, RSP and FSP Impacts

Cumulative TSP, RSP and FSP impacts on the identified ASRs have been assessed. The predicted cumulative maximum 1-hour TSP, 10th highest 24-hour and annual RSP, and 10th highest 24-hour and annual FSP at the worst affected height of the identified ASRs are presented in *Table 3.11*. Detailed results of all relevant assessment heights of each ASR are provided in *Annex A5*.

Table 3.11 ***Predicted Cumulative TSP, RSP and FSP Concentrations at the Worst Affected Height at Identified ASRs***

ASR	Predicted Cumulative Concentration (μg m^{-3})				
	Max 1-hour TSP	10th Highest 24-hour RSP (a)	Annual RSP	10th Highest 24-hour FSP (a)	Annual FSP
A3	348.2	86.7	38.6	65.2	26.8
A4	365.5	95.0	43.4	68.3	29.2
A5	446.4	93.8	43.0	66.7	28.7
A6	407.5	96.1	45.0	69.8	30.1
A9	202.3	84.7	37.7	63.3	26.4
A10	203.6	90.3	40.6	67.4	29.0
A11	298.2	85.9	37.3	64.6	26.3
Criteria (b)	**500**	**100**	**50**	**75**	**35**

Notes:

(a) The AQO allows 9 exceedances over a year, therefore, the results presented are in the 10th highest.

(b) The 1-hour TSP criterion is referenced from EIAO-TM. RSP and FSP criteria are AQO criteria.

The assessment results show that the cumulative TSP, RSP and FSP impacts at the identified ASRs comply with the relevant AQO criteria. Therefore, adverse TSP, RSP and FSP impact due to TMFB operation during the Review Period is not anticipated.

3.8.2 NO_2 Impacts

Cumulative NO_2 impacts on the identified ASRs have been assessed. The predicted cumulative 19th highest 1-hour NO_2 and annual NO_2 at the worst affected height of the identified ASRs are presented in *Table 3.12*. Detailed results of all relevant assessment heights of each ASR are provided in *Annex A5*.

Table 3.12 ***Predicted Cumulative NO_2 Concentrations at the Worst Affected Height at Identified ASRs***

ASR	Predicted Cumulative Concentration (μg m^{-3})	
	19th Highest 1-hour NO_2 (a)	Annual NO_2
A3	153.8	38.4
A4	146.1	39.2
A5	146.7	39.1
A6	146.0	39.0
A9	144.3	36.6
A10	140.2	37.9
A11	156.7	38.6
AQO Criteria	**200**	**40**

Note:

(a) The AQO allows 18 exceedances over a year, therefore, the results presented are in the 19th highest.

The assessment results show that the cumulative NO_2 impacts at the identified ASRs comply with the relevant AQO criteria. Therefore, adverse NO_2 impact due to TMFB operation during the Review Period is not anticipated.

3.8.3 SO_2 Impacts

Cumulative SO_2 impacts on the identified ASRs have been assessed. The predicted cumulative 4th highest 10-minute SO_2 and 4th highest 24-hour SO_2 at the worst affected height of the identified ASRs are presented in *Table 3.13*. Detailed results of all relevant assessment heights of each ASR are provided in *Annex A5*.

Table 3.13 Predicted Cumulative SO_2 Concentrations at the Worst Affected Height at Identified ASRs

ASR	Predicted Cumulative Concentration (μg m^{-3})	
	4th Highest 10-min SO_2 (a)	4th Highest 24-hour SO_2 (a)
A3	199.4	37.0
A4	223.0	40.6
A5	220.2	40.4
A6	222.9	40.9
A9	206.4	37.2
A10	208.4	40.4
A11	186.8	37.0
AQO Criteria	**500**	**125**

Note:

(a) The AQO allows 3 exceedances over a year, therefore, the results presented are in the 4th highest.

The assessment results show that the cumulative SO_2 impacts at the identified ASRs comply with the relevant AQO criteria. Therefore, adverse air quality impact from potential SO_2 emissions due to TMFB operation during the Review Period is not anticipated.

3.9 EM&A REQUIREMENTS

The monitoring locations, monitoring frequency and equipment used for the existing 1-hour and 24-hour TSP monitoring as required under the EM&A programme will remain unchanged. 1-hour TSP levels and 24-hour TSP levels will be monitored three times every six days and once every six days, respectively, using high volume samplers. The locations of TM-A1 and TM-A2 are shown in *Figure 3.1*.

The potential air quality impacts associated with the TMFB operation as well as adjacent industrial sources in the upcoming 1 year (i.e. during the Review Period, June 2021 to May 2022) have been evaluated. The operation of the TMFB during the Review Period has been reviewed and the latest operational conditions within the TMFB has been taken into account in this assessment. In addition, industrial emission sources within the Study Area have been reviewed. Emissions within EcoPark during the Review Period have been updated based on latest information provided by WRG of EPD. The assessment results demonstrated that the predicted cumulative pollutant concentrations at the ASRs comply with the prevailing AQOs and thus no adverse air quality impact is anticipated during the Review Period.

The existing air quality mitigation measures and monitoring being implemented within the TMFB remain applicable and no additional mitigation measure or monitoring is considered necessary.

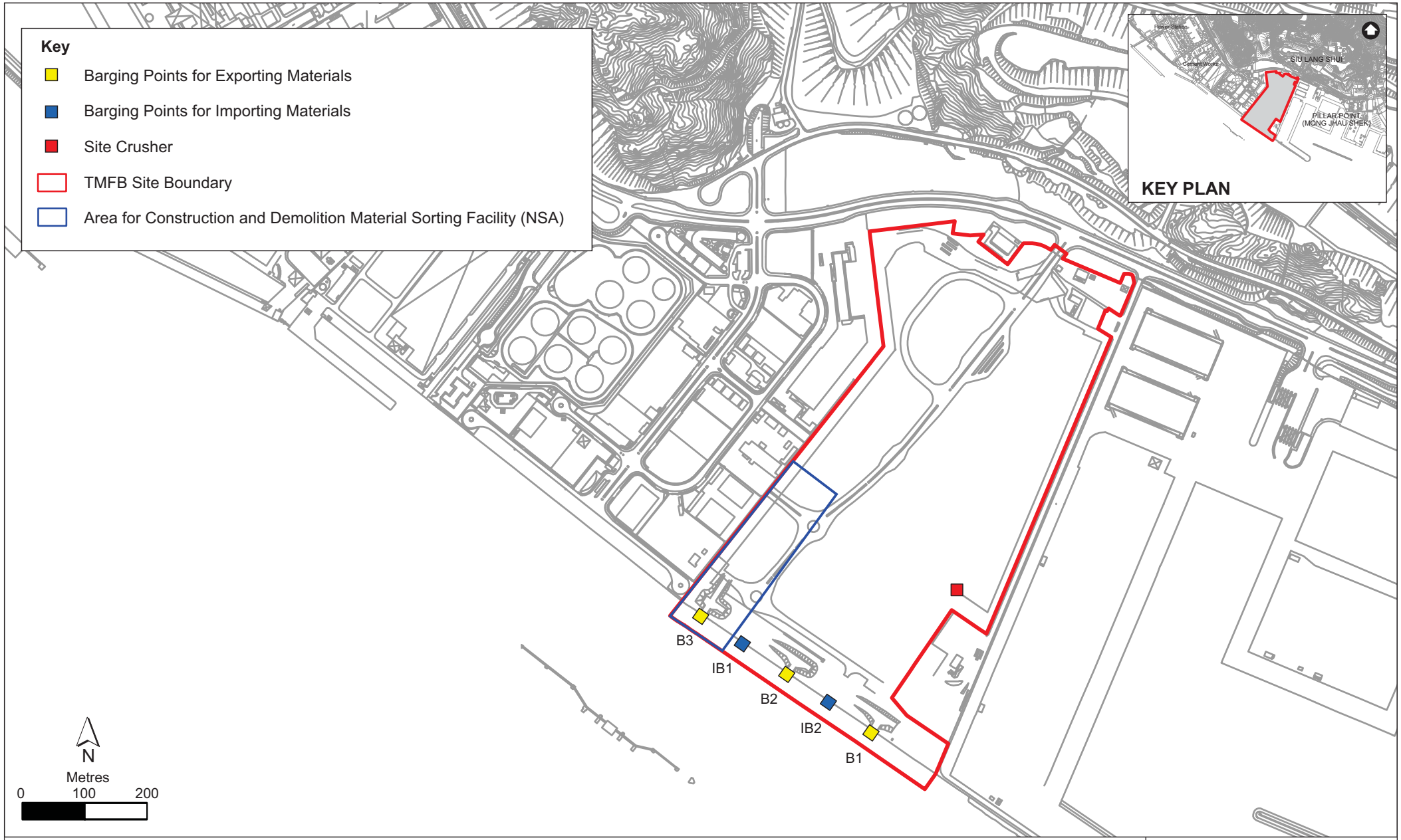

Figure 2.1

Locations of Key Facilities within Tuen Mun Fill Bank

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DATE: 04/05/2020

Environmental Resources Management

ERM

ASR	Location
A3	Eco Park Tenant: WEEE
A4	Eco Park Tenant: South China
A5	Eco Park Tenant: Chung Yue
A6	Eco Park Tenant: Ka Wah
A9	Eco Park Administration Building
A10	PAFF Office
A11	Proposed Modern Logistics Development at TM Area 49

A11
A9
A3
TM-A1
A10
A4
A6
A5
TM-A2

Legend

- TSP Monitoring Stations
- Air Sensitive Receivers
- Tuen Mun Fill Bank
- Tuen Mun Fill Bank 500m Study Area

N

Metres

0 250 500

Figure 3.1

Locations of Representative Air Sensitive Receivers and TSP Monitoring Stations

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Date: 1/6/2021

Environmental Resources Management

ERM

Legend

- ASR
- Construction & Demolition Material Sorting Facility (NSA)
- Fill Loading and Unloading Point
- Barging Points for Exporting Materials
- Barging Points for Importing Materials
- Existing C&DMSF and its Generator
- C&DMSF Barging Point
- Site Crusher
- Marine Vessel Maneuvering Route
- Haul Roads
- 5m Vertical Barrier
- Enclosed Conveyor Belt System
- Tuen Mun Fill Bank
- Tuen Mun Fill Bank 500m Study Area
- Open Area
- Stockpiling Areas

Figure 3.2

Locations of Major Emission Sources Associated with Tuen Mun Fill Bank Operation

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Date: 3/6/2021

Environmental Resources Management

ERM

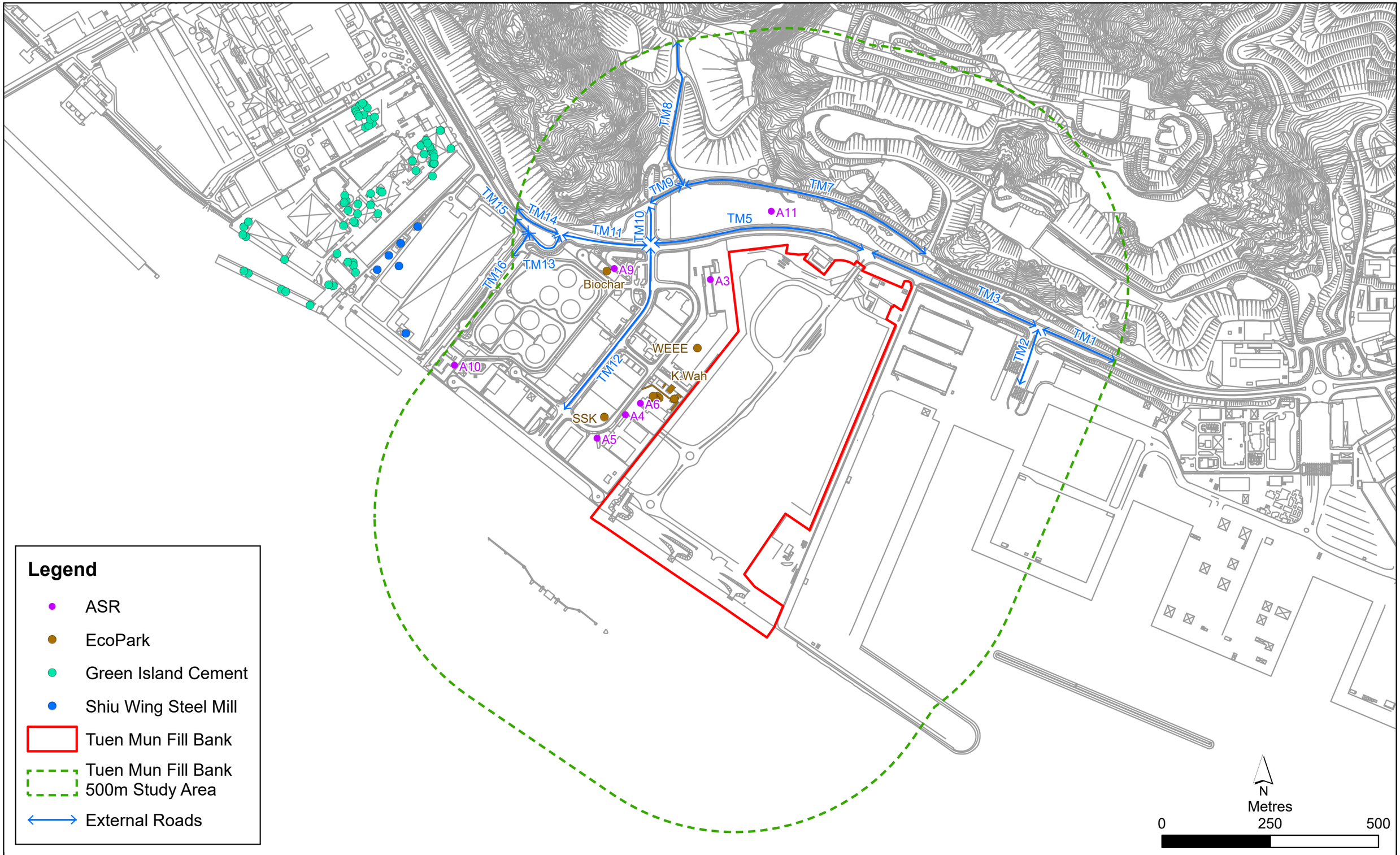

Figure 3.3

External Roads and Industrial Sources within 500m Study Area

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Date: 2/6/2021

Environmental Resources Management

ERM

Annex A

Details of Air Quality Assessment

Annex A1

Emission Inventory and Detailed Emission Rate Calculations for Sources Associated with TMFB Operation (Except Vehicular Emissions)

Annex A1 - TSP, RSP and FSP Emission Rate Calculations for Dust Emission Sources within TMFB

Item	Location	Source	Pollutant	Parameters	Value	Unit	Emission Rate				Reference
							Unmitigated	Mitigated	Unit	% Reduction (a)	
1	Stockpiling Areas (A001 and A002)	wind erosion	TSP	Emission Factor	0.85	Mg/ha/yr	2.70E-06	2.24E-07	g/m2/s	91.7	AP-42, Section 11.9 (Edition 10/98), Table 11.9-4
			RSP	Emission Factor	0.40	Mg/ha/yr	1.27E-06	1.06E-07	g/m2/s	91.7	AP-42, Section 13.2.4 (Edition 11/06)
			FSP	Emission Factor	0.06	Mg/ha/yr	1.93E-07	1.60E-08	g/m2/s	91.7	AP-42, Section 13.2.4 (Edition 11/06)
	Open Area (A003)	wind erosion	TSP	Emission Factor	0.85	Mg/ha/yr	2.70E-06	2.70E-06	g/m2/s	0	AP-42, Section 11.9 (Edition 10/98), Table 11.9-4
			RSP	Emission Factor	0.40	Mg/ha/yr	1.27E-06	1.27E-06	g/m2/s	0	AP-42, Section 13.2.4 (Edition 11/06)
			FSP	Emission Factor	0.06	Mg/ha/yr	1.93E-07	1.93E-07	g/m2/s	0	AP-42, Section 13.2.4 (Edition 11/06)
2	Stockpiling Areas (A001 and A002)	Material Handling at SP3a		Truck Capacity	14.3	tonnes/truck					Provided by CEDD
				Truck Quantity	1267	truck/day					Provided by CEDD
				working hours	10.5	hours					Provided by CEDD
			TSP	Emission Factor	2.13E-04	kg/Mg	1.02E-01	1.02E-02	g/s	90	AP-42, Section 13.2.4 (Edition 11/06)
			RSP	Emission Factor	1.01E-04	kg/Mg	4.84E-02	4.84E-03	g/s	90	AP-42, Section 13.2.4 (Edition 11/06)
			FSP	Emission Factor	1.53E-05	kg/Mg	7.33E-03	7.33E-04	g/s	90	AP-42, Section 13.2.4 (Edition 11/06)
		Material Handling at SP3b (daytime)		Truck Capacity	14.3	tonnes/truck					Provided by CEDD
				Truck Quantity	1056	truck/day					Provided by CEDD
				working hours	16	hours					Provided by CEDD
			TSP	Emission Factor	2.13E-04	kg/Mg	5.59E-02	5.59E-03	g/s	90	AP-42, Section 13.2.4 (Edition 11/06)
			RSP	Emission Factor	1.01E-04	kg/Mg	2.65E-02	2.65E-03	g/s	90	AP-42, Section 13.2.4 (Edition 11/06)
			FSP	Emission Factor	1.53E-05	kg/Mg	4.01E-03	4.01E-04	g/s	90	AP-42, Section 13.2.4 (Edition 11/06)
		Material Handling at SP3b (nighttime)		Truck Capacity	14.3	tonnes/truck					Provided by CEDD
				Truck Quantity	528	truck/night					Provided by CEDD
				working hours	8	hours					Provided by CEDD
			TSP	Emission Factor	2.13E-04	kg/Mg	5.59E-02	5.59E-03	g/s	90	AP-42, Section 13.2.4 (Edition 11/06)
			RSP	Emission Factor	1.01E-04	kg/Mg	2.65E-02	2.65E-03	g/s	90	AP-42, Section 13.2.4 (Edition 11/06)
			FSP	Emission Factor	1.53E-05	kg/Mg	4.01E-03	4.01E-04	g/s	90	AP-42, Section 13.2.4 (Edition 11/06)
		Material Handling at SP3d (daytime)		Truck Capacity	14.3	tonnes/truck					Provided by CEDD
				Truck Quantity	640	truck/day					Provided by CEDD
				working hours	16	hours					Provided by CEDD
			TSP	Emission Factor	2.13E-04	kg/Mg	3.39E-02	3.39E-03	g/s	90	AP-42, Section 13.2.4 (Edition 11/06)
			RSP	Emission Factor	1.01E-04	kg/Mg	1.60E-02	1.60E-03	g/s	90	AP-42, Section 13.2.4 (Edition 11/06)
			FSP	Emission Factor	1.53E-05	kg/Mg	2.43E-03	2.43E-04	g/s	90	AP-42, Section 13.2.4 (Edition 11/06)
		Material Handling at SP3d (nighttime)		Truck Capacity	14.3	tonnes/truck					Provided by CEDD
				Truck Quantity	320	truck/night					Provided by CEDD
				working hours	8	hours					Provided by CEDD
			TSP	Emission Factor	2.13E-04	kg/Mg	3.39E-02	3.39E-03	g/s	90	AP-42, Section 13.2.4 (Edition 11/06)
			RSP	Emission Factor	1.01E-04	kg/Mg	1.60E-02	1.60E-03	g/s	90	AP-42, Section 13.2.4 (Edition 11/06)
			FSP	Emission Factor	1.53E-05	kg/Mg	2.43E-03	2.43E-04	g/s	90	AP-42, Section 13.2.4 (Edition 11/06)
		Material Handling at SP3c		Truck Capacity	14.3	tonnes/truck					Provided by CEDD
				Truck Quantity	11	truck/day					Provided by CEDD
				working hours	10.5	hours					Provided by CEDD
			TSP	Emission Factor	2.13E-04	kg/Mg	8.88E-04	8.88E-05	g/s	90	AP-42, Section 13.2.4 (Edition 11/06)
			RSP	Emission Factor	1.01E-04	kg/Mg	4.20E-04	4.20E-05	g/s	90	AP-42, Section 13.2.4 (Edition 11/06)
			FSP	Emission Factor	1.53E-05	kg/Mg	6.36E-05	6.36E-06	g/s	90	AP-42, Section 13.2.4 (Edition 11/06)

Emission factor = k(0.0016)(U/2.2)1.3/(M/2)1.4

Aerodynamic Particle Size Multiplier (k)				
< 30 µm	< 15 µm	< 10 µm	< 5 µm	< 2.5 µm
0.74	0.48	0.35	0.2	0.053

AP-42, Section 13.2.4 (Edition 11/06)

U = 4.237 m/s Note (a)

M = 12.5 % Note (b)

(a) Wind data from PATH-2016 (Grid 16,38)

(b) Measured averaged moisture content from 2013 TMFB ERR

Emission factor for paved road: E (g/vkt) = k ((sL)^0.91)*((W)^1.02)

Aerodynamic Particle Size Multiplier (k) - g/vkt			
< 30 µm	< 15 µm	< 10 µm	< 2.5 µm
3.23	0.77	0.62	0.15

AP-42 Section 13.2.1 (Edition 1/11)

sL = 2.4 g/m2 Note (c)

W = 25.1 US ton Note (d)

(c) Surface silt loading for quarry with reference to 2013 TMFB ERR

(d) Mean vehicle weight.
Loaded truck is 30MT; Unloaded truck is 15.7MT.

Annex A1 - TSP, RSP and FSP Emission Rate Calculations for Dust Emission Sources within TMFB

Item	Location	Source	Pollutant	Parameters	Value	Unit	Emission Rate				Reference
							Unmitigated	Mitigated	Unit	% Reduction (a)	
		Material Handling at SP3e		Handling rate	50	tonnes/hour					Provided by CEDD
			TSP	Emission Factor	2.13E-04	kg/Mg	2.96E-03	2.96E-04	g/s	90	AP-42, Section 13.2.4 (Edition 11/06)
			RSP	Emission Factor	1.01E-04	kg/Mg	1.40E-03	1.40E-04	g/s	90	AP-42, Section 13.2.4 (Edition 11/06)
			FSP	Emission Factor	1.53E-05	kg/Mg	2.12E-04	2.12E-05	g/s	90	AP-42, Section 13.2.4 (Edition 11/06)
		Material Handling at SP3f		Handling rate	50	tonnes/hour					Provided by CEDD
			TSP	Emission Factor	2.13E-04	kg/Mg	2.96E-03	2.96E-04	g/s	90	AP-42, Section 13.2.4 (Edition 11/06)
			RSP	Emission Factor	1.01E-04	kg/Mg	1.40E-03	1.40E-04	g/s	90	AP-42, Section 13.2.4 (Edition 11/06)
			FSP	Emission Factor	1.53E-05	kg/Mg	2.12E-04	2.12E-05	g/s	90	AP-42, Section 13.2.4 (Edition 11/06)
		Material Handling at SP3g		Truck Capacity	14.3	tonnes/truck					Provided by CEDD
				Truck Quantity	2281	truck/day					Provided by CEDD
				working hours	10.5	hours					Provided by CEDD
			TSP	Emission Factor	2.13E-04	kg/Mg	1.84E-01	1.84E-02	g/s	90	AP-42, Section 13.2.4 (Edition 11/06)
			RSP	Emission Factor	1.01E-04	kg/Mg	8.71E-02	8.71E-03	g/s	90	AP-42, Section 13.2.4 (Edition 11/06)
			FSP	Emission Factor	1.53E-05	kg/Mg	1.32E-02	1.32E-03	g/s	90	AP-42, Section 13.2.4 (Edition 11/06)
		Material Handling at SP3h		Truck Capacity	14.3	tonnes/truck					Provided by CEDD
				Truck Quantity	2281	truck/day					Provided by CEDD
				working hours	16	hours					Provided by CEDD
			TSP	Emission Factor	2.13E-04	kg/Mg	1.21E-01	1.21E-02	g/s	90	AP-42, Section 13.2.4 (Edition 11/06)
			RSP	Emission Factor	1.01E-04	kg/Mg	5.71E-02	5.71E-03	g/s	90	AP-42, Section 13.2.4 (Edition 11/06)
			FSP	Emission Factor	1.53E-05	kg/Mg	8.65E-03	8.65E-04	g/s	90	AP-42, Section 13.2.4 (Edition 11/06)
3	C&DMSF	Material handling and screening at C&DMSF		Handling Capacity	700	tonnes/day					Provided by CEDD
				working hours	12	hours					Provided by CEDD
				Emission Factor (screening)	1.10E-03	kg/Mg	1.78E-02	1.78E-02	g/s	0	AP-42, Table 11.19.2-1, Screening (controlled)
				Emission Factor (handling)	2.13E-04	kg/Mg	3.46E-03	3.46E-04	g/s	90	AP-42, Section 13.2.4 (Edition 11/06)
				Emission Factor (screening)	3.70E-04	kg/Mg	6.00E-03	6.00E-03	g/s	0	AP-42, Table 11.19.2-1, Screening (controlled)
				Emission Factor (handling)	1.01E-04	kg/Mg	1.64E-03	1.64E-04	g/s	90	AP-42, Section 13.2.4 (Edition 11/06)
				Emission Factor (screening)	2.50E-05	kg/Mg	4.05E-04	4.05E-04	g/s	0	AP-42, Table 11.19.2-1, Screening (controlled)
				Emission Factor (handling)	1.53E-05	kg/Mg	2.48E-04	2.48E-05	g/s	90	AP-42, Section 13.2.4 (Edition 11/06)
4	C&DMSF (NSA)	Material handling and screening at NSA (daytime)		Handling Capacity	9152	tonnes/day					Provided by CEDD
				working hours	16	hours					Provided by CEDD
			TSP	Emission Factor (screening)	1.10E-03	kg/Mg	1.75E-01	1.75E-01	g/s	0	AP-42, Table 11.19.2-1, Screening (controlled)
				Emission Factor (handling)	2.13E-04	kg/Mg	3.39E-02	3.39E-03	g/s	90	AP-42, Section 13.2.4 (Edition 11/06)
			RSP	Emission Factor (screening)	3.70E-04	kg/Mg	5.88E-02	5.88E-02	g/s	0	AP-42, Table 11.19.2-1, Screening (controlled)
				Emission Factor (handling)	1.01E-04	kg/Mg	1.60E-02	1.60E-03	g/s	90	AP-42, Section 13.2.4 (Edition 11/06)
			FSP	Emission Factor (screening)	2.50E-05	kg/Mg	3.97E-03	3.97E-03	g/s	0	AP-42, Table 11.19.2-1, Screening (controlled)
				Emission Factor (handling)	1.53E-05	kg/Mg	2.43E-03	2.43E-04	g/s	90	AP-42, Section 13.2.4 (Edition 11/06)
		Material handling and screening at NSA (nighttime)		Handling Capacity	4576	tonnes/night					Provided by CEDD
				working hours	8	hours					Provided by CEDD
			TSP	Emission Factor (screening)	1.10E-03	kg/Mg	1.75E-01	1.75E-01	g/s	0	AP-42, Table 11.19.2-1, Screening (controlled)
				Emission Factor (handling)	2.13E-04	kg/Mg	3.39E-02	3.39E-03	g/s	90	AP-42, Section 13.2.4 (Edition 11/06)
			RSP	Emission Factor (screening)	3.70E-04	kg/Mg	5.88E-02	5.88E-02	g/s	0	AP-42, Table 11.19.2-1, Screening (controlled)
				Emission Factor (handling)	1.01E-04	kg/Mg	1.60E-02	1.60E-03	g/s	90	AP-42, Section 13.2.4 (Edition 11/06)
			FSP	Emission Factor (screening)	2.50E-05	kg/Mg	3.97E-03	3.97E-03	g/s	0	AP-42, Table 11.19.2-1, Screening (controlled)
				Emission Factor (handling)	1.53E-05	kg/Mg	2.43E-03	2.43E-04	g/s	90	AP-42, Section 13.2.4 (Edition 11/06)
5	C&DMCF	Material handling and crushing		Handling Capacity	100	tonnes/hour					Provided by CEDD
			TSP	Emission Factor (crushing)	6.00E-04	kg/Mg	1.67E-02	1.67E-02	g/s	0	AP-42, Table 11.19.2-1, Tertiary Crushing (controlled)
				Emission Factor (handling)	2.13E-04	kg/Mg	5.93E-03	5.93E-04	g/s	90	AP-42, Section 13.2.4 (Edition 11/06)
			RSP	Emission Factor (crushing)	2.70E-04	kg/Mg	7.50E-03	7.50E-03	g/s	0	AP-42, Table 11.19.2-1, Tertiary Crushing (controlled)
				Emission Factor (handling)	1.01E-04	kg/Mg	2.80E-03	2.80E-04	g/s	90	AP-42, Section 13.2.4 (Edition 11/06)
			FSP	Emission Factor (crushing)	5.00E-05	kg/Mg	1.39E-03	1.39E-03	g/s	0	AP-42, Table 11.19.2-1, Tertiary Crushing (controlled)
				Emission Factor (handling)	1.53E-05	kg/Mg	4.25E-04	4.25E-05	g/s	90	AP-42, Section 13.2.4 (Edition 11/06)

Annex A1 - TSP, RSP and FSP Emission Rate Calculations for Dust Emission Sources within TMFB

Item	Location	Source	Pollutant	Parameters	Value	Unit	Emission Rate				Reference
							Unmitigated	Mitigated	Unit	% Reduction (a)	
6	Barging points for importing materials	Material handling at IB1, IB2		Handling rate (per location)	2000	tonnes/day					Provided by CEDD
				working hours	16	hours					Provided by CEDD
			TSP	Emission Factor	2.13E-04	kg/Mg	7.41E-03	7.41E-04	g/s	90	AP-42, Section 13.2.4 (Edition 11/06)
			RSP	Emission Factor	1.01E-04	kg/Mg	3.50E-03	3.50E-04	g/s	90	AP-42, Section 13.2.4 (Edition 11/06)
			FSP	Emission Factor	1.53E-05	kg/Mg	5.31E-04	5.31E-05	g/s	90	AP-42, Section 13.2.4 (Edition 11/06)
7	Barging points for exporting materials	Material handling at B1, B2 (daytime)		Handling rate (per location)	8300	tonnes/day					Provided by CEDD
				working hours	16	hours					Provided by CEDD
			TSP	Emission Factor	2.13E-04	kg/Mg	3.07E-02	3.07E-03	g/s	90	AP-42, Section 13.2.4 (Edition 11/06)
			RSP	Emission Factor	1.01E-04	kg/Mg	1.45E-02	1.45E-03	g/s	90	AP-42, Section 13.2.4 (Edition 11/06)
			FSP	Emission Factor	1.53E-05	kg/Mg	2.20E-03	2.20E-04	g/s	90	AP-42, Section 13.2.4 (Edition 11/06)
		Material handling at B1, B2 (nighttime)		Handling rate (per location)	3750	tonnes/night					Provided by CEDD
				working hours	8	hours					Provided by CEDD
			TSP	Emission Factor	2.13E-04	kg/Mg	2.78E-02	2.78E-03	g/s	90	AP-42, Section 13.2.4 (Edition 11/06)
			RSP	Emission Factor	1.01E-04	kg/Mg	1.31E-02	1.31E-03	g/s	90	AP-42, Section 13.2.4 (Edition 11/06)
			FSP	Emission Factor	1.53E-05	kg/Mg	1.99E-03	1.99E-04	g/s	90	AP-42, Section 13.2.4 (Edition 11/06)
		Material handling at B3 (daytime)		Handling rate (per location)	9152	tonnes/day					Provided by CEDD
				working hours	16	hours					Provided by CEDD
			TSP	Emission Factor	2.13E-04	kg/Mg	3.39E-02	3.39E-03	g/s	90	AP-42, Section 13.2.4 (Edition 11/06)
			RSP	Emission Factor	1.01E-04	kg/Mg	1.60E-02	1.60E-03	g/s	90	AP-42, Section 13.2.4 (Edition 11/06)
			FSP	Emission Factor	1.53E-05	kg/Mg	2.43E-03	2.43E-04	g/s	90	AP-42, Section 13.2.4 (Edition 11/06)
		Material handling at B3 (nighttime)		Handling rate (per location)	4576	tonnes/night					Provided by CEDD
				working hours	8	hours					Provided by CEDD
			TSP	Emission Factor	2.13E-04	kg/Mg	3.39E-02	3.39E-03	g/s	90	AP-42, Section 13.2.4 (Edition 11/06)
			RSP	Emission Factor	1.01E-04	kg/Mg	1.60E-02	1.60E-03	g/s	90	AP-42, Section 13.2.4 (Edition 11/06)
			FSP	Emission Factor	1.53E-05	kg/Mg	2.43E-03	2.43E-04	g/s	90	AP-42, Section 13.2.4 (Edition 11/06)
8	Truck movement haul roads	R1, R2, R3, R4, R5		Truck Quantity	2556	truck/day					Provided by CEDD
				working hours	10.5	hours					Provided by CEDD
			TSP	Emission Factor	192.078705	g/vkt	1.30E-02	1.08E-03	g/m/s	91.7	AP42 Section 13.2.1 (Edition 1/11)
			RSP	Emission Factor	36.8695967	g/vkt	2.49E-03	2.07E-04	g/m/s	91.7	AP42 Section 13.2.1 (Edition 1/11)
			FSP	Emission Factor	8.92006371	g/vkt	6.03E-04	5.01E-05	g/m/s	91.7	AP42 Section 13.2.1 (Edition 1/11)
		R6		Truck Quantity	285	truck/day					Provided by CEDD
				working hours	10.5	hours					Provided by CEDD
			TSP	Emission Factor	192.078705	g/vkt	1.45E-03	1.20E-04	g/m/s	91.7	AP42 Section 13.2.1 (Edition 1/11)
			RSP	Emission Factor	36.8695967	g/vkt	2.78E-04	2.31E-05	g/m/s	91.7	AP42 Section 13.2.1 (Edition 1/11)
			FSP	Emission Factor	8.92006371	g/vkt	6.73E-05	5.58E-06	g/m/s	91.7	AP42 Section 13.2.1 (Edition 1/11)
		R7		Truck Quantity	263	truck/day					Provided by CEDD
				working hours	10.5	hours					Provided by CEDD
			TSP	Emission Factor	192.078705	g/vkt	1.34E-03	1.11E-04	g/m/s	91.7	AP42 Section 13.2.1 (Edition 1/11)
			RSP	Emission Factor	36.8695967	g/vkt	2.57E-04	2.13E-05	g/m/s	91.7	AP42 Section 13.2.1 (Edition 1/11)
			FSP	Emission Factor	8.92006371	g/vkt	6.21E-05	5.15E-06	g/m/s	91.7	AP42 Section 13.2.1 (Edition 1/11)
		R9		Truck Quantity	22	truck/day					Provided by CEDD
				working hours	10.5	hours					Provided by CEDD
			TSP	Emission Factor	192.078705	g/vkt	1.12E-04	9.28E-06	g/m/s	91.7	AP42 Section 13.2.1 (Edition 1/11)
			RSP	Emission Factor	36.8695967	g/vkt	2.15E-05	1.78E-06	g/m/s	91.7	AP42 Section 13.2.1 (Edition 1/11)
			FSP	Emission Factor	8.92006371	g/vkt	5.19E-06	4.31E-07	g/m/s	91.7	AP42 Section 13.2.1 (Edition 1/11)
		R10		Truck Quantity	2271	truck/day					Provided by CEDD
				working hours	10.5	hours					Provided by CEDD
			TSP	Emission Factor	192.078705	g/vkt	1.15E-02	9.58E-04	g/m/s	91.7	AP42 Section 13.2.1 (Edition 1/11)
			RSP	Emission Factor	36.8695967	g/vkt	2.22E-03	1.84E-04	g/m/s	91.7	AP42 Section 13.2.1 (Edition 1/11)
			FSP	Emission Factor	8.92006371	g/vkt	5.36E-04	4.45E-05	g/m/s	91.7	AP42 Section 13.2.1 (Edition 1/11)

Annex A1 - TSP, RSP and FSP Emission Rate Calculations for Dust Emission Sources within TMFB

Item	Location	Source	Pollutant	Parameters	Value	Unit	Emission Rate				Reference
							Unmitigated	Mitigated	Unit	% Reduction (a)	
		R11 (daytime)		Truck Quantity	1280	truck/day					Provided by CEDD
				working hours	16	hours					Provided by CEDD
			TSP	Emission Factor	192.078705	g/vkt	4.27E-03	3.54E-04	g/m/s	91.7	AP42 Section 13.2.1 (Edition 1/11)
			RSP	Emission Factor	36.8695967	g/vkt	8.19E-04	6.80E-05	g/m/s	91.7	AP42 Section 13.2.1 (Edition 1/11)
			FSP	Emission Factor	8.92006371	g/vkt	1.98E-04	1.65E-05	g/m/s	91.7	AP42 Section 13.2.1 (Edition 1/11)
		R11 (nighttime)		Truck Quantity	640	truck/day					Provided by CEDD
				working hours	8	hours					Provided by CEDD
			TSP	Emission Factor	192.078705	g/vkt	4.27E-03	3.54E-04	g/m/s	91.7	AP42 Section 13.2.1 (Edition 1/11)
			RSP	Emission Factor	36.8695967	g/vkt	8.19E-04	6.80E-05	g/m/s	91.7	AP42 Section 13.2.1 (Edition 1/11)
			FSP	Emission Factor	8.92006371	g/vkt	1.98E-04	1.65E-05	g/m/s	91.7	AP42 Section 13.2.1 (Edition 1/11)
		R12		Truck Quantity	2271	truck/day					Provided by CEDD
				working hours	16	hours					Provided by CEDD
			TSP	Emission Factor	192.078705	g/vkt	7.57E-03	6.29E-04	g/m/s	91.7	AP42 Section 13.2.1 (Edition 1/11)
			RSP	Emission Factor	36.8695967	g/vkt	1.45E-03	1.21E-04	g/m/s	91.7	AP42 Section 13.2.1 (Edition 1/11)
			FSP	Emission Factor	8.92006371	g/vkt	3.52E-04	2.92E-05	g/m/s	91.7	AP42 Section 13.2.1 (Edition 1/11)
		R13		Truck Quantity	2399	truck/day					Provided by CEDD
				working hours	16	hours					Provided by CEDD
			TSP	Emission Factor	192.078705	g/vkt	8.00E-03	6.64E-04	g/m/s	91.7	AP42 Section 13.2.1 (Edition 1/11)
			RSP	Emission Factor	36.8695967	g/vkt	1.54E-03	1.27E-04	g/m/s	91.7	AP42 Section 13.2.1 (Edition 1/11)
			FSP	Emission Factor	8.92006371	g/vkt	3.72E-04	3.08E-05	g/m/s	91.7	AP42 Section 13.2.1 (Edition 1/11)
		R14, R15, R17 (daytime)		Truck Quantity	1184	truck/day					Provided by CEDD
				working hours	16	hours					Provided by CEDD
			TSP	Emission Factor	192.078705	g/vkt	3.95E-03	3.28E-04	g/m/s	91.7	AP42 Section 13.2.1 (Edition 1/11)
			RSP	Emission Factor	36.8695967	g/vkt	7.58E-04	6.29E-05	g/m/s	91.7	AP42 Section 13.2.1 (Edition 1/11)
			FSP	Emission Factor	8.92006371	g/vkt	1.83E-04	1.52E-05	g/m/s	91.7	AP42 Section 13.2.1 (Edition 1/11)
		R14, R15, R17 (nighttime)		Truck Quantity	528	truck/night					Provided by CEDD
				working hours	8	hours					Provided by CEDD
			TSP	Emission Factor	192.078705	g/vkt	3.52E-03	2.92E-04	g/m/s	91.7	AP42 Section 13.2.1 (Edition 1/11)
			RSP	Emission Factor	36.8695967	g/vkt	6.76E-04	5.61E-05	g/m/s	91.7	AP42 Section 13.2.1 (Edition 1/11)
			FSP	Emission Factor	8.92006371	g/vkt	1.64E-04	1.36E-05	g/m/s	91.7	AP42 Section 13.2.1 (Edition 1/11)
		R19		Truck Quantity	2655	truck/day					Provided by CEDD
				working hours	16	hours					Provided by CEDD
			TSP	Emission Factor	192.078705	g/vkt	8.85E-03	7.35E-04	g/m/s	91.7	AP42 Section 13.2.1 (Edition 1/11)
			RSP	Emission Factor	36.8695967	g/vkt	1.70E-03	1.41E-04	g/m/s	91.7	AP42 Section 13.2.1 (Edition 1/11)
			FSP	Emission Factor	8.92006371	g/vkt	4.11E-04	3.41E-05	g/m/s	91.7	AP42 Section 13.2.1 (Edition 1/11)
		R20		Truck Quantity	128	truck/day					Provided by CEDD
				working hours	16	hours					Provided by CEDD
			TSP	Emission Factor	192.078705	g/vkt	4.27E-04	3.54E-05	g/m/s	91.7	AP42 Section 13.2.1 (Edition 1/11)
			RSP	Emission Factor	36.8695967	g/vkt	8.19E-05	6.80E-06	g/m/s	91.7	AP42 Section 13.2.1 (Edition 1/11)
			FSP	Emission Factor	8.92006371	g/vkt	1.98E-05	1.65E-06	g/m/s	91.7	AP42 Section 13.2.1 (Edition 1/11)
		R21 (daytime)		Truck Quantity	4383	truck/day					Provided by CEDD
				working hours	16	hours					Provided by CEDD
			TSP	Emission Factor	192.078705	g/vkt	1.46E-02	1.21E-03	g/m/s	91.7	AP42 Section 13.2.1 (Edition 1/11)
			RSP	Emission Factor	36.8695967	g/vkt	2.81E-03	2.33E-04	g/m/s	91.7	AP42 Section 13.2.1 (Edition 1/11)
			FSP	Emission Factor	8.92006371	g/vkt	6.79E-04	5.63E-05	g/m/s	91.7	AP42 Section 13.2.1 (Edition 1/11)
		R21 (nighttime)		Truck Quantity	1056	truck/day					Provided by CEDD
				working hours	8	hours					Provided by CEDD
			TSP	Emission Factor	192.078705	g/vkt	7.04E-03	5.85E-04	g/m/s	91.7	AP42 Section 13.2.1 (Edition 1/11)
			RSP	Emission Factor	36.8695967	g/vkt	1.35E-03	1.12E-04	g/m/s	91.7	AP42 Section 13.2.1 (Edition 1/11)
			FSP	Emission Factor	8.92006371	g/vkt	3.27E-04	2.71E-05	g/m/s	91.7	AP42 Section 13.2.1 (Edition 1/11)

Annex A1 - TSP, RSP and FSP Emission Rate Calculations for Dust Emission Sources within TMFB

Item	Location	Source	Pollutant	Parameters	Value	Unit	Emission Rate				Reference
							Unmitigated	Mitigated	Unit	% Reduction (a)	
		R22 (daytime)		Truck Quantity	2368	truck/day					Provided by CEDD
				working hours	16	hours					Provided by CEDD
			TSP	Emission Factor	192.078705	g/vkt	7.90E-03	6.55E-04	g/m/s	91.7	AP42 Section 13.2.1 (Edition 1/11)
			RSP	Emission Factor	36.8695967	g/vkt	1.52E-03	1.26E-04	g/m/s	91.7	AP42 Section 13.2.1 (Edition 1/11)
			FSP	Emission Factor	8.92006371	g/vkt	3.67E-04	3.04E-05	g/m/s	91.7	AP42 Section 13.2.1 (Edition 1/11)
		R22 (nighttime)		Truck Quantity	1056	truck/day					Provided by CEDD
				working hours	8	hours					Provided by CEDD
			TSP	Emission Factor	192.078705	g/vkt	7.04E-03	5.85E-04	g/m/s	91.7	AP42 Section 13.2.1 (Edition 1/11)
			RSP	Emission Factor	36.8695967	g/vkt	1.35E-03	1.12E-04	g/m/s	91.7	AP42 Section 13.2.1 (Edition 1/11)
			FSP	Emission Factor	8.92006371	g/vkt	3.27E-04	2.71E-05	g/m/s	91.7	AP42 Section 13.2.1 (Edition 1/11)
		R25, R26, R27, R28		Truck Quantity	204	truck/day					Provided by CEDD
				working hours	12	hours					Provided by CEDD
			TSP	Emission Factor	192.078705	g/vkt	9.07E-04	7.53E-05	g/m/s	91.7	AP42 Section 13.2.1 (Edition 1/11)
			RSP	Emission Factor	36.8695967	g/vkt	1.74E-04	1.45E-05	g/m/s	91.7	AP42 Section 13.2.1 (Edition 1/11)
			FSP	Emission Factor	8.92006371	g/vkt	4.21E-05	3.50E-06	g/m/s	91.7	AP42 Section 13.2.1 (Edition 1/11)

Note:

(a) Watering once every hour during working hours. It is assumed that 91.7% dust suppression efficiency can be achieved by watering frequency of once every hour for dust emissions from wind erosion and haul roads with reference to USEPA's Control of Open Fugitive Dust Sources (EPA-450/3-98-008).

C = 100 - 0.8pdt / i
= 100 - 0.8 x 0.2368 x 155 x 1 / 3.54 = 91.7%

where:

C = percentage of efficiency, %

p = potential average hourly daytime evaporation rate, mm/hr = 0.0049 x 48.32 inches = 0.2368
Evaporation recorded at King's Park between 1981 to 2010 is 1227.3mm (48.32 inches). (http://www.hko.gov.hk/cis/monthlyElement_e.htm?ele=EVAPO)

d = average hourly daytime traffic rate, in vehicles per hour = 155

t = time between application of watering, hr = 1 (i.e. once every hour)

i = application intensity, L/m2 = 3.54

(b) Application of water at material handling (loading and unloading) locations can reduce dust emissions by 90% with reference to AP-42, 5th Edition, Vol 1, Chapter 11 (Mineral Products Industry), Section 11.19.1.2 (Emissions and Controls).

Annex A1 - TSP, RSP and FSP Emission Inventory for Dust Emission Sources within TMFB

Source ID	Description	Source Type	Coordinates		Dimension/ Coordinates		Base Elevation	Height	Angle/ Width	Working Hour [(a)]	TSP Emission Rate		RSP Emission Rate		FSP Emission Rate	
			X1	Y1	X2	Y2					Working Hours	Non-working Hours / Nighttime Working Hours	Working Hours	Non-working Hours / Nighttime Working Hours	Working Hours	Non-working Hours / Nighttime Working Hours
			m	m	m	m	m	m	deg / m		g/m2/s	g/m2/s	g/m2/s	g/m2/s	g/m2/s	g/m2/s
A001	Wind erosion	Polygon Area	811137.1	825442.7			5	15		0800-1900	2.24E-07	2.70E-06	1.06E-07	1.27E-06	1.60E-08	1.93E-07
			811209.5	825399.6												
			811114.9	825205.4												
			811229.2	825137.3												
			811193.3	825059.9												
			811075.5	824890.2												
			810815.3	825064.7												
			810945.7	825233.7												
A002	Wind erosion	Polygon Area	811207.0	825494.2			5	15		0800-1900	2.24E-07	2.70E-06	1.06E-07	1.27E-06	1.60E-08	1.93E-07
			811361.5	825422.1												
			811229.2	825137.3												
			811114.9	825205.4												
			811209.5	825399.6												
			811137.1	825442.7												
A003	Wind erosion	Area	811092.5	824888.4	78.6	169.5	5	0.5	33.45	24 hours	2.70E-06	2.70E-06	1.27E-06	1.27E-06	1.93E-07	1.93E-07
SP3a	Material Handling	Area	811124.1	825145.4	10	10	5	20	0	0830-1900	1.02E-04	0.00E+00	4.84E-05	0.00E+00	7.33E-06	0.00E+00
SP3b	Material Handling	Area	811106.2	825145.0	10	10	5	20	0	0700-2300 (daytime) 2300-0700 (nighttime)	5.59E-05	5.59E-05	2.65E-05	2.65E-05	4.01E-06	4.01E-06
SP3c	Material Handling	Area	811232.8	825217.3	10	10	5	25	0	0830-1900	8.88E-07	0.00E+00	4.20E-07	0.00E+00	6.36E-08	0.00E+00
SP3d	Material Handling	Area	810991.5	825201.1	10	10	5	5	0	0700-2300 (daytime) 2300-0700 (nighttime)	3.39E-05	3.39E-05	1.60E-05	1.60E-05	2.43E-06	2.43E-06
SP3e	Material Handling	Area	811248.3	825188.4	10	10	5	10	0	0700-2300	2.96E-06	0.00E+00	1.40E-06	0.00E+00	2.12E-07	0.00E+00
SP3f	Material Handling	Area	811070.1	824975.1	10	10	5	10	0	0700-2300	2.96E-06	0.00E+00	1.40E-06	0.00E+00	2.12E-07	0.00E+00
SP3g	Material Handling	Area	811336.3	825384.3	10	10	5	15	0	0830-1900	1.84E-04	0.00E+00	8.71E-05	0.00E+00	1.32E-05	0.00E+00
SP3h	Material Handling	Area	811336.3	825377.0	10	10	5	5	0	0700-2300	1.21E-04	0.00E+00	5.71E-05	0.00E+00	8.65E-06	0.00E+00
C&DMSF_S	Material Screening	Area	811165.8	824903.1	10	10	5	5	0	0800-2000	1.78E-04	0.00E+00	6.00E-05	0.00E+00	4.05E-06	0.00E+00
C&DMSF_H	Material Handling	Area	811165.8	824903.1	10	10	5	0.5	0	0800-2000	3.46E-06	0.00E+00	1.64E-06	0.00E+00	2.48E-07	0.00E+00
NSA_S	Material Screening	Area	810860.3	825087.9	10	10	5	5	0	0700-2300 (daytime) 2300-0700 (nighttime)	1.75E-03	1.75E-03	5.88E-04	5.88E-04	3.97E-05	3.97E-05
NSA_H	Material Handling	Area	810860.3	825087.9	10	10	5	0.5	0	0700-2300 (daytime) 2300-0700 (nighttime)	3.39E-05	3.39E-05	1.60E-05	1.60E-05	2.43E-06	2.43E-06
C&DMCF_C	Material Crushing	Area	811182.4	825055.1	10	10	5	10	90	0700-2300	1.67E-04	0.00E+00	7.50E-05	0.00E+00	1.39E-05	0.00E+00
C&DMCF_H	Material Handling	Area	811182.4	825055.1	10	10	5	10	90	0700-2300	5.93E-06	0.00E+00	2.80E-06	0.00E+00	4.25E-07	0.00E+00
IB1	Material Handling	Area	810853.6	824979.3	10	10	5	0.5	124.37	0700-2300	7.41E-06	0.00E+00	3.50E-06	0.00E+00	5.31E-07	0.00E+00
IB2	Material Handling	Area	810989.7	824887.2	10	10	5	0.5	124.37	0700-2300	7.41E-06	0.00E+00	3.50E-06	0.00E+00	5.31E-07	0.00E+00

Annex A1 - TSP, RSP and FSP Emission Inventory for Dust Emission Sources within TMFB

Source ID	Description	Source Type	Coordinates		Dimension/ Coordinates		Base Elevation	Height	Angle/ Width	Working Hour [(a)]	TSP Emission Rate		RSP Emission Rate		FSP Emission Rate	
			X1	Y1	X2	Y2					Working Hours	Non-working Hours / Nighttime Working Hours	Working Hours	Non-working Hours / Nighttime Working Hours	Working Hours	Non-working Hours / Nighttime Working Hours
			m	m	m	m	m	m	deg / m		g/m2/s	g/m2/s	g/m2/s	g/m2/s	g/m2/s	g/m2/s
B1	Material Handling	Area	811057.5	824841.8	10	10	5	0.5	124.37	0700-2300 (daytime) 2300-0700 (nighttime)	3.07E-05	2.78E-05	1.45E-05	1.31E-05	2.20E-06	1.99E-06
B2	Material Handling	Area	810921.9	824932.6	10	10	5	0.5	124.37	0700-2300 (daytime) 2300-0700 (nighttime)	3.07E-05	2.78E-05	1.45E-05	1.31E-05	2.20E-06	1.99E-06
B3	Material Handling	Area	810785.3	825025.9	10	10	5	0.5	124.37	0700-2300 (daytime) 2300-0700 (nighttime)	3.39E-05	3.39E-05	1.60E-05	1.60E-05	2.43E-06	2.43E-06
R1	Road dust	Area	811291.1	825571.1	8	67.67	5	0.5	65	0830-1900	1.35E-04	0.00E+00	2.59E-05	0.00E+00	6.26E-06	0.00E+00
R2	Road dust	Area	811183.1	825621.3	8	122	5	0.5	114	0830-1900	1.35E-04	0.00E+00	2.59E-05	0.00E+00	6.26E-06	0.00E+00
R3	Road dust	Area	811088.2	825614.2	8	93.05	5	0.5	85	0830-1900	1.35E-04	0.00E+00	2.59E-05	0.00E+00	6.26E-06	0.00E+00
R4	Road dust	Area	811092.5	825610.7	8	149	5	5	174	0830-1900	1.35E-04	0.00E+00	2.59E-05	0.00E+00	6.26E-06	0.00E+00
R5	Road dust	Area	811105.7	825466.1	8	123.1	5	10	120.7802	0830-1900	1.35E-04	0.00E+00	2.59E-05	0.00E+00	6.26E-06	0.00E+00
R6	Road dust	Area	811138.7	825298.0	8	123.7835	5	20	33.00665	0830-1900	1.50E-05	0.00E+00	2.88E-06	0.00E+00	6.98E-07	0.00E+00
R7	Road dust	Area	811125.2	825150.7	8	146.0075	5	20	5.06678	0830-1900	1.39E-05	0.00E+00	2.66E-06	0.00E+00	6.44E-07	0.00E+00
R9	Road dust	Area	811144.5	825299.0	8	120.7083	5	25	127.4813	0830-1900	1.16E-06	0.00E+00	2.23E-07	0.00E+00	5.39E-08	0.00E+00
R10	Road dust	Area	811209.8	825403.6	8	132.2437	5	15	94.45666	0830-1900	1.20E-04	0.00E+00	2.30E-05	0.00E+00	5.56E-06	0.00E+00
R11	Road dust	Area	810897.5	825096.4	8	140.4686	5	3.5	38	0700-2300 (daytime) 2300-0700 (nighttime)	4.43E-05	4.43E-05	8.50E-06	8.50E-06	2.06E-06	2.06E-06
R12	Road dust	Area	811249.7	825195.1	8	214.7453	5	5	24.18954	0700-2300	7.86E-05	0.00E+00	1.51E-05	0.00E+00	3.65E-06	0.00E+00
R13	Road dust	Area	811183.8	825061.7	8	148.8649	5	5	26.27491	0700-2300	8.30E-05	0.00E+00	1.59E-05	0.00E+00	3.85E-06	0.00E+00
R14	Road dust	Area	810922.7	824932.1	8	49.07642	5	0.5	35	0700-2300 (daytime) 2300-0700 (nighttime)	4.10E-05	3.65E-05	7.86E-06	7.01E-06	1.90E-06	1.70E-06
R15	Road dust	Area	811057.8	824840.1	8	53.00304	5	0.5	15.1577	0700-2300 (daytime) 2300-0700 (nighttime)	4.10E-05	3.65E-05	7.86E-06	7.01E-06	1.90E-06	1.70E-06
R17	Road dust	Area	810955.9	824973.7	8	145.7551	5	0.5	123	0700-2300 (daytime) 2300-0700 (nighttime)	4.10E-05	3.65E-05	7.86E-06	7.01E-06	1.90E-06	1.70E-06
R19	Road dust	Area	811114.1	824956.0	8	127.1899	5	2.5	33.39514	0700-2300	9.19E-05	0.00E+00	1.76E-05	0.00E+00	4.27E-06	0.00E+00
R20	Road dust	Area	811077.2	824983.7	8	49.95577	5	5	122.0265	0700-2300	4.43E-06	0.00E+00	8.50E-07	0.00E+00	2.06E-07	0.00E+00

Annex A1 - TSP, RSP and FSP Emission Inventory for Dust Emission Sources within TMFB

Source ID	Description	Source Type	Coordinates		Dimension/ Coordinates		Base Elevation	Height	Angle/ Width	Working Hour [a]	TSP Emission Rate		RSP Emission Rate		FSP Emission Rate	
			X1	Y1	X2	Y2					Working Hours	Non-working Hours / Nighttime Working Hours	Working Hours	Non-working Hours / Nighttime Working Hours	Working Hours	Non-working Hours / Nighttime Working Hours
			m	m	m	m	m	m	deg / m		g/m2/s	g/m2/s	g/m2/s	g/m2/s	g/m2/s	g/m2/s
R21	Road dust	Area	811113.4	824953.8	8	195.9919	5	10	0.452248	0700-2300 (daytime) 2300-0700 (nighttime)	1.52E-04	7.31E-05	2.91E-05	1.40E-05	7.04E-06	3.39E-06
R22	Road dust	Area	811072.1	824892.4	8	76.17601	5	0.5	33.39641	0700-2300 (daytime) 2300-0700 (nighttime)	8.19E-05	7.31E-05	1.57E-05	1.40E-05	3.80E-06	3.39E-06
R25	Road dust	Area	811175.0	824926.1	8	64.56	5	0.5	27	0800-2000	9.41E-06	0.00E+00	1.81E-06	0.00E+00	4.37E-07	0.00E+00
R26	Road dust	Area	811210.1	824984.9	8	38.37	5	0.5	117	0800-2000	9.41E-06	0.00E+00	1.81E-06	0.00E+00	4.37E-07	0.00E+00
R27	Road dust	Area	811238.6	824965.2	8	291	5	0.5	22	0800-2000	9.41E-06	0.00E+00	1.81E-06	0.00E+00	4.37E-07	0.00E+00
R28	Road dust	Area	811349.8	825234.0	8	355.3	5	0.5	22	0800-2000	9.41E-06	0.00E+00	1.81E-06	0.00E+00	4.37E-07	0.00E+00

Note:

(a) TMFB is operational on all days

(b) Dry deposition was considered for fugitive dust sources (i.e. wind erosion, material handling/screening/crushing and haul roads) based on the particle size distributions of the respective dust sources.

(c) The highest point of the stockpiling areas A001 and A002 is approximately 30m. On average, the height of the stockpiling areas A001 and A002 was assumed to be 15m which was adopted in the model.

Annex A1 - Mass Fractions of Particle Sizes for Dust Sources

Material Handling and Wind Erosion

Particle Size (µm)	Average Particle Size (µm)	Mass Fraction		
		TSP	RSP	FSP
2.5	1.25	0.07	0.15	1
5	3.75	0.2	0.42	-
10	7.5	0.2	0.43	-
15	12.5	0.18	-	-
30	22.5	0.35	-	-

Reference: AP-42, Section 13.2.4 (Edition 11/06)

Material Crushing

Particle Size (µm)	Average Particle Size (µm)	Mass Fraction		
		TSP	RSP	FSP
2.5	1.25	0.08	0.19	1
10	6.25	0.37	0.81	-
30	20	0.55	-	-

Reference: AP-42, Table 11.19.2-1, Tertiary Crushing (controlled)

Material Screening

Particle Size (µm)	Average Particle Size (µm)	Mass Fraction		
		TSP	RSP	FSP
2.5	1.25	0.02	0.07	1
10	6.25	0.31	0.93	-
30	20	0.67	-	-

Reference: AP-42, Table 11.19.2-1, Screening (controlled)

Haul Road

Particle Size (µm)	Average Particle Size (µm)	Mass Fraction		
		TSP	RSP	FSP
2.5	1.25	0.04	0.24	1
10	6.25	0.15	0.76	-
15	12.5	0.05	-	-
30	22.5	0.76	-	-

Reference: AP-42 Section 13.2.1 (Edition 1/11)

Annex A1 - NOx, SO2, RSP and FSP Emission Rate Calculations for Marine Vessels

Item	Source	Pollutant	Parameters	Value	Unit	Emission Rate	Unit	Reference
1	Berthing emissions		Average Auxiliary Engine Power (Barge)	50	kW			Provided by CEDD
	from Barge		Auxiliary Engine Load factor	0.43				Table 4.10, Study on Marine Vessels Emission Inventory Final Report 2012, EPD
		NOx	Emission Factor	10	g/kWh	2.15E+02	g/hr/vessel	Table 4.16, Study on Marine Vessels Emission Inventory Final Report 2012, EPD
		SO2	Emission Factor	0.208	g/kWh	4.47E+00	g/hr/vessel	Table 4.16, Study on Marine Vessels Emission Inventory Final Report 2012, EPD Fuel for local vessels in Hong Kong has sulphur content limited to 0.05% under the Air Pollution Control (Marine Light Diesel) Regulation
		RSP	Emission Factor	0.4	g/kWh	8.60E+00	g/hr/vessel	Table 4.16, Study on Marine Vessels Emission Inventory Final Report 2012, EPD
		FSP	Emission Factor	0.39	g/kWh	8.39E+00	g/hr/vessel	Table 4.16, Study on Marine Vessels Emission Inventory Final Report 2012, EPD
2	Berthing emissions		Average Auxiliary Engine Power (Derrick Lighter)	270	kW			Provided by CEDD
	from Derrick Lighter		Auxiliary Engine Load factor	0.43				Table 4.10, Study on Marine Vessels Emission Inventory Final Report 2012, EPD
		NOx	Emission Factor	10	g/kWh	1.16E+03	g/hr/vessel	Table 4.16, Study on Marine Vessels Emission Inventory Final Report 2012, EPD
		SO2	Emission Factor	0.208	g/kWh	2.41E+01	g/hr/vessel	Table 4.16, Study on Marine Vessels Emission Inventory Final Report 2012, EPD Fuel for local vessels in Hong Kong has sulphur content limited to 0.05% under the Air Pollution Control (Marine Light Diesel) Regulation
		RSP	Emission Factor	0.4	g/kWh	4.64E+01	g/hr/vessel	Table 4.16, Study on Marine Vessels Emission Inventory Final Report 2012, EPD
		FSP	Emission Factor	0.39	g/kWh	4.53E+01	g/hr/vessel	Table 4.16, Study on Marine Vessels Emission Inventory Final Report 2012, EPD
3	Maneuvering (Barge)		Average Main Engine Power (Barge)	1100	kW			Provided by CEDD
			Main Engine Load factor	0.3				Table 4.7, Study on Marine Vessels Emission Inventory Final Report 2012, EPD
		NOx	Emission Factor	10	g/kWh	3.30E+03	g/hr/vessel	Table 4.16, Main Engine (Cat.1), Study on Marine Vessels Emission Inventory Final Report 2012, EPD
		SO2	Emission Factor	0.208	g/kWh	6.86E+01	g/hr/vessel	Table 4.16, Main Engine (Cat.1), Study on Marine Vessels Emission Inventory Final Report 2012, EPD Fuel for local vessels in Hong Kong has sulphur content limited to 0.05% under the Air Pollution Control (Marine Light Diesel) Regulation
		RSP	Emission Factor	0.3	g/kWh	9.90E+01	g/hr/vessel	Table 4.16, Main Engine (Cat.1), Study on Marine Vessels Emission Inventory Final Report 2012, EPD
		FSP	Emission Factor	0.29	g/kWh	9.57E+01	g/hr/vessel	Table 4.16, Main Engine (Cat.1), Study on Marine Vessels Emission Inventory Final Report 2012, EPD
4	Maneuvering (Tugboat)		Average Main Engine Power (tugboat)	392	kW			Provided by CEDD
			Main Engine Load factor	0.3				Table 4.7, Study on Marine Vessels Emission Inventory Final Report 2012, EPD
		NOx	Emission Factor	13.2	g/kWh	1.55E+03	g/hr/vessel	Table 4.16, Main Engine (Cat.2), Study on Marine Vessels Emission Inventory Final Report 2012, EPD
		SO2	Emission Factor	0.208	g/kWh	2.45E+01	g/hr/vessel	Table 4.16, Main Engine (Cat.2), Study on Marine Vessels Emission Inventory Final Report 2012, EPD Fuel for local vessels in Hong Kong has sulphur content limited to 0.05% under the Air Pollution Control (Marine Light Diesel) Regulation
		RSP	Emission Factor	0.72	g/kWh	8.47E+01	g/hr/vessel	Table 4.16, Main Engine (Cat.2), Study on Marine Vessels Emission Inventory Final Report 2012, EPD
		FSP	Emission Factor	0.7	g/kWh	8.23E+01	g/hr/vessel	Table 4.16, Main Engine (Cat.2), Study on Marine Vessels Emission Inventory Final Report 2012, EPD

Annex A1 - NOx, SO2, RSP and FSP Emission Rate Calculations for Marine Vessels (for assessment except annual NO2)

Berthing

					NOx			SO2			RSP			FSP		
	Time-in-mode [1] (hr)	Daily Flow [2]	Working Hour	Type of Vessel [3]	Emission Rate (g/hr/vessel)	Emission Rate (g/s)	AERMOD input hour	Emission Rate (g/hr/vessel)	Emission Rate (g/s)	AERMOD input hour	Emission Rate (g/hr/vessel)	Emission Rate (g/s)	AERMOD input hour	Emission Rate (g/hr/vessel)	Emission Rate (g/s)	AERMOD input hour
B1_B B2_B B3_B	4	3	0700 - 2300	Barge	2.15E+02	4.48E-02	0700 - 2300	4.47E+00	9.32E-04	0700 - 2300	8.60E+00	1.79E-03	0700 - 2300	8.39E+00	1.75E-03	0700 - 2300
B1_B B2_B B3_B	4	2	2300 - 0700	Barge	2.15E+02	5.97E-02	2300 - 0700	4.47E+00	1.24E-03	2300 - 0700	8.60E+00	2.39E-03	2300 - 0700	8.39E+00	2.33E-03	2300 - 0700
IB1_B IB2_B	4	1	0700 - 2300	Derrick Lighter	1.16E+03	8.06E-02	0700 - 2300	2.41E+01	1.68E-03	0700 - 2300	4.64E+01	3.23E-03	0700 - 2300	4.53E+01	3.14E-03	0700 - 2300
B	4	1	0700 - 2300	Derrick Lighter	1.16E+03	8.06E-02	0700 - 2300	2.41E+01	1.68E-03	0700 - 2300	4.64E+01	3.23E-03	0700 - 2300	4.53E+01	3.14E-03	0700 - 2300

Maneuvering

					NOx			SO2			RSP			FSP		
	Time-in-mode [1] (hr)	Daily Flow [2]	Working Hour	Type of Vessel [3]	Emission Rate (g/hr/vessel)	Emission Rate (g/s)	AERMOD input hour	Emission Rate (g/hr/vessel)	Emission Rate (g/s)	AERMOD input hour	Emission Rate (g/hr/vessel)	Emission Rate (g/s)	AERMOD input hour	Emission Rate (g/hr/vessel)	Emission Rate (g/s)	AERMOD input hour
from IB1 - IB2	0.25	4	0700 - 2300	Tugboat	1.55E+03	2.70E-02		2.45E+01	4.25E-04		8.47E+01	1.47E-03		8.23E+01	1.43E-03	
M1-M35						7.70E-04	0700 - 2300		1.21E-05	0700 - 2300		4.20E-05	0700 - 2300		4.08E-05	0700 - 2300
from B1 - B3	0.25	18	0700 - 2300	Barge	3.30E+03	2.58E-01		6.86E+01	5.36E-03		9.90E+01	7.73E-03		9.57E+01	7.48E-03	
from B1 - B3	0.25	12	2300 - 0700	Barge	3.30E+03	3.44E-01		6.86E+01	7.15E-03		9.90E+01	1.03E-02		9.57E+01	9.97E-03	
M36-M71						7.16E-03	0700 - 2300		1.49E-04	0700 - 2300		2.15E-04	0700 - 2300		2.08E-04	0700 - 2300
M36-M71						9.55E-03	2300 - 0700		1.99E-04	2300 - 0700		2.86E-04	2300 - 0700		2.77E-04	2300 - 0700
from B	0.25	2	0700 - 2300	Tugboat	1.55E+03	1.35E-02		2.45E+01	2.12E-04		8.47E+01	7.35E-04		8.23E+01	7.15E-04	
C1-C39						3.46E-04	0700 - 2300		5.44E-06	0700 - 2300		1.88E-05	0700 - 2300		1.83E-05	0700 - 2300

Notes:

(1) Time-in-mode for berthing refers to the berthing time at barging point and is assumsed to be 4 hours.
Time-in-mode for maneuvering refers to the maneuvering time within the Study Area and is assumed to be 15 minutes for routes M1-M35, M36-71 & C1-C39.
Time-in-mode has been confirmed with CEDD.

(2) Daily flow for berthing refers to number of vessel at berth at each barging point each day.
Daily flow for maneuvering refers to the number of trips of vessel arriving and departing (two-way trip) at all relevant barging points.
Daily flow has been confirmed with CEDD.

(3) Barges were assumed for material export at barging points B1 to B3.
Derick lighter (at berth) and tugboat (maneuvering) were assumed for material import at barging points IB1 and IB2.

Derick lighter (at berth) and tugboat (maneuvering) were assumed for material transport at barging point B. As advised by CEDD, barging point B may be used for bridge segment storage by the Development of Kwu Tung North and Fanling North Project tentatively from 2020 to 2023.

Annex A1 - NOx, SO2, RSP and FSP Emission Rate Calculations for Marine Vessels (for annual NO_2 assessment)

Berthing

					NOx		
	Time-in-mode [1] (hr)	Daily Flow [2]	Working Hour	Type of Vessel [3]	Emission Rate (g/hr/vessel)	Emission Rate (g/s)	AERMOD input hour
B1_B B2_B B3_B	4	3	0700 - 2300	Barge	2.15E+02	4.48E-02	0700 - 2300
B1_B B2_B B3_B	4	2	2300 - 0700	Barge	2.15E+02	5.97E-02	2300 - 0700
IB1_B IB2_B	4	0.03	0700 - 2300	Derrick Lighter	1.16E+03	2.42E-03	0700 - 2300
B	4	0.28	0700 - 2300	Derrick Lighter	1.16E+03	2.30E-02	0700 - 2300

Maneuvering

					NOx		
	Time-in-mode [1] (hr)	Daily Flow [2]	Working Hour	Type of Vessel [3]	Emission Rate (g/hr/vessel)	Emission Rate (g/s)	AERMOD input hour
from IB1 - IB2	0.25	0.12	0700 - 2300	Tugboat	1.55E+03	8.09E-04	
M1-M35						2.31E-05	0700 - 2300
from B1 - B3	0.25	18	0700 - 2300	Barge	3.30E+03	2.58E-01	
from B1 - B3	0.25	12	2300 - 0700	Barge	3.30E+03	3.44E-01	
M36-M71						7.16E-03	0700 - 2300
M36-M71						9.55E-03	2300 - 0700
from B	0.25	0.57	0700 - 2300	Tugboat	1.55E+03	3.84E-03	
C1-C39						9.84E-05	0700 - 2300

Notes:

(1) Time-in-mode for berthing refers to the berthing time at barging point and is assumsed to be 4 hours.
Time-in-mode for maneuvering refers to the maneuvering time within the Study Area and is assumed to be 15 minutes for routes M1-M35, M36-71 & C1-C39.
Time-in-mode has been confirmed with CEDD.

(2) Daily flow for berthing refers to number of vessel at berth at each barging point each day.
Daily flow for maneuvering refers to the number of trips of vessel arriving and departing (two-way trip) at all relevant barging points.
As advised by CEDD, material import at each barging point (IB1 or IB2) accounts for 3% of the time on average annually.
As advised by CEDD, material transport at barging point B was assumed to be 2 times/week during the period of 0700-2300.

(3) Barges were assumed for material export at barging points B1 to B3.
Derick lighter (at berth) and tugboat (maneuvering) were assumed for material import at barging points IB1 and IB2.
Derick lighter (at berth) and tugboat (maneuvering) were assumed for material transport at barging point B. As advised by CEDD, barging point B may be used for bridge segment storage by the Development of Kwu Tung North and Fanling North Project tentatively from 2020 to 2023.

Annex A1 - Emission Inventory for Marine Vessels (for assessment except annual NO_2)

Source ID	Description	Source Type	Coordinates		Base Elevation	Height	Stack Temp	Stack Velocity	Stack Diameter	Working Hour	NOx Emission Rate		SO2 Emission Rate		RSP Emission Rate		FSP Emission Rate	
			X1	Y1							0700 - 2300	2300 - 0700	0700 - 2300	2300 - 0700	0700 - 2300	2300 - 0700	0700 - 2300	2300 - 0700
			m	m	m	m	K	m/s	m		g/s	g/s	g/s	g/s	g/s	g/s	g/s	g/s
B1_B	Berthing	Point	811058.8	824834.9	0	15	803	8	0.3	24 hours	4.48E-02	5.97E-02	9.32E-04	1.24E-03	1.79E-03	2.39E-03	1.75E-03	2.33E-03
B2_B	Berthing	Point	810923.2	824925.7	0	15	803	8	0.3	24 hours	4.48E-02	5.97E-02	9.32E-04	1.24E-03	1.79E-03	2.39E-03	1.75E-03	2.33E-03
B3_B	Berthing	Point	810786.6	825019.0	0	15	803	8	0.3	24 hours	4.48E-02	5.97E-02	9.32E-04	1.24E-03	1.79E-03	2.39E-03	1.75E-03	2.33E-03
IB1_B	Berthing	Point	810853.6	824979.3	0	9	795	8	0.15	0700-2300	8.06E-02	0.00E+00	1.68E-03	0.00E+00	3.23E-03	0.00E+00	3.14E-03	0.00E+00
IB2_B	Berthing	Point	810989.7	824887.2	0	9	795	8	0.15	0700-2300	8.06E-02	0.00E+00	1.68E-03	0.00E+00	3.23E-03	0.00E+00	3.14E-03	0.00E+00
B	Berthing	Point	811124.7	824794.9	0	9	795	8	0.15	0700-2300	8.06E-02	0.00E+00	1.68E-03	0.00E+00	3.23E-03	0.00E+00	3.14E-03	0.00E+00
M1	Maneuvering	Point	810906.9	824905.6	0	9	795	8	0.15	0700-2300	7.70E-04	0.00E+00	1.21E-05	0.00E+00	4.20E-05	0.00E+00	4.08E-05	0.00E+00
M2	Maneuvering	Point	810900.1	824885.7	0	9	795	8	0.15	0700-2300	7.70E-04	0.00E+00	1.21E-05	0.00E+00	4.20E-05	0.00E+00	4.08E-05	0.00E+00
M3	Maneuvering	Point	810894.3	824865.9	0	9	795	8	0.15	0700-2300	7.70E-04	0.00E+00	1.21E-05	0.00E+00	4.20E-05	0.00E+00	4.08E-05	0.00E+00
M4	Maneuvering	Point	810891.9	824845.1	0	9	795	8	0.15	0700-2300	7.70E-04	0.00E+00	1.21E-05	0.00E+00	4.20E-05	0.00E+00	4.08E-05	0.00E+00
M5	Maneuvering	Point	810890.9	824824.4	0	9	795	8	0.15	0700-2300	7.70E-04	0.00E+00	1.21E-05	0.00E+00	4.20E-05	0.00E+00	4.08E-05	0.00E+00
M6	Maneuvering	Point	810890.9	824803.4	0	9	795	8	0.15	0700-2300	7.70E-04	0.00E+00	1.21E-05	0.00E+00	4.20E-05	0.00E+00	4.08E-05	0.00E+00
M7	Maneuvering	Point	810892.0	824782.8	0	9	795	8	0.15	0700-2300	7.70E-04	0.00E+00	1.21E-05	0.00E+00	4.20E-05	0.00E+00	4.08E-05	0.00E+00
M8	Maneuvering	Point	810896.1	824762.3	0	9	795	8	0.15	0700-2300	7.70E-04	0.00E+00	1.21E-05	0.00E+00	4.20E-05	0.00E+00	4.08E-05	0.00E+00
M9	Maneuvering	Point	810900.2	824742.0	0	9	795	8	0.15	0700-2300	7.70E-04	0.00E+00	1.21E-05	0.00E+00	4.20E-05	0.00E+00	4.08E-05	0.00E+00
M10	Maneuvering	Point	810908.8	824722.8	0	9	795	8	0.15	0700-2300	7.70E-04	0.00E+00	1.21E-05	0.00E+00	4.20E-05	0.00E+00	4.08E-05	0.00E+00
M11	Maneuvering	Point	810917.5	824703.7	0	9	795	8	0.15	0700-2300	7.70E-04	0.00E+00	1.21E-05	0.00E+00	4.20E-05	0.00E+00	4.08E-05	0.00E+00
M12	Maneuvering	Point	810926.1	824684.9	0	9	795	8	0.15	0700-2300	7.70E-04	0.00E+00	1.21E-05	0.00E+00	4.20E-05	0.00E+00	4.08E-05	0.00E+00
M13	Maneuvering	Point	810936.2	824666.4	0	9	795	8	0.15	0700-2300	7.70E-04	0.00E+00	1.21E-05	0.00E+00	4.20E-05	0.00E+00	4.08E-05	0.00E+00
M14	Maneuvering	Point	810946.2	824648.0	0	9	795	8	0.15	0700-2300	7.70E-04	0.00E+00	1.21E-05	0.00E+00	4.20E-05	0.00E+00	4.08E-05	0.00E+00
M15	Maneuvering	Point	810957.0	824630.3	0	9	795	8	0.15	0700-2300	7.70E-04	0.00E+00	1.21E-05	0.00E+00	4.20E-05	0.00E+00	4.08E-05	0.00E+00
M16	Maneuvering	Point	810968.6	824612.9	0	9	795	8	0.15	0700-2300	7.70E-04	0.00E+00	1.21E-05	0.00E+00	4.20E-05	0.00E+00	4.08E-05	0.00E+00
M17	Maneuvering	Point	810980.3	824595.4	0	9	795	8	0.15	0700-2300	7.70E-04	0.00E+00	1.21E-05	0.00E+00	4.20E-05	0.00E+00	4.08E-05	0.00E+00
M18	Maneuvering	Point	810991.9	824578.3	0	9	795	8	0.15	0700-2300	7.70E-04	0.00E+00	1.21E-05	0.00E+00	4.20E-05	0.00E+00	4.08E-05	0.00E+00
M19	Maneuvering	Point	811004.6	824561.5	0	9	795	8	0.15	0700-2300	7.70E-04	0.00E+00	1.21E-05	0.00E+00	4.20E-05	0.00E+00	4.08E-05	0.00E+00
M20	Maneuvering	Point	811017.2	824544.8	0	9	795	8	0.15	0700-2300	7.70E-04	0.00E+00	1.21E-05	0.00E+00	4.20E-05	0.00E+00	4.08E-05	0.00E+00
M21	Maneuvering	Point	811030.0	824528.5	0	9	795	8	0.15	0700-2300	7.70E-04	0.00E+00	1.21E-05	0.00E+00	4.20E-05	0.00E+00	4.08E-05	0.00E+00
M22	Maneuvering	Point	811044.0	824512.9	0	9	795	8	0.15	0700-2300	7.70E-04	0.00E+00	1.21E-05	0.00E+00	4.20E-05	0.00E+00	4.08E-05	0.00E+00
M23	Maneuvering	Point	811058.1	824497.2	0	9	795	8	0.15	0700-2300	7.70E-04	0.00E+00	1.21E-05	0.00E+00	4.20E-05	0.00E+00	4.08E-05	0.00E+00
M24	Maneuvering	Point	811072.1	824481.6	0	9	795	8	0.15	0700-2300	7.70E-04	0.00E+00	1.21E-05	0.00E+00	4.20E-05	0.00E+00	4.08E-05	0.00E+00
M25	Maneuvering	Point	811086.6	824466.9	0	9	795	8	0.15	0700-2300	7.70E-04	0.00E+00	1.21E-05	0.00E+00	4.20E-05	0.00E+00	4.08E-05	0.00E+00
M26	Maneuvering	Point	811101.5	824452.1	0	9	795	8	0.15	0700-2300	7.70E-04	0.00E+00	1.21E-05	0.00E+00	4.20E-05	0.00E+00	4.08E-05	0.00E+00
M27	Maneuvering	Point	811116.3	824437.2	0	9	795	8	0.15	0700-2300	7.70E-04	0.00E+00	1.21E-05	0.00E+00	4.20E-05	0.00E+00	4.08E-05	0.00E+00
M28	Maneuvering	Point	811131.1	824422.7	0	9	795	8	0.15	0700-2300	7.70E-04	0.00E+00	1.21E-05	0.00E+00	4.20E-05	0.00E+00	4.08E-05	0.00E+00
M29	Maneuvering	Point	811146.2	824408.1	0	9	795	8	0.15	0700-2300	7.70E-04	0.00E+00	1.21E-05	0.00E+00	4.20E-05	0.00E+00	4.08E-05	0.00E+00
M30	Maneuvering	Point	811161.2	824393.5	0	9	795	8	0.15	0700-2300	7.70E-04	0.00E+00	1.21E-05	0.00E+00	4.20E-05	0.00E+00	4.08E-05	0.00E+00
M31	Maneuvering	Point	811176.3	824379.2	0	9	795	8	0.15	0700-2300	7.70E-04	0.00E+00	1.21E-05	0.00E+00	4.20E-05	0.00E+00	4.08E-05	0.00E+00
M32	Maneuvering	Point	811191.6	824364.9	0	9	795	8	0.15	0700-2300	7.70E-04	0.00E+00	1.21E-05	0.00E+00	4.20E-05	0.00E+00	4.08E-05	0.00E+00
M33	Maneuvering	Point	811206.8	824350.8	0	9	795	8	0.15	0700-2300	7.70E-04	0.00E+00	1.21E-05	0.00E+00	4.20E-05	0.00E+00	4.08E-05	0.00E+00
M34	Maneuvering	Point	811222.8	824337.2	0	9	795	8	0.15	0700-2300	7.70E-04	0.00E+00	1.21E-05	0.00E+00	4.20E-05	0.00E+00	4.08E-05	0.00E+00
M35	Maneuvering	Point	811237.7	824324.5	0	9	795	8	0.15	0700-2300	7.70E-04	0.00E+00	1.21E-05	0.00E+00	4.20E-05	0.00E+00	4.08E-05	0.00E+00
M36	Maneuvering	Point	810906.9	824905.6	0	15	803	8	0.3	24 hours	7.16E-03	9.55E-03	1.49E-04	1.99E-04	2.15E-04	2.86E-04	2.08E-04	2.77E-04
M37	Maneuvering	Point	810890.9	824892.0	0	15	803	8	0.3	24 hours	7.16E-03	9.55E-03	1.49E-04	1.99E-04	2.15E-04	2.86E-04	2.08E-04	2.77E-04
M38	Maneuvering	Point	810873.5	824881.4	0	15	803	8	0.3	24 hours	7.16E-03	9.55E-03	1.49E-04	1.99E-04	2.15E-04	2.86E-04	2.08E-04	2.77E-04
M39	Maneuvering	Point	810853.9	824873.9	0	15	803	8	0.3	24 hours	7.16E-03	9.55E-03	1.49E-04	1.99E-04	2.15E-04	2.86E-04	2.08E-04	2.77E-04
M40	Maneuvering	Point	810833.7	824869.4	0	15	803	8	0.3	24 hours	7.16E-03	9.55E-03	1.49E-04	1.99E-04	2.15E-04	2.86E-04	2.08E-04	2.77E-04
M41	Maneuvering	Point	810813.0	824865.9	0	15	803	8	0.3	24 hours	7.16E-03	9.55E-03	1.49E-04	1.99E-04	2.15E-04	2.86E-04	2.08E-04	2.77E-04
M42	Maneuvering	Point	810792.4	824864.8	0	15	803	8	0.3	24 hours	7.16E-03	9.55E-03	1.49E-04	1.99E-04	2.15E-04	2.86E-04	2.08E-04	2.77E-04
M43	Maneuvering	Point	810771.4	824864.2	0	15	803	8	0.3	24 hours	7.16E-03	9.55E-03	1.49E-04	1.99E-04	2.15E-04	2.86E-04	2.08E-04	2.77E-04
M44	Maneuvering	Point	810750.7	824863.6	0	15	803	8	0.3	24 hours	7.16E-03	9.55E-03	1.49E-04	1.99E-04	2.15E-04	2.86E-04	2.08E-04	2.77E-04
M45	Maneuvering	Point	810729.7	824863.2	0	15	803	8	0.3	24 hours	7.16E-03	9.55E-03	1.49E-04	1.99E-04	2.15E-04	2.86E-04	2.08E-04	2.77E-04
M46	Maneuvering	Point	810708.7	824862.7	0	15	803	8	0.3	24 hours	7.16E-03	9.55E-03	1.49E-04	1.99E-04	2.15E-04	2.86E-04	2.08E-04	2.77E-04
M47	Maneuvering	Point	810687.7	824862.2	0	15	803	8	0.3	24 hours	7.16E-03	9.55E-03	1.49E-04	1.99E-04	2.15E-04	2.86E-04	2.08E-04	2.77E-04
M48	Maneuvering	Point	810667.0	824862.5	0	15	803	8	0.3	24 hours	7.16E-03	9.55E-03	1.49E-04	1.99E-04	2.15E-04	2.86E-04	2.08E-04	2.77E-04
M49	Maneuvering	Point	810646.0	824863.0	0	15	803	8	0.3	24 hours	7.16E-03	9.55E-03	1.49E-04	1.99E-04	2.15E-04	2.86E-04	2.08E-04	2.77E-04
M50	Maneuvering	Point	810625.0	824863.6	0	15	803	8	0.3	24 hours	7.16E-03	9.55E-03	1.49E-04	1.99E-04	2.15E-04	2.86E-04	2.08E-04	2.77E-04
M51	Maneuvering	Point	810604.3	824864.0	0	15	803	8	0.3	24 hours	7.16E-03	9.55E-03	1.49E-04	1.99E-04	2.15E-04	2.86E-04	2.08E-04	2.77E-04
M52	Maneuvering	Point	810583.3	824864.5	0	15	803	8	0.3	24 hours	7.16E-03	9.55E-03	1.49E-04	1.99E-04	2.15E-04	2.86E-04	2.08E-04	2.77E-04
M53	Maneuvering	Point	810562.3	824864.9	0	15	803	8	0.3	24 hours	7.16E-03	9.55E-03	1.49E-04	1.99E-04	2.15E-04	2.86E-04	2.08E-04	2.77E-04
M54	Maneuvering	Point	810541.4	824865.3	0	15	803	8	0.3	24 hours	7.16E-03	9.55E-03	1.49E-04	1.99E-04	2.15E-04	2.86E-04	2.08E-04	2.77E-04
M55	Maneuvering	Point	810520.8	824867.9	0	15	803	8	0.3	24 hours	7.16E-03	9.55E-03	1.49E-04	1.99E-04	2.15E-04	2.86E-04	2.08E-04	2.77E-04
M56	Maneuvering	Point	810500.0	824870.6	0	15	803	8	0.3	24 hours	7.16E-03	9.55E-03	1.49E-04	1.99E-04	2.15E-04	2.86E-04	2.08E-04	2.77E-04
M57	Maneuvering	Point	810479.8	824875.0	0	15	803	8	0.3	24 hours	7.16E-03	9.55E-03	1.49E-04	1.99E-04	2.15E-04	2.86E-04	2.08E-04	2.77E-04
M58	Maneuvering	Point	810459.6	824880.8	0	15	803	8	0.3	24 hours	7.16E-03	9.55E-03	1.49E-04	1.99E-04	2.15E-04	2.86E-04	2.08E-04	2.77E-04
M59	Maneuvering	Point	810439.8	824886.7	0	15	803	8	0.3	24 hours	7.16E-03	9.55E-03	1.49E-04	1.99E-04	2.15E-04	2.86E-04	2.08E-04	2.77E-04
M60	Maneuvering	Point	810420.7	824895.3	0	15	803	8	0.3	24 hours	7.16E-03	9.55E-03	1.49E-04	1.99E-04	2.15E-04	2.86E-04	2.08E-04	2.77E-04
M61	Maneuvering	Point	810401.5	824904.0	0	15	803	8	0.3	24 hours	7.16E-03	9.55E-03	1.49E-04	1.99E-04	2.15E-04	2.86E-04	2.08E-04	2.77E-04
M62	Maneuvering	Point	810382.9	824913.0	0	15	803	8	0.3	24 hours	7.16E-03	9.55E-03	1.49E-04	1.99E-04	2.15E-04	2.86E-04	2.08E-04	2.77E-04
M63	Maneuvering	Point	810364.4	824922.9	0	15	803	8	0.3	24 hours	7.16E-03	9.55E-03	1.49E-04	1.99E-04	2.15E-04	2.86E-04	2.08E-04	2.77E-04
M64	Maneuvering	Point	810345.8	824932.7	0	15	803	8	0.3	24 hours	7.16E-03	9.55E-03	1.49E-04	1.99E-04	2.15E-04	2.86E-04	2.08E-04	2.77E-04
M65	Maneuvering	Point	810328.1	824943.4	0	15	803	8	0.3	24 hours	7.16E-03	9.55E-03	1.49E-04	1.99E-04	2.15E-04	2.86E-04	2.08E-04	2.77E-04
M66	Maneuvering	Point	810310.3	824954.5	0	15	803	8	0.3	24 hours	7.16E-03	9.55E-03	1.49E-04	1.99E-04	2.15E-04	2.86E-04	2.08E-04	2.77E-04
M67	Maneuvering	Point	810292.7	824965.4	0	15	803	8	0.3	24 hours	7.16E-03	9.55E-03	1.49E-04	1.99E-04	2.15E-04	2.86E-04	2.08E-04	2.77E-04
M68	Maneuvering	Point	810275.0	824976.7	0	15	803	8	0.3	24 hours	7.16E-03	9.55E-03	1.49E-04	1.99E-04	2.15E-04	2.86E-04	2.08E-04	2.77E-04
M69	Maneuvering	Point	810257.7	824988.0	0	15	803	8	0.3	24 hours	7.16E-03	9.55E-03	1.49E-04	1.99E-04	2.15E-04	2.86E-04	2.08E-04	2.77E-04
M70	Maneuvering	Point	810241.6	825001.5	0	15	803	8	0.3	24 hours	7.16E-03	9.55E-03	1.49E-04	1.99E-04	2.15E-04	2.86E-04	2.08E-04	2.77E-04
M71	Maneuvering	Point	810237.6	825004.9	0	15	803	8	0.3	24 hours	7.16E-03	9.55E-03	1.49E-04	1.99E-04	2.15E-04	2.86E-04	2.08E-04	2.77E-04
C1	Maneuvering	Point	811110.4	824767.0	0	9	795	8	0.15	0700-2300	3.46E-04	0.00E+00	5.44E-06	0.00E+00	1.88E-05	0.00E+00	1.83E-05	0.00E+00
C2	Maneuvering	Point	811096.8	824752.4	0	9	795	8	0.15	0700-2300	3.46E-04	0.00E+00	5.44E-06	0.00E+00	1.88E-05	0.00E+00	1.83E-05	0.00E+00
C3	Maneuvering	Point	811083.1	824737.7	0	9	795	8	0.15	0700-2300	3.46E-04	0.00E+00	5.44E-06	0.00E+00	1.88E-05	0.00E+00	1.83E-05	0.00E+00
C4	Maneuvering	Point	811069.5	824723.1	0	9	795	8	0.15	0700-2300	3.46E-04	0.00E+00	5.44E-06	0.00E+00	1.88E-05	0.00E+00	1.83E-05	0.00E+00
C5	Maneuvering	Point	811054.7	824709.7	0	9	795	8	0.15	0700-2300	3.46E-04	0.00E+00	5.44E-06	0.00E+00	1.88E-05	0.00E+00	1.83E-05	0.00E+00
C6	Maneuvering	Point	811039.5	824696.7	0	9	795	8	0.15	0700-2300	3.46E-04	0.00E+00	5.44E-06	0.00E+00	1.88E-05	0.00E+00	1.83E-05	0.00E+00
C7	Maneuvering	Point	811024.3	824683.7	0	9	795	8	0.15	0700-2300	3.46E-04	0.00E+00	5.44E-06	0.00E+00	1.88E-05	0.00E+00	1.83E-05	0.00E+00
C8	Maneuvering	Point	811009.0	824670.8	0	9	795	8	0.15	0700-2300	3.46E-04	0.00E+00	5.44E-06	0.00E+00	1.88E-05	0.00E+00	1.83E-05	0.00E+00
C9	Maneuvering	Point	810990.3	824663.7	0	9	795	8	0.15	0700-2300	3.46E-04	0.00E+00	5.44E-06	0.00E+00	1.88E-05	0.00E+00	1.83E-05	0.00E+00
C10	Maneuvering	Point	810971.6	824656.6	0	9	795	8	0.15	0700-2300	3.46E-04	0.00E+00	5.44E-06	0.00E+00	1.88E-05	0.00E+00	1.83E-05	0.00E+00
C11	Maneuvering	Point	810952.9	824649.5	0	9	795	8	0.15	0700-2300	3.46E-04	0.00E+00	5.44E-06	0.00E+00	1.88E-05	0.00E+00	1.83E-05	0.00E+00
C12	Maneuvering	Point	810934.2	824642.3	0	9	795	8	0.15	0700-2300	3.46E-04	0.00E+00	5.44E-06	0.00E+00	1.88E-05	0.00E+00	1.83E-05	0.00E+00
C13	Maneuvering	Point	810915.6	824635.2	0	9	795	8	0.15	0700-2300	3.46E-04	0.00E+00	5.44E-06	0.00E+00	1.88E-05	0.00E+00	1.83E-05	0.00E+00
C14	Maneuvering	Point	810896.0	824631.4	0	9	795	8	0.15	0700-2300	3.46E-04	0.00E+00	5.44E-06	0.00E+00	1.88E-05	0.00E+00	1.83E-05	0.00E+00
C15	Maneuvering	Point	810876.3	824628.1	0	9	795	8	0.15	0700-2300	3.46E-04	0.00E+00	5.44E-06	0.00E+00	1.88E-05	0.00E+00	1.83E-05	0.00E+00
C16	Maneuvering	Point	810856.5	824624.8	0	9	795	8	0.15	0700-2300	3.46E-04	0.00E+00	5.44E-06	0.00E+00	1.88E-05	0.00E+00	1.83E-05	0.00E+00
C17	Maneuvering	Point	810836.8	824621.5	0	9	795	8	0.15	0700-2300	3.46E-04	0.00E+00	5.44E-06	0.00E+00	1.88E-05	0.00E+00	1.83E-05	0.00E+00
C18	Maneuvering	Point	810816.9	824620.4	0	9	795	8	0.15	0700-2300	3.46E-04	0.00E+00	5.44E-06	0.00E+00	1.88E-05	0.00E+00	1.83E-05	0.00E+00
C19	Maneuvering	Point	810796.9	824619.9	0	9	795	8	0.15	0700-2300	3.46E-04	0.00E+00	5.44E-06	0.00E+00	1.88E-05	0.00E+00	1.83E-05	0.00E+00
C20	Maneuvering	Point	810776.9	824619.3	0	9	795	8	0.15	0700-2300	3.46E-04	0.00E+00	5.44E-06	0.00E+00	1.88E-05	0.00E+00	1.83E-05	0.00E+00
C21	Maneuvering	Point	810756.9	824618.7	0	9	795	8	0.15	0700-2300	3.46E-04	0.00E+00	5.44E-06	0.00E+00	1.88E-05	0.00E+00	1.83E-05	0.00E+00
C22	Maneuvering	Point	810736.9	824618.3	0	9	795	8	0.15	0700-2300	3.46E-04	0.00E+00	5.44E-06	0.00E+00	1.88E-05	0.00E+00	1.83E-05	0.00E+00
C23	Maneuvering	Point	810716.9	824617.8	0	9	795	8	0.15	0700-2300	3.46E-04	0.00E+00	5.44E-06	0.00E+00	1.88E-05	0.00E+00	1.83E-05	0.00E+00
C24	Maneuvering	Point	810696.9	824617.4	0	9	795	8	0.15	0700-2300	3.46E-04	0.00E+00	5.44E-06	0.00E+00	1.88E-05	0.00E+00	1.83E-05	0.00E+00
C25	Maneuvering	Point	810676.9	824617.1	0	9	795	8	0.15	0700-2300	3.46E-04	0.00E+00	5.44E-06	0.00E+00	1.88E-05	0.00E+00	1.83E-05	0.00E+00
C26	Maneuvering	Point	810656.9	824617.7	0	9	795	8	0.15	0700-2300	3.46E-04	0.00E+00	5.44E-06	0.00E+00	1.88E-05	0.00E+00	1.83E-05	0.00E+00
C27	Maneuvering	Point	810636.9	824618.2	0	9	795	8	0.15	0700-2300	3.46E-04	0.00E+00	5.44E-06	0.00E+00	1.88E-05	0.00E+00	1.83E-05	0.00E+00
C28	Maneuvering	Point	810616.9	824618.7	0	9	795	8	0.15	0700-2300	3.46E-04	0.00E+00	5.44E-06	0.00E+00	1.88E-05	0.00E+00	1.83E-05	0.00E+00
C29	Maneuvering	Point	810596.9	824619.1	0	9	795	8	0.15	0700-2300	3.46E-04	0.00E+00	5.44E-06	0.00E+00	1.88E-05	0.00E+00	1.83E-05	0.00E+00
C30	Maneuvering	Point	810576.9	824619.5	0	9	795	8	0.15	0700-2300	3.46E-04	0.00E+00	5.44E-06	0.00E+00	1.88E-05	0.00E+00	1.83E-05	0.00E+00
C31	Maneuvering	Point	810556.9	824619.9	0	9	795	8	0.15	0700-2300	3.46E-04	0.00E+00	5.44E-06	0.00E+00	1.88E-05	0.00E+00	1.83E-05	0.00E+00
C32	Maneuvering	Point	810536.9	824620.4	0	9	795	8	0.15	0700-2300	3.46E-04	0.00E+00	5.44E-06	0.00E+00	1.88E-05	0.00E+00	1.83E-05	0.00E+00
C33	Maneuvering	Point	810517.0	824621.4	0	9	795	8	0.15	0700-2300	3.46E-04	0.00E+00	5.44E-06	0.00E+00	1.88E-05	0.00E+00	1.83E-05	0.00E+00
C34	Maneuvering	Point	810497.1	824623.9	0	9	795	8	0.15	0700-2300	3.46E-04	0.00E+00	5.44E-06	0.00E+00	1.88E-05	0.00E+00	1.83E-05	0.00E+00
C35	Maneuvering	Point	810477.3	824626.5	0	9	795	8	0.15	0700-2300	3.46E-04	0.00E+00	5.44E-06	0.00E+00	1.88E-05	0.00E+00	1.83E-05	0.00E+00
C36	Maneuvering	Point	810457.5	824629.1	0	9	795	8	0.15	0700-2300	3.46E-04	0.00E+00	5.44E-06	0.00E+00	1.88E-05	0.00E+00	1.83E-05	0.00E+00
C37	Maneuvering	Point	810437.7	824632.1	0	9	795	8	0.15	0700-2300	3.46E-04	0.00E+00	5.44E-06	0.00E+00	1.88E-05	0.00E+00	1.83E-05	0.00E+00
C38	Maneuvering	Point	810418.5	824637.6	0	9	795	8	0.15	0700-2300	3.46E-04	0.00E+00	5.44E-06	0.00E+00	1.88E-05	0.00E+00	1.83E-05	0.00E+00
C39	Maneuvering	Point	810415.8	824638.4	0	9	795	8	0.15	0700-2300	3.46E-04	0.00E+00	5.44E-06	0.00E+00	1.88E-05	0.00E+00	1.83E-05	0.00E+00

Annex A1 - Emission Inventory for Marine Vessels (for annual NO_2 assessment)

Source ID	Description	Source Type	Coordinates		Base Elevation	Height	Stack Temp	Stack Velocity	Stack Diameter	Working Hour	NOx Emission Rate	
			X1	Y1							0700 - 2300	2300 - 0700
			m	m	m	m	K	m/s	m		g/s	g/s
B1_B	Berthing	Point	811058.8	824834.9	0	15	803	8	0.3	24 hours	4.48E-02	5.97E-02
B2_B	Berthing	Point	810923.2	824925.7	0	15	803	8	0.3	24 hours	4.48E-02	5.97E-02
B3_B	Berthing	Point	810786.6	825019.0	0	15	803	8	0.3	24 hours	4.48E-02	5.97E-02
IB1_B	Berthing	Point	810853.6	824979.3	0	9	795	8	0.15	0700-2300	2.42E-03	0.00E+00
IB2_B	Berthing	Point	810989.7	824887.2	0	9	795	8	0.15	0700-2300	2.42E-03	0.00E+00
B	Berthing	Point	811124.7	824794.9	0	9	795	8	0.15	0700-2300	2.30E-02	0.00E+00
M1	Maneuvering	Point	810906.9	824905.6	0	9	795	8	0.15	0700-2300	2.31E-05	0.00E+00
M2	Maneuvering	Point	810900.1	824885.7	0	9	795	8	0.15	0700-2300	2.31E-05	0.00E+00
M3	Maneuvering	Point	810894.3	824865.9	0	9	795	8	0.15	0700-2300	2.31E-05	0.00E+00
M4	Maneuvering	Point	810891.9	824845.1	0	9	795	8	0.15	0700-2300	2.31E-05	0.00E+00
M5	Maneuvering	Point	810890.9	824824.4	0	9	795	8	0.15	0700-2300	2.31E-05	0.00E+00
M6	Maneuvering	Point	810890.9	824803.4	0	9	795	8	0.15	0700-2300	2.31E-05	0.00E+00
M7	Maneuvering	Point	810892.0	824782.8	0	9	795	8	0.15	0700-2300	2.31E-05	0.00E+00
M8	Maneuvering	Point	810896.1	824762.3	0	9	795	8	0.15	0700-2300	2.31E-05	0.00E+00
M9	Maneuvering	Point	810900.2	824742.0	0	9	795	8	0.15	0700-2300	2.31E-05	0.00E+00
M10	Maneuvering	Point	810908.8	824722.8	0	9	795	8	0.15	0700-2300	2.31E-05	0.00E+00
M11	Maneuvering	Point	810917.5	824703.7	0	9	795	8	0.15	0700-2300	2.31E-05	0.00E+00
M12	Maneuvering	Point	810926.1	824684.9	0	9	795	8	0.15	0700-2300	2.31E-05	0.00E+00
M13	Maneuvering	Point	810936.2	824666.4	0	9	795	8	0.15	0700-2300	2.31E-05	0.00E+00
M14	Maneuvering	Point	810946.2	824648.0	0	9	795	8	0.15	0700-2300	2.31E-05	0.00E+00
M15	Maneuvering	Point	810957.0	824630.3	0	9	795	8	0.15	0700-2300	2.31E-05	0.00E+00
M16	Maneuvering	Point	810968.6	824612.9	0	9	795	8	0.15	0700-2300	2.31E-05	0.00E+00
M17	Maneuvering	Point	810980.3	824595.4	0	9	795	8	0.15	0700-2300	2.31E-05	0.00E+00
M18	Maneuvering	Point	810991.9	824578.3	0	9	795	8	0.15	0700-2300	2.31E-05	0.00E+00
M19	Maneuvering	Point	811004.6	824561.5	0	9	795	8	0.15	0700-2300	2.31E-05	0.00E+00
M20	Maneuvering	Point	811017.2	824544.8	0	9	795	8	0.15	0700-2300	2.31E-05	0.00E+00
M21	Maneuvering	Point	811030.0	824528.5	0	9	795	8	0.15	0700-2300	2.31E-05	0.00E+00
M22	Maneuvering	Point	811044.0	824512.9	0	9	795	8	0.15	0700-2300	2.31E-05	0.00E+00
M23	Maneuvering	Point	811058.1	824497.2	0	9	795	8	0.15	0700-2300	2.31E-05	0.00E+00
M24	Maneuvering	Point	811072.1	824481.6	0	9	795	8	0.15	0700-2300	2.31E-05	0.00E+00
M25	Maneuvering	Point	811086.6	824466.9	0	9	795	8	0.15	0700-2300	2.31E-05	0.00E+00
M26	Maneuvering	Point	811101.5	824452.1	0	9	795	8	0.15	0700-2300	2.31E-05	0.00E+00
M27	Maneuvering	Point	811116.3	824437.2	0	9	795	8	0.15	0700-2300	2.31E-05	0.00E+00
M28	Maneuvering	Point	811131.1	824422.7	0	9	795	8	0.15	0700-2300	2.31E-05	0.00E+00
M29	Maneuvering	Point	811146.2	824408.1	0	9	795	8	0.15	0700-2300	2.31E-05	0.00E+00
M30	Maneuvering	Point	811161.2	824393.5	0	9	795	8	0.15	0700-2300	2.31E-05	0.00E+00
M31	Maneuvering	Point	811176.3	824379.2	0	9	795	8	0.15	0700-2300	2.31E-05	0.00E+00
M32	Maneuvering	Point	811191.6	824364.9	0	9	795	8	0.15	0700-2300	2.31E-05	0.00E+00
M33	Maneuvering	Point	811206.8	824350.8	0	9	795	8	0.15	0700-2300	2.31E-05	0.00E+00
M34	Maneuvering	Point	811222.8	824337.2	0	9	795	8	0.15	0700-2300	2.31E-05	0.00E+00
M35	Maneuvering	Point	811237.7	824324.5	0	9	795	8	0.15	0700-2300	2.31E-05	0.00E+00
M36	Maneuvering	Point	810906.9	824905.6	0	15	803	8	0.3	24 hours	7.16E-03	9.55E-03
M37	Maneuvering	Point	810890.9	824892.0	0	15	803	8	0.3	24 hours	7.16E-03	9.55E-03
M38	Maneuvering	Point	810873.5	824881.4	0	15	803	8	0.3	24 hours	7.16E-03	9.55E-03
M39	Maneuvering	Point	810853.9	824873.9	0	15	803	8	0.3	24 hours	7.16E-03	9.55E-03
M40	Maneuvering	Point	810833.7	824869.4	0	15	803	8	0.3	24 hours	7.16E-03	9.55E-03
M41	Maneuvering	Point	810813.0	824865.9	0	15	803	8	0.3	24 hours	7.16E-03	9.55E-03
M42	Maneuvering	Point	810792.4	824864.8	0	15	803	8	0.3	24 hours	7.16E-03	9.55E-03
M43	Maneuvering	Point	810771.4	824864.2	0	15	803	8	0.3	24 hours	7.16E-03	9.55E-03
M44	Maneuvering	Point	810750.7	824863.6	0	15	803	8	0.3	24 hours	7.16E-03	9.55E-03
M45	Maneuvering	Point	810729.7	824863.2	0	15	803	8	0.3	24 hours	7.16E-03	9.55E-03
M46	Maneuvering	Point	810708.7	824862.7	0	15	803	8	0.3	24 hours	7.16E-03	9.55E-03
M47	Maneuvering	Point	810687.7	824862.2	0	15	803	8	0.3	24 hours	7.16E-03	9.55E-03
M48	Maneuvering	Point	810667.0	824862.5	0	15	803	8	0.3	24 hours	7.16E-03	9.55E-03
M49	Maneuvering	Point	810646.0	824863.0	0	15	803	8	0.3	24 hours	7.16E-03	9.55E-03
M50	Maneuvering	Point	810625.0	824863.6	0	15	803	8	0.3	24 hours	7.16E-03	9.55E-03
M51	Maneuvering	Point	810604.3	824864.0	0	15	803	8	0.3	24 hours	7.16E-03	9.55E-03
M52	Maneuvering	Point	810583.3	824864.5	0	15	803	8	0.3	24 hours	7.16E-03	9.55E-03
M53	Maneuvering	Point	810562.3	824864.9	0	15	803	8	0.3	24 hours	7.16E-03	9.55E-03
M54	Maneuvering	Point	810541.4	824865.3	0	15	803	8	0.3	24 hours	7.16E-03	9.55E-03
M55	Maneuvering	Point	810520.8	824867.9	0	15	803	8	0.3	24 hours	7.16E-03	9.55E-03
M56	Maneuvering	Point	810500.0	824870.6	0	15	803	8	0.3	24 hours	7.16E-03	9.55E-03
M57	Maneuvering	Point	810479.8	824875.0	0	15	803	8	0.3	24 hours	7.16E-03	9.55E-03
M58	Maneuvering	Point	810459.6	824880.8	0	15	803	8	0.3	24 hours	7.16E-03	9.55E-03
M59	Maneuvering	Point	810439.8	824886.7	0	15	803	8	0.3	24 hours	7.16E-03	9.55E-03
M60	Maneuvering	Point	810420.7	824895.3	0	15	803	8	0.3	24 hours	7.16E-03	9.55E-03
M61	Maneuvering	Point	810401.5	824904.0	0	15	803	8	0.3	24 hours	7.16E-03	9.55E-03
M62	Maneuvering	Point	810382.9	824913.0	0	15	803	8	0.3	24 hours	7.16E-03	9.55E-03
M63	Maneuvering	Point	810364.4	824922.9	0	15	803	8	0.3	24 hours	7.16E-03	9.55E-03
M64	Maneuvering	Point	810345.8	824932.7	0	15	803	8	0.3	24 hours	7.16E-03	9.55E-03
M65	Maneuvering	Point	810328.1	824943.4	0	15	803	8	0.3	24 hours	7.16E-03	9.55E-03
M66	Maneuvering	Point	810310.3	824954.5	0	15	803	8	0.3	24 hours	7.16E-03	9.55E-03
M67	Maneuvering	Point	810292.7	824965.4	0	15	803	8	0.3	24 hours	7.16E-03	9.55E-03
M68	Maneuvering	Point	810275.0	824976.7	0	15	803	8	0.3	24 hours	7.16E-03	9.55E-03
M69	Maneuvering	Point	810257.7	824988.0	0	15	803	8	0.3	24 hours	7.16E-03	9.55E-03
M70	Maneuvering	Point	810241.6	825001.5	0	15	803	8	0.3	24 hours	7.16E-03	9.55E-03
M71	Maneuvering	Point	810237.6	825004.9	0	15	803	8	0.3	24 hours	7.16E-03	9.55E-03
C1	Maneuvering	Point	811110.4	824767.0	0	9	795	8	0.15	0700-2300	9.84E-05	0.00E+00
C2	Maneuvering	Point	811096.8	824752.4	0	9	795	8	0.15	0700-2300	9.84E-05	0.00E+00
C3	Maneuvering	Point	811083.1	824737.7	0	9	795	8	0.15	0700-2300	9.84E-05	0.00E+00
C4	Maneuvering	Point	811069.5	824723.1	0	9	795	8	0.15	0700-2300	9.84E-05	0.00E+00
C5	Maneuvering	Point	811054.7	824709.7	0	9	795	8	0.15	0700-2300	9.84E-05	0.00E+00
C6	Maneuvering	Point	811039.5	824696.7	0	9	795	8	0.15	0700-2300	9.84E-05	0.00E+00

Annex A1 - Emission Inventory for Marine Vessels (for annual NO_2 assessment)

Source ID	Description	Source Type	Coordinates		Base Elevation	Height	Stack Temp	Stack Velocity	Stack Diameter	Working Hour	NOx Emission Rate	
			X1	Y1							0700 - 2300	2300 - 0700
			m	m	m	m	K	m/s	m		g/s	g/s
C7	Maneuvering	Point	811024.3	824683.7	0	9	795	8	0.15	0700-2300	9.84E-05	0.00E+00
C8	Maneuvering	Point	811009.0	824670.8	0	9	795	8	0.15	0700-2300	9.84E-05	0.00E+00
C9	Maneuvering	Point	810990.3	824663.7	0	9	795	8	0.15	0700-2300	9.84E-05	0.00E+00
C10	Maneuvering	Point	810971.6	824656.6	0	9	795	8	0.15	0700-2300	9.84E-05	0.00E+00
C11	Maneuvering	Point	810952.9	824649.5	0	9	795	8	0.15	0700-2300	9.84E-05	0.00E+00
C12	Maneuvering	Point	810934.2	824642.3	0	9	795	8	0.15	0700-2300	9.84E-05	0.00E+00
C13	Maneuvering	Point	810915.6	824635.2	0	9	795	8	0.15	0700-2300	9.84E-05	0.00E+00
C14	Maneuvering	Point	810896.0	824631.4	0	9	795	8	0.15	0700-2300	9.84E-05	0.00E+00
C15	Maneuvering	Point	810876.3	824628.1	0	9	795	8	0.15	0700-2300	9.84E-05	0.00E+00
C16	Maneuvering	Point	810856.5	824624.8	0	9	795	8	0.15	0700-2300	9.84E-05	0.00E+00
C17	Maneuvering	Point	810836.8	824621.5	0	9	795	8	0.15	0700-2300	9.84E-05	0.00E+00
C18	Maneuvering	Point	810816.9	824620.4	0	9	795	8	0.15	0700-2300	9.84E-05	0.00E+00
C19	Maneuvering	Point	810796.9	824619.9	0	9	795	8	0.15	0700-2300	9.84E-05	0.00E+00
C20	Maneuvering	Point	810776.9	824619.3	0	9	795	8	0.15	0700-2300	9.84E-05	0.00E+00
C21	Maneuvering	Point	810756.9	824618.7	0	9	795	8	0.15	0700-2300	9.84E-05	0.00E+00
C22	Maneuvering	Point	810736.9	824618.3	0	9	795	8	0.15	0700-2300	9.84E-05	0.00E+00
C23	Maneuvering	Point	810716.9	824617.8	0	9	795	8	0.15	0700-2300	9.84E-05	0.00E+00
C24	Maneuvering	Point	810696.9	824617.4	0	9	795	8	0.15	0700-2300	9.84E-05	0.00E+00
C25	Maneuvering	Point	810676.9	824617.1	0	9	795	8	0.15	0700-2300	9.84E-05	0.00E+00
C26	Maneuvering	Point	810656.9	824617.7	0	9	795	8	0.15	0700-2300	9.84E-05	0.00E+00
C27	Maneuvering	Point	810636.9	824618.2	0	9	795	8	0.15	0700-2300	9.84E-05	0.00E+00
C28	Maneuvering	Point	810616.9	824618.7	0	9	795	8	0.15	0700-2300	9.84E-05	0.00E+00
C29	Maneuvering	Point	810596.9	824619.1	0	9	795	8	0.15	0700-2300	9.84E-05	0.00E+00
C30	Maneuvering	Point	810576.9	824619.5	0	9	795	8	0.15	0700-2300	9.84E-05	0.00E+00
C31	Maneuvering	Point	810556.9	824619.9	0	9	795	8	0.15	0700-2300	9.84E-05	0.00E+00
C32	Maneuvering	Point	810536.9	824620.4	0	9	795	8	0.15	0700-2300	9.84E-05	0.00E+00
C33	Maneuvering	Point	810517.0	824621.4	0	9	795	8	0.15	0700-2300	9.84E-05	0.00E+00
C34	Maneuvering	Point	810497.1	824623.9	0	9	795	8	0.15	0700-2300	9.84E-05	0.00E+00
C35	Maneuvering	Point	810477.3	824626.5	0	9	795	8	0.15	0700-2300	9.84E-05	0.00E+00
C36	Maneuvering	Point	810457.5	824629.1	0	9	795	8	0.15	0700-2300	9.84E-05	0.00E+00
C37	Maneuvering	Point	810437.7	824632.1	0	9	795	8	0.15	0700-2300	9.84E-05	0.00E+00
C38	Maneuvering	Point	810418.5	824637.6	0	9	795	8	0.15	0700-2300	9.84E-05	0.00E+00
C39	Maneuvering	Point	810415.8	824638.4	0	9	795	8	0.15	0700-2300	9.84E-05	0.00E+00

Annex A1 - Plant Emission Inventory

Source ID	Description	Source Type	Coordinates		Base Elevation	Height	Stack Temp	Stack Velocity	Stack Diameter	Working Hour	Engine Power	Fuel Consumption	NOx	SO2	RSP	FSP
			X1	Y1												
			m	m	m	m	K	m/s	m		kW	L/hr	g/s	g/s	g/s	g/s
Gen1	C&DMSF Generator	Point	811165.8	824903.1	5	1.5	362	56.6	0.075	0800-2000	400	42	4.44E-01	1.28E-03	2.22E-02	2.22E-02
Gen2	C&DMCF	Point	811192.7	825061.7	15	1.9	773	30.8	0.1	0700-2300	168	50	1.87E-01	1.52E-03	9.33E-03	9.33E-03

Notes:

(a) NOx and RSP emission rates were calculated based on the engine power output and NOx and RSP emission factors from European Union Stage IIIA Standard specified under the Air Pollution Control (Non-road Mobile Machinery)(Emission) Regulation. FSP emission rate was assumed the same as RSP emission rate for conservative assessment.

(b) SO2 emission rate was calculated based on plant fuel consumption and the SO2 emission factor for diesel industrial engines from Table 3.3-1, Section 3.3 (Gasoline and Diesel Industrial Engines), AP-42 Vol 1. With reference to Table 5 of "Exhaust Emissions from Uncontrolled Vehicles and Related Equipment Using Internal Combustion Engines, Part 5: Farm, Construction, and Industrial Engines" published by USEPA, the SO2 emission factors for diesel industrial engines provided in AP-42 were estimated based on a fuel sulphur content of 0.22% for diesel fuel. Therefore, the SO2 emission factors adopted in this assessment have been corrected based on a sulphur content of 0.005% for ULSD in Hong Kong. Energy content of diesel fuel was assumed to be 38.6 MJ/L.

Annex A2

Emission Inventory of Adjacent Industrial Emission Sources

Annex A2 - Emission Inventory for Stack Emission Sources in the Vicinity of TMFB

Sources	Model Input ID	X	Y	Elevation	TSP Emission	RSP Emission	FSP Emission	NOx Emission	SO2 Emission	Discharge Height	Temp	Exit Velocity	Diameter	X-length	Y-length	Angle	Operation Hour
				m	g/s or g/m^2/s	g/s or g/m^2/s	g/s or g/m^2/s	g/s	g/s	m	K	m/s	m	m	m	degree	
Green Island Cement	G1	810021.8	825547.4	0		0.17944	0.17944			17.2	0	6.5	1.95				24 hours
Green Island Cement	G2	810032.1	825542.4	0		0.17944	0.17944			17.2	0	6.5	1.95				24 hours
Green Island Cement	G3	810088.4	825511.2	0		0.02389	0.02389			16	0	16.8	0.44				24 hours
Green Island Cement	G4	810187.9	825609.7	0		0.04806	0.04806			30	0	18.1	0.60				24 hours
Green Island Cement	G5	810142.3	825556.0	0		0.04806	0.04806			32	0	14.9	0.67				24 hours
Green Island Cement	G6	810188.5	825602.5	0		0.08694	0.08694			39.1	0	21.4	0.75				24 hours
Green Island Cement	G7	810175.4	825610.7	0		0.01528	0.01528			32.8	0	17.9	0.34				24 hours
Green Island Cement	G8	810193.5	825587.0	0		0.01194	0.01194			17.6	0	10.6	0.39				24 hours
Green Island Cement	G9	810171.7	825752.4	0		0.03972	0.03972			59.8	343	19.2	0.58				24 hours
Green Island Cement	G10	810168.4	825764.6	0		0.00417	0.00417			17	343	13.6	0.22				24 hours
Green Island Cement	G11	810369.3	825839.0	0		0.01806	0.01806			24.5	0	21.9	0.34				24 hours
Green Island Cement	G12	810373.4	825838.0	0		0.02250	0.02250			39.2	0	19.9	0.39				24 hours
Green Island Cement	G13	810369.2	825864.0	0		0.01444	0.01444			61.1	0	17.3	0.34				24 hours
Green Island Cement	G14	810344.1	825880.2	0		0.05472	0.05472			61.1	0	20.8	0.60				24 hours
Green Island Cement	G15	810413.4	825873.1	0		0.14917	0.14917			24.5	366	34.3	0.86				24 hours
Green Island Cement	G16	810372.9	825862.8	0		0.05056	0.05056			34.4	366	24.0	0.60				24 hours
Green Island Cement	G17	810389.9	825914.8	0		0.14917	0.14917			25.5	366	34.3	0.86				24 hours
Green Island Cement	G18	810366.7	825873.4	0		0.04806	0.04806			34.4	366	22.8	0.60				24 hours
Green Island Cement	G19	810364.4	825877.3	0		0.00611	0.00611			25.5	343	20.6	0.21				24 hours
Green Island Cement	G20	810388.9	825914.2	0		0.14917	0.14917			24.5	366	34.3	0.86				24 hours
Green Island Cement	G21	810356.1	825891.6	0		0.04806	0.04806			34.4	366	22.8	0.60				24 hours
Green Island Cement	G22	810213.0	825975.3	0		0.06778	0.06778			85.7	333	22.7	0.68				24 hours
Green Island Cement	G23	810220.6	825966.7	0		0.05833	0.05833			85.7	333	19.6	0.68				24 hours
Green Island Cement	G24	810203.8	825973.9	0		0.05833	0.05833			85.7	333	19.6	0.68				24 hours
Green Island Cement	G25	810212.5	825950.6	0		0.05833	0.05833			85.7	333	19.6	0.68				24 hours
Green Island Cement	G26	810202.5	825971.4	0		0.01944	0.01944			85.7	333	18.2	0.41				24 hours
Green Island Cement	G27	810232.2	825930.9	0		0.03750	0.03750			30.3	333	18.4	0.60				24 hours
Green Island Cement	G28	810216.2	825921.7	0		0.03750	0.03750			30.3	333	18.4	0.60				24 hours
Green Island Cement	G29	810192.2	825962.5	0		0.01944	0.01944			13	333	10.3	0.54				24 hours
Green Island Cement	G30	810195.2	825957.4	0		0.01944	0.01944			13	333	10.3	0.54				24 hours
Green Island Cement	G31	810198.3	825951.9	0		0.03694	0.03694			13	333	19.4	0.54				24 hours
Green Island Cement	G32	810201.2	825947.0	0		0.03694	0.03694			13	333	19.4	0.54				24 hours
Green Island Cement	G33	809940.1	825669.1	0		0.01472	0.01472			16.9	333	20.7	0.33				24 hours
Green Island Cement	G34	809935.3	825692.2	0		0.03556	0.03556			29	333	18.7	0.54				24 hours
Green Island Cement	G35	810223.6	825926.0	0		0.04528	0.04528			30.2	333	19.2	0.60				24 hours
Green Island Cement	G36	810359.9	825885.2	0		0.01194	0.01194			20	366	11.7	0.42				24 hours
Green Island Cement	G39	810150.8	825630.4	0		0.01528	0.01528			28.6	0	16.8	0.36				24 hours
Green Island Cement	G40	810244.9	825722.8	0		0.01111	0.01111			57.6	0	17.6	0.29				24 hours
Green Island Cement	G41	810228.0	825742.9	0		0.03861	0.03861			40.3	343	19.9	0.56				24 hours
Green Island Cement	G42	810192.1	825701.2	0		0.04139	0.04139			45.7	343	17.9	0.61				24 hours
Green Island Cement	G43	810175.5	825730.0	0		0.02306	0.02306			53.3	343	18.3	0.45				24 hours
Green Island Cement	G44	810198.8	825745.2	0		0.06472	0.06472			53.8	343	18.1	0.76				24 hours
Green Island Cement	G45	810189.3	825704.2	0		0.00806	0.00806			35.5	343	19.1	0.26				24 hours
Green Island Cement	G47	810198.0	825722.5	0		0.02778	0.02778			19.5	343	18.0	0.50				24 hours
Green Island Cement	G48	810131.3	825558.0	0		0.03583	0.03583			17.4	0	14.4	0.59				24 hours
Green Island Cement	G50	810209.8	825977.3	0		0.00472	0.00472			24.7	343	9.3	0.29				24 hours
Green Island Cement	G51	810371.3	825809.0	0		0.13583	0.13583			26.4	0	13.0	1.20				24 hours
Green Island Cement	G52	810374.8	825838.8	0		0.03583	0.03583			30.9	0	10.1	0.70				24 hours
Green Island Cement	G56	810249.8	825775.5	0		0.08083	0.08083			72.2	338	5.0	1.60				24 hours
Green Island Cement	G57	810324.8	825844.4	0		0.34444	0.34444			31.2	561	26.9	1.59				24 hours
Green Island Cement	G58	810254.7	825771.9	0		2.22222	2.22222	111.6667	27.78	113	383	20.6	3.10				24 hours
Green Island Cement	G60	810228.2	825768.7	0		0.13139	0.13139			113	338	14.0	1.19				24 hours
Green Island Cement	G61	810227.3	825940.6	0		0.06139	0.06139			32	0	13.3	0.80				24 hours
Green Island Cement	G62	809945.8	825584.7	0		0.17944	0.17944			17.2	0	6.5	1.95				24 hours
Green Island Cement	G63	809935.5	825589.8	0		0.17944	0.17944			17.2	0	6.5	1.95				24 hours
Green Island Cement	G66	810374.5	825853.2	0		0.03056	0.03056			63	0	14.2	0.57				24 hours
Green Island Cement	G67	810166.7	825747.9	0		0.02278	0.02278			27.8	343	12.7	0.60				24 hours
Green Island Cement	G68	810165.5	825695.2	0		0.02278	0.02278			29.8	343	12.7	0.60				24 hours
Green Island Cement	G69	810332.9	825821.6	0		0.09250	0.09250			15.5	383	30.3	0.28				24 hours
Green Island Cement	G70	809945.8	825703.8	0		0.05889	0.05889			25.9	333	10.5	0.60				24 hours
Green Island Cement	G71	809932.9	825674.1	0		0.01222	0.01222			24.2	333	5.3	0.60				24 hours
Green Island Cement	G72	810237.3	825945.6	0		0.03194	0.03194			16.9	333	13.8	0.60				24 hours
Green Island Cement	G73	810351.9	825859.6	0		0.04389	0.04389			78.8	363	2.3	1.85				24 hours
Green Island Cement	G75	810029.4	825616.1	0		0.00889	0.00889			2.9	333	39.7	0.23				24 hours
Shiu Wing Steel Mill	SW1	810243.3	825593.1	5		3.4194	3.4194	17.1		50	367	15.2	6.2				24 hours
Shiu Wing Steel Mill	SW2	810297.4	825653.9	5		0.7	0.7	0.4556	0.000161	35	325	15.7	2.6				24 hours
Shiu Wing Steel Mill	SW3	810309.5	825446.3	5		0.4639	0.4639	3.717	0.1222	50	813	10.3	1.85				24 hours
Shiu Wing Steel Mill	SW4	810270.3	825626.3	5		0.0088	0.0088			16	303	10.8	0.339				24 hours
Shiu Wing Steel Mill	SW5	810293.4	825601.8	5		0.0047	0.0047			16	303	5.9	0.339				24 hours

Annex A2 - Emission Inventory for Stack Emission Sources in the Vicinity of TMFB

Sources	Model Input ID	X	Y	Elevation	TSP Emission	RSP Emission	FSP Emission	NOx Emission	SO2 Emission	Discharge Height	Temp	Exit Velocity	Diameter	X-length	Y-length	Angle	Operation Hour
				m	g/s or g/m^2/s	g/s or g/m^2/s	g/s or g/m^2/s	g/s	g/s	m	K	m/s	m	m	m	degree	
Shiu Wing Steel Mill	SW6	810336.7	825692.5	5		0.0511	0.0511	0.7194	0.04806	7	753	14.9	0.16				24 hours
EcoPark_WEEE [b]	WEEE	810983.0	825412.0	5		0.0025	0.0025	0.0296	0.0009	13.2	463	7.19	0.15				24 hours
EcoPark_SSK [c]	SSK	810768.0	825253.0	5		0.034	0.0255	0.99	0.46	30	353	16.9	1.8				0700-1900
EcoPark_K Wah	KW1	810880.6	825301.2	5	0.0061	0.0061	0.0061			18	298	12.2	0.25				0700-1900
EcoPark_K Wah	KW2	810890.4	825301.0	5	0.0061	0.0061	0.0061			18	298	12.2	0.25				0700-1900
EcoPark_K Wah	KW3	810894.6	825297.3	5	0.0061	0.0061	0.0061			18	298	12.2	0.25				0700-1900
EcoPark_K Wah	KW4	810919.8	825269.8	5	4.46E-05	2.16E-05	6.68E-06			5.5				4.80	25.00	38.10	0700-1900 (100%)1900-0700 (50%)
EcoPark_K Wah	KW5	810926.5	825297.1	5	6.76E-06	3.14E-06	1.02E-06			3				2.30	3.60	38.10	0700-1900 (100%)1900-0700 (50%)
EcoPark_K Wah	KW8	810901.0	825323.0	5	4.73E-05	2.26E-05	6.17E-06			0				4.30	11.30	38.10	0700-1900 (100%)1900-0700 (50%)
EcoPark_K Wah	KW9	810910.9	825314.7	5	3.58E-05	1.75E-05	5.41E-06			0				13.00	18.50	38.11	0700-1900 (100%)1900-0700 (50%)
EcoPark_K Wah	KW10_1	810854.0	825319.0	5	4.30E-05	8.04E-06	1.94E-06			0				3.50	26.30	68.70	0700-1900 (100%)1900-0700 (30%)
EcoPark_K Wah	KW10_2	810877.9	825325.2	5	4.29E-05	8.04E-06	1.94E-06			0				50.00	3.50	37.80	0700-1900 (100%)1900-0700 (30%)
EcoPark_K Wah	KW11	810883.8	825295.6	5	4.20E-03	4.20E-03	4.20E-03			9.4	298	4.3	0.35				24 hours
EcoPark_K Wah	KW12	810886.8	825293.1	5	4.20E-03	4.20E-03	4.20E-03			9.4	298	4.3	0.35				24 hours
EcoPark_K Wah	KW13	810927.5	825301.0	5	2.52E-04	1.19E-04	1.80E-05			0				13.30	5.30	38.14	0700-1900 (100%)1900-0700 (50%)
EcoPark_K Wah	KW14	810933.8	825304.8	5	2.52E-04	1.19E-04	1.80E-05			0				13.30	5.30	38.14	0700-1900 (100%)1900-0700 (50%)
EcoPark_K Wah	KW15	810926.5	825286.5	5	7.27E-04	3.53E-04	1.09E-04			3				3.00	3.00	38.10	0700-1900 (100%)1900-0700 (50%)
EcoPark_K Wah	KW16	810929.3	825294.6	5	0.0122	0.0122	0.0122			2.5	298	17.3	0.30				24 hours
EcoPark_Biochar [e]	T8-11	810773.7	825590.0	5	0.01417	0.01417	0.01417	0.17		13	433	20.0	0.30				24 hours

Note:

(a) Emissions for Green Island Cement and Shiu Wing Steel Mill are referenced from the Approved Additional Gas-fired Generation Units Project (AEIAR-197/2016)

(b) Emissions from WEEE-park at EcoPark are referenced from the Supporting Information for Design Audit for Proposed Boilers for WEEE Treatment Facility at EcoPark (October 2017). The stack of WEEE-park was assumed to operate 24 hours in the assessment.

(c) Emissions for SSK at EcoPark is referenced from the Air Pollution Control Plan of its Specified Process Licence (L-17-004(1)).

(d) Emissions for K Wah at EcoPark is referenced from the Air Pollution Control Plan of its Specified Process Licence (L-3-241(2)). The area sources are fugitive dust sources and thus dry deposition was considered in the model with particle size distributions based on the ratios of the TSP, RSP and FSP emission rates.

(e) Emissions for the proposed Biochar system are provided by WRG of EPD.

Annex A3

Vehicular Emissions from External and Internal Roads

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

Pollutant Name: NO2

Speed	PC	LGV3	LGV4	PLB	LGV6	HGV7	HGV8	HGV8b	FBDD	MC	TAXI	PV4	PV5	NFB6	NFB7	NFB8	FBSD
km/hr	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL
10	0.008	0.262	0.232	0.233	1.049	1.842	1.213	1.189	2.004	0.031	0.033	0.195	0.698	1.618	2.961	1.456	0.492
17	0.006	0.202	0.178	0.167	0.815	1.364	0.813	0.805	1.283	0.029	0.025	0.147	0.495	1.145	2.188	0.981	0.347
18	0.006	0.196	0.173	0.161	0.793	1.320	0.779	0.772	1.226	0.028	0.025	0.142	0.477	1.104	2.118	0.940	0.334
27	0.005	0.160	0.139	0.125	0.652	1.048	0.573	0.573	0.899	0.026	0.020	0.110	0.366	0.848	1.681	0.695	0.256
28	0.005	0.157	0.136	0.122	0.641	1.026	0.557	0.558	0.875	0.026	0.020	0.107	0.358	0.828	1.646	0.677	0.250
29	0.005	0.155	0.133	0.119	0.630	1.006	0.543	0.544	0.853	0.026	0.020	0.105	0.350	0.809	1.614	0.659	0.245
30	0.005	0.152	0.130	0.117	0.620	0.987	0.529	0.531	0.832	0.026	0.020	0.102	0.342	0.791	1.583	0.643	0.239
31	0.004	0.149	0.127	0.114	0.608	0.967	0.516	0.518	0.812	0.026	0.019	0.097	0.335	0.775	1.553	0.628	0.234
32	0.004	0.147	0.125	0.112	0.599	0.949	0.504	0.506	0.793	0.026	0.019	0.095	0.328	0.759	1.525	0.614	0.230
33	0.004	0.144	0.122	0.110	0.590	0.933	0.493	0.495	0.776	0.025	0.019	0.093	0.322	0.744	1.498	0.600	0.225
34	0.004	0.142	0.120	0.108	0.582	0.917	0.482	0.484	0.759	0.025	0.019	0.091	0.315	0.730	1.473	0.587	0.221
35	0.004	0.140	0.118	0.106	0.573	0.902	0.472	0.474	0.743	0.025	0.018	0.089	0.309	0.716	1.449	0.575	0.217
36	0.004	0.138	0.117	0.104	0.566	0.888	0.462	0.464	0.728	0.025	0.018	0.087	0.304	0.703	1.426	0.564	0.213
37	0.004	0.137	0.115	0.102	0.558	0.874	0.453	0.455	0.714	0.025	0.018	0.086	0.298	0.690	1.404	0.553	0.210
38	0.004	0.135	0.113	0.100	0.551	0.861	0.444	0.446	0.701	0.025	0.018	0.084	0.293	0.679	1.383	0.542	0.206
39	0.004	0.133	0.111	0.099	0.544	0.848	0.436	0.438	0.688	0.025	0.018	0.083	0.288	0.667	1.362	0.532	0.203
40	0.004	0.131	0.110	0.097	0.537	0.836	0.428	0.430	0.675	0.024	0.017	0.081	0.284	0.656	1.343	0.523	0.200
41	0.004	0.130	0.108	0.096	0.531	0.824	0.420	0.422	0.664	0.024	0.017	0.080	0.279	0.646	1.324	0.514	0.197
42	0.004	0.128	0.107	0.094	0.525	0.813	0.413	0.415	0.652	0.024	0.017	0.079	0.275	0.636	1.306	0.505	0.194
43	0.004	0.127	0.106	0.093	0.519	0.802	0.406	0.407	0.642	0.024	0.017	0.077	0.271	0.626	1.289	0.497	0.191
44	0.004	0.126	0.104	0.091	0.513	0.792	0.399	0.401	0.631	0.024	0.017	0.076	0.267	0.617	1.272	0.489	0.188
45	0.004	0.124	0.103	0.090	0.508	0.782	0.393	0.394	0.621	0.024	0.017	0.075	0.263	0.608	1.256	0.481	0.186
50	0.004	0.118	0.097	0.084	0.482	0.736	0.364	0.365	0.577	0.024	0.016	0.070	0.245	0.568	1.183	0.448	0.174
51	0.004	0.117	0.096	0.083	0.478	0.728	0.359	0.359	0.573	0.024	0.016	0.069	0.242	0.560	1.170	0.442	0.172
52	0.004	0.116	0.095	0.082	0.473	0.720	0.354	0.354	0.569	0.024	0.016	0.068	0.239	0.553	1.157	0.436	0.170
53	0.004	0.115	0.094	0.081	0.469	0.712	0.349	0.349	0.566	0.024	0.016	0.067	0.236	0.546	1.145	0.430	0.168
54	0.004	0.114	0.094	0.080	0.465	0.705	0.345	0.345	0.562	0.023	0.015	0.067	0.234	0.540	1.133	0.425	0.167

EMFAC-HK Model (v 4.2) Key Assumptions:

Mode: EMFAC

Calendar Year: 2019

Temperature and relative humidity: 7 degree C (Minimum temperature measured at Tuen Mun Weather Station (Tuen Mun Children and Juvenile Home) in 2020)

Relative Humidity 19% (Minimum relative humidity measured at Tuen Mun Weather Station (Tuen Mun Children and Juvenile Home) in 2020)

Vehicle Population (external traffic): Default (i.e. considering HGV8 emission factors for all external roads and internal roads R1 to R7, R9 and R10)

Vehicle Population (internal traffic): All internal trucks (model year of 2019) are of Euro V standard (i.e. considering HGV8b emission factors for internal roads R11 to R15, R17, R19 to R22)

Vehicle Accrual: Default

Trips: Default (not used. No starting emissions as parking restrictions apply for all identified major roads within the Study Area)

VKT: Default (not used in EMFAC mode)

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

Average Speed

	Road Name	Ref.	Hour by Hour Speed (Km/hr)																							
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1	TM1_Lung Mun Road	1	52	53	53	53	53	53	51	35	28	27	35	41	42	44	41	41	34	29	31	40	40	50	51	52
2	TM2_Unnamed Road to River Trade Terminal	2	18	18	18	18	18	18	18	18	17	17	17	17	17	17	17	17	17	17	17	18	18	18	18	18
3	TM3_Lung Mun Road	3	52	53	53	53	53	53	51	37	35	35	35	44	44	43	41	41	34	29	31	41	44	50	51	52
4	TM5_Lung Mun Road	4	52	53	53	53	53	53	51	35	34	34	33	42	42	42	41	44	33	33	33	34	34	50	51	52
5	TM7_Siu Lang Shui Road	5	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39
6	TM8_Unnamed Road to Cemetery	6	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43
7	TM9_Siu Lang Shui Road	7	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
8	TM10_Lung Fat Street	8	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
9	TM11_Lung Mun Road	9	52	53	53	53	53	53	51	35	34	34	33	42	42	42	41	44	33	33	33	34	34	50	51	52
10	TM12_Unnamed Road to EcoPark	10	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
11	TM13_Lung Yiu Street	11	36	36	36	36	36	36	34	33	33	33	33	33	33	33	33	33	32	32	32	33	33	33	33	36
12	TM14_Lung Mun Road	12	52	53	53	53	53	53	51	35	34	34	33	42	42	42	41	44	33	33	33	34	34	50	51	52
13	TM15_Lung Yiu Street	13	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
14	TM16_Lung Hong Street	14	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44
15	R1_Internal Road	15	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
16	R2_Internal Road	16	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
17	R3_Internal Road	17	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
18	R4_Internal Road	18	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
19	R5_Internal Road	19	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
20	R6_Internal Road	20	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
21	R7_Internal Road	21	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
22	R9_Internal Road	22	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
23	R10_Internal Road	23	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
24	R11_Internal Road	24	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
25	R12_Internal Road	25	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
26	R13_Internal Road	26	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
27	R14_Internal Road	27	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
28	R15_Internal Road	28	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
29	R17_Internal Road	29	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
30	R19_Internal Road	30	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
31	R20_Internal Road	31	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
32	R21_Internal Road	32	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
33	R22_Internal Road	33	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
34	R25_Internal Road	34	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
35	R26_Internal Road	35	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
36	R27_Internal Road	36	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
37	R28_Internal Road	37	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: TM1_Lung Mun Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	16	11	8	5	6	12	32	113	163	176	247	240	209	200	228	223	220	218	236	209	160	51	32	19
2	LGV3	7	5	5	3	3	8	17	29	55	59	76	71	66	63	72	71	70	72	75	66	66	25	13	8
3	LGV4	4	2	2	3	2	7	11	17	36	38	62	58	54	52	59	58	58	59	60	54	54	17	11	6
4	PLB	5	3	2	2	2	2	3	6	10	10	12	11	10	10	11	11	11	11	12	10	8	8	7	6
5	LGV6	4	2	2	3	2	7	11	17	36	38	57	53	50	48	54	53	53	54	55	50	51	20	10	6
6	HGV7	0	0	0	0	0	0	4	20	286	364	274	254	231	225	261	262	268	251	214	16	12	4	0	0
7	HGV8	0	0	0	0	0	0	10	48	666	831	645	590	565	524	632	621	628	588	496	39	28	10	2	0
8	FBDD	2	1	1	0	0	0	2	2	4	4	11	11	9	9	11	11	11	11	11	9	8	7	6	6
9	MC	0	0	0	0	0	0	0	1	1	1	6	6	6	5	6	6	6	6	6	6	5	4	4	4
10	TAXI	9	5	6	4	5	7	15	64	88	96	100	103	92	87	99	97	96	99	102	92	76	34	15	5
11	PV4	1	0	0	0	0	0	0	1	1	1	5	5	4	4	5	5	4	5	5	4	4	4	3	2
12	PV5	1	0	0	0	0	0	0	1	1	1	5	5	4	4	5	5	4	5	5	4	4	4	3	2
13	NFB6	3	1	1	1	1	1	2	3	5	6	16	15	14	13	15	15	15	15	16	14	11	10	9	9
14	NFB7	3	1	1	1	1	1	2	3	5	6	16	15	14	13	15	15	15	15	16	14	11	10	9	9
15	NFB8	3	1	1	1	1	1	2	3	5	6	16	15	14	13	15	15	15	15	16	14	11	10	9	9
16	FBSD	3	1	1	1	1	1	2	3	5	6	13	12	11	11	13	12	12	13	13	11	9	8	8	7
	Total Flow (veh)	61	33	30	24	24	47	113	331	1367	1643	1561	1464	1353	1281	1501	1480	1486	1437	1338	612	518	226	141	98

NO2 emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.005	0.005	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.005	0.004	0.004	0.004	0.004	0.004	0.004
LGV3	0.116	0.115	0.115	0.115	0.115	0.115	0.117	0.140	0.157	0.160	0.140	0.130	0.128	0.126	0.130	0.130	0.142	0.155	0.149	0.131	0.131	0.118	0.117	0.116
LGV4	0.095	0.094	0.094	0.094	0.094	0.094	0.096	0.118	0.136	0.139	0.118	0.108	0.107	0.104	0.108	0.108	0.120	0.133	0.127	0.110	0.110	0.097	0.096	0.095
PLB	0.082	0.081	0.081	0.081	0.081	0.081	0.083	0.106	0.122	0.125	0.106	0.096	0.094	0.091	0.096	0.096	0.108	0.119	0.114	0.097	0.097	0.084	0.083	0.082
LGV6	0.473	0.469	0.469	0.469	0.469	0.469	0.478	0.573	0.641	0.652	0.573	0.531	0.525	0.513	0.531	0.531	0.582	0.630	0.608	0.537	0.537	0.482	0.478	0.473
HGV7	0.720	0.712	0.712	0.712	0.712	0.712	0.728	0.902	1.026	1.048	0.902	0.824	0.813	0.792	0.824	0.824	0.917	1.006	0.967	0.836	0.836	0.736	0.728	0.720
HGV8	0.354	0.349	0.349	0.349	0.349	0.349	0.359	0.472	0.557	0.573	0.472	0.420	0.413	0.399	0.420	0.420	0.482	0.543	0.516	0.428	0.428	0.364	0.359	0.354
FBDD	0.569	0.566	0.566	0.566	0.566	0.566	0.573	0.743	0.875	0.899	0.743	0.664	0.652	0.631	0.664	0.664	0.759	0.853	0.812	0.675	0.675	0.577	0.573	0.569
MC	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.025	0.026	0.026	0.025	0.024	0.024	0.024	0.024	0.024	0.025	0.026	0.026	0.024	0.024	0.024	0.024	0.024
TAXI	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.018	0.020	0.020	0.018	0.017	0.017	0.017	0.017	0.017	0.019	0.020	0.019	0.017	0.017	0.016	0.016	0.016
PV4	0.068	0.067	0.067	0.067	0.067	0.067	0.069	0.089	0.107	0.110	0.089	0.080	0.079	0.076	0.080	0.080	0.091	0.105	0.097	0.081	0.081	0.070	0.069	0.068
PV5	0.239	0.236	0.236	0.236	0.236	0.236	0.242	0.309	0.358	0.366	0.309	0.279	0.275	0.267	0.279	0.279	0.315	0.350	0.335	0.284	0.284	0.245	0.242	0.239
NFB6	0.553	0.546	0.546	0.546	0.546	0.546	0.560	0.716	0.828	0.848	0.716	0.646	0.636	0.617	0.646	0.646	0.730	0.809	0.775	0.656	0.656	0.568	0.560	0.553
NFB7	1.157	1.145	1.145	1.145	1.145	1.145	1.170	1.449	1.646	1.681	1.449	1.324	1.306	1.272	1.324	1.324	1.473	1.614	1.553	1.343	1.343	1.183	1.170	1.157
NFB8	0.436	0.430	0.430	0.430	0.430	0.430	0.442	0.575	0.677	0.695	0.575	0.514	0.505	0.489	0.514	0.514	0.587	0.659	0.628	0.523	0.523	0.448	0.442	0.436
FBSD	0.170	0.168	0.168	0.168	0.168	0.168	0.172	0.217	0.250	0.256	0.217	0.197	0.194	0.188	0.197	0.197	0.221	0.245	0.234	0.200	0.200	0.174	0.172	0.170

Total composite emission factor (g/Veh/km)	0.1982	0.1490	0.1614	0.1903	0.1676	0.1589	0.1880	0.2102	0.5310	0.5634	0.4248	0.3780	0.3758	0.3656	0.3848	0.3870	0.4406	0.4802	0.4343	0.1962	0.1993	0.2257	0.2440	0.3022
Total composite emission factor (g/Veh/mile)	0.32	0.24	0.26	0.31	0.27	0.26	0.30	0.34	0.86	0.91	0.69	0.61	0.61	0.59	0.62	0.62	0.71	0.77	0.70	0.32	0.32	0.36	0.39	0.49

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: TM2_Unnamed Road to River Trade Terminal
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	4	3	2	1	1	1	3	5	8	8	17	13	13	13	15	13	13	15	17	13	10	7	7	5
2	LGV3	3	1	1	1	1	1	1	3	5	5	5	5	4	4	5	5	5	5	5	4	4	3	3	3
3	LGV4	2	1	1	0	0	0	1	2	3	3	4	3	3	3	3	3	3	3	4	3	3	3	3	2
4	PLB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	2	1	1	0	0	0	1	2	3	3	4	3	3	3	3	3	3	3	4	3	3	3	3	2
6	HGV7	0	0	0	0	0	0	2	2	64	69	57	52	38	56	63	54	59	63	65	1	1	1	0	0
7	HGV8	0	0	0	0	0	0	6	16	396	406	333	306	277	265	314	311	324	314	331	2	2	1	0	0
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	2	1	1	1	1	1	1	2	4	5	5	3	3	3	5	3	3	5	5	3	1	1	1	1
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	13	7	6	3	3	3	15	32	483	499	425	385	341	347	408	392	410	408	431	29	24	19	17	13

NO2 emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006
LGV3	0.196	0.196	0.196	0.196	0.196	0.196	0.196	0.196	0.202	0.202	0.202	0.202	0.202	0.202	0.202	0.202	0.202	0.202	0.202	0.196	0.196	0.196	0.196	0.196
LGV4	0.173	0.173	0.173	0.173	0.173	0.173	0.173	0.173	0.178	0.178	0.178	0.178	0.178	0.178	0.178	0.178	0.178	0.178	0.178	0.173	0.173	0.173	0.173	0.173
PLB	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.167	0.167	0.167	0.167	0.167	0.167	0.167	0.167	0.167	0.167	0.167	0.161	0.161	0.161	0.161	0.161
LGV6	0.793	0.793	0.793	0.793	0.793	0.793	0.793	0.793	0.815	0.815	0.815	0.815	0.815	0.815	0.815	0.815	0.815	0.815	0.815	0.793	0.793	0.793	0.793	0.793
HGV7	1.320	1.320	1.320	1.320	1.320	1.320	1.320	1.320	1.364	1.364	1.364	1.364	1.364	1.364	1.364	1.364	1.364	1.364	1.364	1.320	1.320	1.320	1.320	1.320
HGV8	0.779	0.779	0.779	0.779	0.779	0.779	0.779	0.779	0.813	0.813	0.813	0.813	0.813	0.813	0.813	0.813	0.813	0.813	0.813	0.779	0.779	0.779	0.779	0.779
FBDD	1.226	1.226	1.226	1.226	1.226	1.226	1.226	1.226	1.283	1.283	1.283	1.283	1.283	1.283	1.283	1.283	1.283	1.283	1.283	1.226	1.226	1.226	1.226	1.226
MC	0.028	0.028	0.028	0.028	0.028	0.028	0.028	0.028	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.028	0.028	0.028	0.028	0.028
TAXI	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025
PV4	0.142	0.142	0.142	0.142	0.142	0.142	0.142	0.142	0.147	0.147	0.147	0.147	0.147	0.147	0.147	0.147	0.147	0.147	0.147	0.142	0.142	0.142	0.142	0.142
PV5	0.477	0.477	0.477	0.477	0.477	0.477	0.477	0.477	0.495	0.495	0.495	0.495	0.495	0.495	0.495	0.495	0.495	0.495	0.495	0.477	0.477	0.477	0.477	0.477
NFB6	1.104	1.104	1.104	1.104	1.104	1.104	1.104	1.104	1.145	1.145	1.145	1.145	1.145	1.145	1.145	1.145	1.145	1.145	1.145	1.104	1.104	1.104	1.104	1.104
NFB7	2.118	2.118	2.118	2.118	2.118	2.118	2.118	2.118	2.188	2.188	2.188	2.188	2.188	2.188	2.188	2.188	2.188	2.188	2.188	2.118	2.118	2.118	2.118	2.118
NFB8	0.940	0.940	0.940	0.940	0.940	0.940	0.940	0.940	0.981	0.981	0.981	0.981	0.981	0.981	0.981	0.981	0.981	0.981	0.981	0.940	0.940	0.940	0.940	0.940
FBSD	0.334	0.334	0.334	0.334	0.334	0.334	0.334	0.334	0.347	0.347	0.347	0.347	0.347	0.347	0.347	0.347	0.347	0.347	0.347	0.334	0.334	0.334	0.334	0.334

Total composite emission factor (g/Veh/km)	0.1993	0.1719	0.1996	0.0754	0.0754	0.0754	0.5677	0.5530	0.8562	0.8587	0.8325	0.8415	0.8243	0.8526	0.8469	0.8438	0.8491	0.8469	0.8424	0.2313	0.2767	0.2973	0.2088	0.1979
Total composite emission factor (g/Veh/mile)	0.32	0.28	0.32	0.12	0.12	0.12	0.92	0.89	1.38	1.39	1.34	1.36	1.33	1.38	1.37	1.36	1.37	1.37	1.36	0.37	0.45	0.48	0.34	0.32

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: TM3_Lung Mun Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	12	8	6	4	5	11	29	108	155	168	230	227	196	187	213	210	207	203	219	196	150	44	25	14
2	LGV3	4	4	4	2	2	7	16	26	50	54	71	66	62	59	67	66	65	67	70	62	62	22	10	5
3	LGV4	2	1	1	3	2	7	10	15	33	35	58	55	51	49	56	55	55	56	56	51	51	14	8	4
4	PLB	5	3	2	2	2	2	3	6	10	10	12	11	10	10	11	11	11	11	12	10	8	8	7	6
5	LGV6	2	1	1	3	2	7	10	15	33	35	53	50	47	45	51	50	50	51	51	47	48	17	7	4
6	HGV7	0	0	0	0	0	0	2	18	222	295	217	202	193	169	198	208	209	188	149	15	11	3	0	0
7	HGV8	0	0	0	0	0	0	4	32	270	425	312	284	288	259	318	310	304	274	165	37	26	9	2	0
8	FBDD	2	1	1	0	0	0	2	2	4	4	11	11	9	9	11	11	11	11	11	9	8	7	6	6
9	MC	0	0	0	0	0	0	0	1	1	1	6	6	6	5	6	6	6	6	6	6	5	4	4	4
10	TAXI	7	4	5	3	4	6	14	62	84	91	95	100	89	84	94	94	93	94	97	89	75	33	14	4
11	PV4	1	0	0	0	0	0	0	1	1	1	5	5	4	4	5	5	4	5	5	4	4	4	3	2
12	PV5	1	0	0	0	0	0	0	1	1	1	5	5	4	4	5	5	4	5	5	4	4	4	3	2
13	NFB6	3	1	1	1	1	1	2	3	5	6	16	15	14	13	15	15	15	15	16	14	11	10	9	9
14	NFB7	3	1	1	1	1	1	2	3	5	6	16	15	14	13	15	15	15	15	16	14	11	10	9	9
15	NFB8	3	1	1	1	1	1	2	3	5	6	16	15	14	13	15	15	15	15	16	14	11	10	9	9
16	FBSD	3	1	1	1	1	1	2	3	5	6	13	12	11	11	13	12	12	13	13	11	9	8	8	7
	Total Flow (veh)	48	26	24	21	21	44	98	299	884	1144	1136	1079	1012	934	1093	1088	1076	1029	907	583	494	207	124	85

NO2 emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.005	0.004	0.004	0.004	0.004	0.004	0.004
LGV3	0.116	0.115	0.115	0.115	0.115	0.115	0.117	0.137	0.140	0.140	0.140	0.126	0.126	0.127	0.130	0.130	0.142	0.155	0.149	0.130	0.126	0.118	0.117	0.116
LGV4	0.095	0.094	0.094	0.094	0.094	0.094	0.096	0.115	0.118	0.118	0.118	0.104	0.104	0.106	0.108	0.108	0.120	0.133	0.127	0.108	0.104	0.097	0.096	0.095
PLB	0.082	0.081	0.081	0.081	0.081	0.081	0.083	0.102	0.106	0.106	0.106	0.091	0.091	0.093	0.096	0.096	0.108	0.119	0.114	0.096	0.091	0.084	0.083	0.082
LGV6	0.473	0.469	0.469	0.469	0.469	0.469	0.478	0.558	0.573	0.573	0.573	0.513	0.513	0.519	0.531	0.531	0.582	0.630	0.608	0.531	0.513	0.482	0.478	0.473
HGV7	0.720	0.712	0.712	0.712	0.712	0.712	0.728	0.874	0.902	0.902	0.902	0.792	0.792	0.802	0.824	0.824	0.917	1.006	0.967	0.824	0.792	0.736	0.728	0.720
HGV8	0.354	0.349	0.349	0.349	0.349	0.349	0.359	0.453	0.472	0.472	0.472	0.399	0.399	0.406	0.420	0.420	0.482	0.543	0.516	0.420	0.399	0.364	0.359	0.354
FBDD	0.569	0.566	0.566	0.566	0.566	0.566	0.573	0.714	0.743	0.743	0.743	0.631	0.631	0.642	0.664	0.664	0.759	0.853	0.812	0.664	0.631	0.577	0.573	0.569
MC	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.025	0.025	0.025	0.025	0.024	0.024	0.024	0.024	0.024	0.025	0.026	0.026	0.024	0.024	0.024	0.024	0.024
TAXI	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.018	0.018	0.018	0.018	0.017	0.017	0.017	0.017	0.017	0.019	0.020	0.019	0.017	0.017	0.016	0.016	0.016
PV4	0.068	0.067	0.067	0.067	0.067	0.067	0.069	0.086	0.089	0.089	0.089	0.076	0.076	0.077	0.080	0.080	0.091	0.105	0.097	0.080	0.076	0.070	0.069	0.068
PV5	0.239	0.236	0.236	0.236	0.236	0.236	0.242	0.298	0.309	0.309	0.309	0.267	0.267	0.271	0.279	0.279	0.315	0.350	0.335	0.279	0.267	0.245	0.242	0.239
NFB6	0.553	0.546	0.546	0.546	0.546	0.546	0.560	0.690	0.716	0.716	0.716	0.617	0.617	0.626	0.646	0.646	0.730	0.809	0.775	0.646	0.617	0.568	0.560	0.553
NFB7	1.157	1.145	1.145	1.145	1.145	1.145	1.170	1.404	1.449	1.449	1.449	1.272	1.272	1.289	1.324	1.324	1.473	1.614	1.553	1.324	1.272	1.183	1.170	1.157
NFB8	0.436	0.430	0.430	0.430	0.430	0.430	0.442	0.553	0.575	0.575	0.575	0.489	0.489	0.497	0.514	0.514	0.587	0.659	0.628	0.514	0.489	0.448	0.442	0.436
FBSD	0.170	0.168	0.168	0.168	0.168	0.168	0.172	0.210	0.217	0.217	0.217	0.188	0.188	0.191	0.197	0.197	0.221	0.245	0.234	0.197	0.188	0.174	0.172	0.170

Total composite emission factor (g/Veh/km)	0.2200	0.1621	0.1725	0.2111	0.1852	0.1667	0.1726	0.1887	0.4285	0.4570	0.3970	0.3366	0.3464	0.3431	0.3578	0.3631	0.4103	0.4403	0.3788	0.1958	0.1898	0.2308	0.2604	0.3305
Total composite emission factor (g/Veh/mile)	0.35	0.26	0.28	0.34	0.30	0.27	0.28	0.30	0.69	0.74	0.64	0.54	0.56	0.55	0.58	0.59	0.66	0.71	0.61	0.32	0.31	0.37	0.42	0.53

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: TM5_Lung Mun Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	10	7	5	4	5	11	28	106	152	165	219	217	187	179	203	200	197	193	209	187	142	38	19	9
2	LGV3	2	4	4	2	2	7	16	24	48	52	65	62	58	55	63	62	61	63	64	58	58	18	6	3
3	LGV4	1	1	1	3	2	7	10	14	32	34	54	52	48	46	53	52	52	53	52	48	48	11	5	2
4	PLB	5	3	2	2	2	2	3	6	10	10	12	11	10	10	11	11	11	11	12	10	8	8	7	6
5	LGV6	1	1	1	3	2	7	10	14	32	34	49	47	44	42	48	47	47	48	47	44	45	14	4	2
6	HGV7	0	0	0	0	0	0	2	17	202	251	177	164	157	137	158	170	167	150	137	14	11	3	0	0
7	HGV8	0	0	0	0	0	0	4	28	156	179	80	70	80	73	94	90	64	64	99	31	23	8	2	0
8	FBDD	2	1	1	0	0	0	2	2	4	4	11	11	9	9	11	11	11	11	11	9	8	7	6	6
9	MC	0	0	0	0	0	0	0	1	1	1	6	6	6	5	6	6	6	6	6	6	5	4	4	4
10	TAXI	5	4	5	3	4	6	14	60	82	89	88	94	84	79	88	88	87	88	90	84	70	29	10	1
11	PV4	1	0	0	0	0	0	0	1	1	1	5	5	4	4	5	5	4	5	5	4	4	4	3	2
12	PV5	1	0	0	0	0	0	0	1	1	1	5	5	4	4	5	5	4	5	5	4	4	4	3	2
13	NFB6	3	1	1	1	1	1	2	3	5	6	16	15	14	13	15	15	15	15	16	14	11	10	9	9
14	NFB7	3	1	1	1	1	1	2	3	5	6	16	15	14	13	15	15	15	15	16	14	11	10	9	9
15	NFB8	3	1	1	1	1	1	2	3	5	6	16	15	14	13	15	15	15	15	16	14	11	10	9	9
16	FBSD	3	1	1	1	1	1	2	3	5	6	13	12	11	11	13	12	12	13	13	11	9	8	8	7
	Total Flow (veh)	40	25	23	21	21	44	97	286	741	845	832	801	744	693	803	804	768	755	798	552	468	186	104	71

NO2 emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
LGV3	0.116	0.115	0.115	0.115	0.115	0.115	0.117	0.140	0.142	0.142	0.144	0.128	0.128	0.128	0.130	0.126	0.144	0.144	0.144	0.142	0.142	0.118	0.117	0.116
LGV4	0.095	0.094	0.094	0.094	0.094	0.094	0.096	0.118	0.120	0.120	0.122	0.107	0.107	0.107	0.108	0.104	0.122	0.122	0.122	0.120	0.120	0.097	0.096	0.095
PLB	0.082	0.081	0.081	0.081	0.081	0.081	0.083	0.106	0.108	0.108	0.110	0.094	0.094	0.094	0.096	0.091	0.110	0.110	0.110	0.108	0.108	0.084	0.083	0.082
LGV6	0.473	0.469	0.469	0.469	0.469	0.469	0.478	0.573	0.582	0.582	0.590	0.525	0.525	0.525	0.531	0.513	0.590	0.590	0.590	0.582	0.582	0.482	0.478	0.473
HGV7	0.720	0.712	0.712	0.712	0.712	0.712	0.728	0.902	0.917	0.917	0.933	0.813	0.813	0.813	0.824	0.792	0.933	0.933	0.933	0.917	0.917	0.736	0.728	0.720
HGV8	0.354	0.349	0.349	0.349	0.349	0.349	0.359	0.472	0.482	0.482	0.493	0.413	0.413	0.413	0.420	0.399	0.493	0.493	0.493	0.482	0.482	0.364	0.359	0.354
FBDD	0.569	0.566	0.566	0.566	0.566	0.566	0.573	0.743	0.759	0.759	0.776	0.652	0.652	0.652	0.664	0.631	0.776	0.776	0.776	0.759	0.759	0.577	0.573	0.569
MC	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.025	0.025	0.025	0.025	0.024	0.024	0.024	0.024	0.024	0.025	0.025	0.025	0.025	0.025	0.024	0.024	0.024
TAXI	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.018	0.019	0.019	0.019	0.017	0.017	0.017	0.017	0.017	0.019	0.019	0.019	0.019	0.019	0.016	0.016	0.016
PV4	0.068	0.067	0.067	0.067	0.067	0.067	0.069	0.089	0.091	0.091	0.093	0.079	0.079	0.079	0.080	0.076	0.093	0.093	0.093	0.091	0.091	0.070	0.069	0.068
PV5	0.239	0.236	0.236	0.236	0.236	0.236	0.242	0.309	0.315	0.315	0.322	0.275	0.275	0.275	0.279	0.267	0.322	0.322	0.322	0.315	0.315	0.245	0.242	0.239
NFB6	0.553	0.546	0.546	0.546	0.546	0.546	0.560	0.716	0.730	0.730	0.744	0.636	0.636	0.636	0.646	0.617	0.744	0.744	0.744	0.730	0.730	0.568	0.560	0.553
NFB7	1.157	1.145	1.145	1.145	1.145	1.145	1.170	1.449	1.473	1.473	1.498	1.306	1.306	1.306	1.324	1.272	1.498	1.498	1.498	1.473	1.473	1.183	1.170	1.157
NFB8	0.436	0.430	0.430	0.430	0.430	0.430	0.442	0.575	0.587	0.587	0.600	0.505	0.505	0.505	0.514	0.489	0.600	0.600	0.600	0.587	0.587	0.448	0.442	0.436
FBSD	0.170	0.168	0.168	0.168	0.168	0.168	0.172	0.217	0.221	0.221	0.225	0.194	0.194	0.194	0.197	0.188	0.225	0.225	0.225	0.221	0.221	0.174	0.172	0.170

Total composite emission factor (g/Veh/km)	0.2430	0.1684	0.1799	0.2111	0.1852	0.1667	0.1743	0.1907	0.4203	0.4410	0.3756	0.3146	0.3269	0.3172	0.3257	0.3206	0.3771	0.3647	0.3546	0.2191	0.2236	0.2425	0.2886	0.3755
Total composite emission factor (g/Veh/mile)	0.39	0.27	0.29	0.34	0.30	0.27	0.28	0.31	0.68	0.71	0.61	0.51	0.53	0.51	0.53	0.52	0.61	0.59	0.57	0.35	0.36	0.39	0.47	0.61

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: TM7_Siu Lang Shui Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	0	0	0	0	0	0	1	4	8	10	7	5	5	5	7	5	5	7	7	5	1	0	0	0
2	LGV3	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0
3	LGV4	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	PLB	0	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	HGV7	0	0	0	0	0	0	0	8	15	18	11	9	9	9	11	9	9	11	11	2	0	0	0	0
7	HGV8	0	0	0	0	0	0	0	6	13	14	8	7	7	7	8	7	7	8	8	4	2	0	0	0
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	0	0	0	0	0	0	1	3	6	8	4	2	2	2	4	2	2	4	4	2	0	0	0	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	0	0	0	0	0	0	2	21	47	55	31	24	24	24	31	24	24	31	31	14	3	0	0	0

NO2 emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
LGV3	0.133	0.133	0.133	0.133	0.133	0.133	0.133	0.133	0.133	0.133	0.133	0.133	0.133	0.133	0.133	0.133	0.133	0.133	0.133	0.133	0.133	0.133	0.133	0.133
LGV4	0.111	0.111	0.111	0.111	0.111	0.111	0.111	0.111	0.111	0.111	0.111	0.111	0.111	0.111	0.111	0.111	0.111	0.111	0.111	0.111	0.111	0.111	0.111	0.111
PLB	0.099	0.099	0.099	0.099	0.099	0.099	0.099	0.099	0.099	0.099	0.099	0.099	0.099	0.099	0.099	0.099	0.099	0.099	0.099	0.099	0.099	0.099	0.099	0.099
LGV6	0.544	0.544	0.544	0.544	0.544	0.544	0.544	0.544	0.544	0.544	0.544	0.544	0.544	0.544	0.544	0.544	0.544	0.544	0.544	0.544	0.544	0.544	0.544	0.544
HGV7	0.848	0.848	0.848	0.848	0.848	0.848	0.848	0.848	0.848	0.848	0.848	0.848	0.848	0.848	0.848	0.848	0.848	0.848	0.848	0.848	0.848	0.848	0.848	0.848
HGV8	0.436	0.436	0.436	0.436	0.436	0.436	0.436	0.436	0.436	0.436	0.436	0.436	0.436	0.436	0.436	0.436	0.436	0.436	0.436	0.436	0.436	0.436	0.436	0.436
FBDD	0.688	0.688	0.688	0.688	0.688	0.688	0.688	0.688	0.688	0.688	0.688	0.688	0.688	0.688	0.688	0.688	0.688	0.688	0.688	0.688	0.688	0.688	0.688	0.688
MC	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025
TAXI	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018
PV4	0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083
PV5	0.288	0.288	0.288	0.288	0.288	0.288	0.288	0.288	0.288	0.288	0.288	0.288	0.288	0.288	0.288	0.288	0.288	0.288	0.288	0.288	0.288	0.288	0.288	0.288
NFB6	0.667	0.667	0.667	0.667	0.667	0.667	0.667	0.667	0.667	0.667	0.667	0.667	0.667	0.667	0.667	0.667	0.667	0.667	0.667	0.667	0.667	0.667	0.667	0.667
NFB7	1.362	1.362	1.362	1.362	1.362	1.362	1.362	1.362	1.362	1.362	1.362	1.362	1.362	1.362	1.362	1.362	1.362	1.362	1.362	1.362	1.362	1.362	1.362	1.362
NFB8	0.532	0.532	0.532	0.532	0.532	0.532	0.532	0.532	0.532	0.532	0.532	0.532	0.532	0.532	0.532	0.532	0.532	0.532	0.532	0.532	0.532	0.532	0.532	0.532
FBSD	0.203	0.203	0.203	0.203	0.203	0.203	0.203	0.203	0.203	0.203	0.203	0.203	0.203	0.203	0.203	0.203	0.203	0.203	0.203	0.203	0.203	0.203	0.203	0.203

Total composite emission factor (g/Veh/km)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0108	0.4508	0.4150	0.4096	0.4208	0.4529	0.4529	0.4529	0.4208	0.4529	0.4529	0.4208	0.4208	0.2590	0.2917	0.0000	0.0000	0.0000
Total composite emission factor (g/Veh/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.73	0.67	0.66	0.68	0.73	0.73	0.73	0.68	0.73	0.73	0.68	0.68	0.42	0.47	0.00	0.00	0.00

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: TM8_Unnamed Road to Cemetery
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	0	0	0	0	0	0	0	0	2	3	2	1	1	1	2	0	1	1	2	1	0	1	0	0
2	LGV3	0	0	0	0	0	0	0	0	1	0	1	0	1	1	1	0	1	1	1	1	0	0	0	0
3	LGV4	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	PLB	0	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	HGV7	0	0	0	0	0	0	0	1	3	3	2	2	2	2	2	2	2	2	2	0	0	0	0	0
7	HGV8	0	0	0	0	0	0	0	1	2	2	0	1	0	0	0	1	0	0	0	0	0	0	0	0
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	1	0	0	1	0	0	0	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	0	0	0	0	0	0	0	2	11	12	5	5	4	5	5	4	5	4	5	3	0	1	0	0

NO2 emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
LGV3	0.127	0.127	0.127	0.127	0.127	0.127	0.127	0.127	0.127	0.127	0.127	0.127	0.127	0.127	0.127	0.127	0.127	0.127	0.127	0.127	0.127	0.127	0.127	0.127
LGV4	0.106	0.106	0.106	0.106	0.106	0.106	0.106	0.106	0.106	0.106	0.106	0.106	0.106	0.106	0.106	0.106	0.106	0.106	0.106	0.106	0.106	0.106	0.106	0.106
PLB	0.093	0.093	0.093	0.093	0.093	0.093	0.093	0.093	0.093	0.093	0.093	0.093	0.093	0.093	0.093	0.093	0.093	0.093	0.093	0.093	0.093	0.093	0.093	0.093
LGV6	0.519	0.519	0.519	0.519	0.519	0.519	0.519	0.519	0.519	0.519	0.519	0.519	0.519	0.519	0.519	0.519	0.519	0.519	0.519	0.519	0.519	0.519	0.519	0.519
HGV7	0.802	0.802	0.802	0.802	0.802	0.802	0.802	0.802	0.802	0.802	0.802	0.802	0.802	0.802	0.802	0.802	0.802	0.802	0.802	0.802	0.802	0.802	0.802	0.802
HGV8	0.406	0.406	0.406	0.406	0.406	0.406	0.406	0.406	0.406	0.406	0.406	0.406	0.406	0.406	0.406	0.406	0.406	0.406	0.406	0.406	0.406	0.406	0.406	0.406
FBDD	0.642	0.642	0.642	0.642	0.642	0.642	0.642	0.642	0.642	0.642	0.642	0.642	0.642	0.642	0.642	0.642	0.642	0.642	0.642	0.642	0.642	0.642	0.642	0.642
MC	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024
TAXI	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017
PV4	0.077	0.077	0.077	0.077	0.077	0.077	0.077	0.077	0.077	0.077	0.077	0.077	0.077	0.077	0.077	0.077	0.077	0.077	0.077	0.077	0.077	0.077	0.077	0.077
PV5	0.271	0.271	0.271	0.271	0.271	0.271	0.271	0.271	0.271	0.271	0.271	0.271	0.271	0.271	0.271	0.271	0.271	0.271	0.271	0.271	0.271	0.271	0.271	0.271
NFB6	0.626	0.626	0.626	0.626	0.626	0.626	0.626	0.626	0.626	0.626	0.626	0.626	0.626	0.626	0.626	0.626	0.626	0.626	0.626	0.626	0.626	0.626	0.626	0.626
NFB7	1.289	1.289	1.289	1.289	1.289	1.289	1.289	1.289	1.289	1.289	1.289	1.289	1.289	1.289	1.289	1.289	1.289	1.289	1.289	1.289	1.289	1.289	1.289	1.289
NFB8	0.497	0.497	0.497	0.497	0.497	0.497	0.497	0.497	0.497	0.497	0.497	0.497	0.497	0.497	0.497	0.497	0.497	0.497	0.497	0.497	0.497	0.497	0.497	0.497
FBSD	0.191	0.191	0.191	0.191	0.191	0.191	0.191	0.191	0.191	0.191	0.191	0.191	0.191	0.191	0.191	0.191	0.191	0.191	0.191	0.191	0.191	0.191	0.191	0.191

Total composite emission factor (g/Veh/km)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.6039	0.3312	0.3366	0.3477	0.4061	0.4337	0.3504	0.3477	0.5067	0.3504	0.4337	0.3477	0.0492	0.0000	0.0038	0.0000	0.0000
Total composite emission factor (g/Veh/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.97	0.53	0.54	0.56	0.66	0.70	0.57	0.56	0.82	0.57	0.70	0.56	0.08	0.00	0.01	0.00	0.00

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: TM9_Siu Lang Shui Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	0	0	0	0	0	0	1	4	10	13	9	6	6	6	9	5	6	8	9	6	1	1	0	0
2	LGV3	0	0	0	0	0	0	0	0	2	1	2	1	2	2	2	1	2	2	2	2	0	0	0	0
3	LGV4	0	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	PLB	0	0	0	0	0	0	0	0	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	HGV7	0	0	0	0	0	0	0	9	18	21	13	11	11	11	13	11	11	13	13	2	0	0	0	0
7	HGV8	0	0	0	0	0	0	0	7	15	16	8	8	7	7	8	8	5	8	8	4	2	0	0	0
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	0	0	0	0	0	0	1	3	6	8	4	3	2	3	4	3	3	4	4	3	0	0	0	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	0	0	0	0	0	0	2	23	58	67	36	29	28	29	36	28	27	35	36	17	3	1	0	0

NO2 emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
LGV3	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135
LGV4	0.113	0.113	0.113	0.113	0.113	0.113	0.113	0.113	0.113	0.113	0.113	0.113	0.113	0.113	0.113	0.113	0.113	0.113	0.113	0.113	0.113	0.113	0.113	0.113
PLB	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100
LGV6	0.551	0.551	0.551	0.551	0.551	0.551	0.551	0.551	0.551	0.551	0.551	0.551	0.551	0.551	0.551	0.551	0.551	0.551	0.551	0.551	0.551	0.551	0.551	0.551
HGV7	0.861	0.861	0.861	0.861	0.861	0.861	0.861	0.861	0.861	0.861	0.861	0.861	0.861	0.861	0.861	0.861	0.861	0.861	0.861	0.861	0.861	0.861	0.861	0.861
HGV8	0.444	0.444	0.444	0.444	0.444	0.444	0.444	0.444	0.444	0.444	0.444	0.444	0.444	0.444	0.444	0.444	0.444	0.444	0.444	0.444	0.444	0.444	0.444	0.444
FBDD	0.701	0.701	0.701	0.701	0.701	0.701	0.701	0.701	0.701	0.701	0.701	0.701	0.701	0.701	0.701	0.701	0.701	0.701	0.701	0.701	0.701	0.701	0.701	0.701
MC	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025
TAXI	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018
PV4	0.084	0.084	0.084	0.084	0.084	0.084	0.084	0.084	0.084	0.084	0.084	0.084	0.084	0.084	0.084	0.084	0.084	0.084	0.084	0.084	0.084	0.084	0.084	0.084
PV5	0.293	0.293	0.293	0.293	0.293	0.293	0.293	0.293	0.293	0.293	0.293	0.293	0.293	0.293	0.293	0.293	0.293	0.293	0.293	0.293	0.293	0.293	0.293	0.293
NFB6	0.679	0.679	0.679	0.679	0.679	0.679	0.679	0.679	0.679	0.679	0.679	0.679	0.679	0.679	0.679	0.679	0.679	0.679	0.679	0.679	0.679	0.679	0.679	0.679
NFB7	1.383	1.383	1.383	1.383	1.383	1.383	1.383	1.383	1.383	1.383	1.383	1.383	1.383	1.383	1.383	1.383	1.383	1.383	1.383	1.383	1.383	1.383	1.383	1.383
NFB8	0.542	0.542	0.542	0.542	0.542	0.542	0.542	0.542	0.542	0.542	0.542	0.542	0.542	0.542	0.542	0.542	0.542	0.542	0.542	0.542	0.542	0.542	0.542	0.542
FBSD	0.206	0.206	0.206	0.206	0.206	0.206	0.206	0.206	0.206	0.206	0.206	0.206	0.206	0.206	0.206	0.206	0.206	0.206	0.206	0.206	0.206	0.206	0.206	0.206

Total composite emission factor (g/Veh/km)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0109	0.4749	0.4094	0.4065	0.4199	0.4562	0.4608	0.4455	0.4199	0.4724	0.4457	0.4318	0.4199	0.2261	0.2973	0.0040	0.0000	0.0000
Total composite emission factor (g/Veh/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.77	0.66	0.66	0.68	0.74	0.74	0.72	0.68	0.76	0.72	0.70	0.68	0.36	0.48	0.01	0.00	0.00

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: TM10_Lung Fat Street
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	0	0	0	0	0	0	1	4	10	13	9	6	6	6	9	5	6	8	9	6	1	1	0	0
2	LGV3	0	0	0	0	0	0	0	0	2	1	2	1	2	2	2	1	2	2	2	2	0	0	0	0
3	LGV4	0	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	PLB	0	0	0	0	0	0	0	0	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	HGV7	0	0	0	0	0	0	0	9	18	21	13	11	11	11	13	11	11	13	13	2	0	0	0	0
7	HGV8	0	0	0	0	0	0	0	7	15	16	8	8	7	7	8	8	5	8	8	4	2	0	0	0
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	0	0	0	0	0	0	1	3	6	8	4	3	2	3	4	3	3	4	4	3	0	0	0	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	0	0	0	0	0	0	2	23	58	67	36	29	28	29	36	28	27	35	36	17	3	1	0	0

NO2 emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
LGV3	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135
LGV4	0.113	0.113	0.113	0.113	0.113	0.113	0.113	0.113	0.113	0.113	0.113	0.113	0.113	0.113	0.113	0.113	0.113	0.113	0.113	0.113	0.113	0.113	0.113	0.113
PLB	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100
LGV6	0.551	0.551	0.551	0.551	0.551	0.551	0.551	0.551	0.551	0.551	0.551	0.551	0.551	0.551	0.551	0.551	0.551	0.551	0.551	0.551	0.551	0.551	0.551	0.551
HGV7	0.861	0.861	0.861	0.861	0.861	0.861	0.861	0.861	0.861	0.861	0.861	0.861	0.861	0.861	0.861	0.861	0.861	0.861	0.861	0.861	0.861	0.861	0.861	0.861
HGV8	0.444	0.444	0.444	0.444	0.444	0.444	0.444	0.444	0.444	0.444	0.444	0.444	0.444	0.444	0.444	0.444	0.444	0.444	0.444	0.444	0.444	0.444	0.444	0.444
FBDD	0.701	0.701	0.701	0.701	0.701	0.701	0.701	0.701	0.701	0.701	0.701	0.701	0.701	0.701	0.701	0.701	0.701	0.701	0.701	0.701	0.701	0.701	0.701	0.701
MC	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025
TAXI	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018
PV4	0.084	0.084	0.084	0.084	0.084	0.084	0.084	0.084	0.084	0.084	0.084	0.084	0.084	0.084	0.084	0.084	0.084	0.084	0.084	0.084	0.084	0.084	0.084	0.084
PV5	0.293	0.293	0.293	0.293	0.293	0.293	0.293	0.293	0.293	0.293	0.293	0.293	0.293	0.293	0.293	0.293	0.293	0.293	0.293	0.293	0.293	0.293	0.293	0.293
NFB6	0.679	0.679	0.679	0.679	0.679	0.679	0.679	0.679	0.679	0.679	0.679	0.679	0.679	0.679	0.679	0.679	0.679	0.679	0.679	0.679	0.679	0.679	0.679	0.679
NFB7	1.383	1.383	1.383	1.383	1.383	1.383	1.383	1.383	1.383	1.383	1.383	1.383	1.383	1.383	1.383	1.383	1.383	1.383	1.383	1.383	1.383	1.383	1.383	1.383
NFB8	0.542	0.542	0.542	0.542	0.542	0.542	0.542	0.542	0.542	0.542	0.542	0.542	0.542	0.542	0.542	0.542	0.542	0.542	0.542	0.542	0.542	0.542	0.542	0.542
FBSD	0.206	0.206	0.206	0.206	0.206	0.206	0.206	0.206	0.206	0.206	0.206	0.206	0.206	0.206	0.206	0.206	0.206	0.206	0.206	0.206	0.206	0.206	0.206	0.206

Total composite emission factor (g/Veh/km)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0109	0.4749	0.4094	0.4065	0.4199	0.4562	0.4608	0.4455	0.4199	0.4724	0.4457	0.4318	0.4199	0.2261	0.2973	0.0040	0.0000	0.0000
Total composite emission factor (g/Veh/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.77	0.66	0.66	0.68	0.74	0.74	0.72	0.68	0.76	0.72	0.70	0.68	0.36	0.48	0.01	0.00	0.00

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: TM11_Lung Mun Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	6	4	3	1	2	8	23	93	128	137	193	196	166	159	178	180	176	169	184	166	129	27	11	7
2	LGV3	2	4	4	2	2	6	13	19	38	43	56	54	50	47	54	54	52	54	55	50	53	18	6	3
3	LGV4	1	1	1	3	2	6	9	10	24	26	48	46	43	41	47	46	47	47	46	43	43	11	5	2
4	PLB	5	3	2	2	2	2	3	6	6	6	12	11	10	10	11	11	11	11	12	10	8	8	7	6
5	LGV6	1	1	1	3	2	6	9	10	25	26	43	41	39	37	42	41	42	42	41	39	40	14	4	2
6	HGV7	0	0	0	0	0	0	2	6	177	222	159	149	142	122	140	155	152	132	119	10	10	3	0	0
7	HGV8	0	0	0	0	0	0	4	15	103	121	47	38	50	45	62	58	40	32	67	12	11	7	2	0
8	FBDD	2	1	1	0	0	0	2	2	4	4	11	11	9	9	11	11	11	11	11	9	8	7	6	6
9	MC	0	0	0	0	0	0	0	1	1	1	6	6	6	5	6	6	6	6	6	6	5	4	4	4
10	TAXI	4	3	3	2	3	5	12	52	67	72	74	81	73	67	74	75	74	74	76	72	63	23	5	1
11	PV4	1	0	0	0	0	0	0	1	1	1	5	5	4	4	5	5	4	5	5	4	4	4	3	2
12	PV5	1	0	0	0	0	0	0	1	1	1	5	5	4	4	5	5	4	5	5	4	4	4	3	2
13	NFB6	3	1	1	1	1	1	2	3	5	6	16	15	14	13	15	15	15	15	16	14	11	10	9	9
14	NFB7	3	1	1	1	1	1	2	3	5	6	16	15	14	13	15	15	15	15	16	14	11	10	9	9
15	NFB8	3	1	1	1	1	1	2	3	5	6	16	15	14	13	15	15	15	15	16	14	11	10	9	9
16	FBSD	3	1	1	1	1	1	2	3	5	6	13	12	11	11	13	12	12	13	13	11	9	8	8	7
	Total Flow (veh)	35	21	19	17	17	37	85	228	595	684	720	700	649	600	693	704	676	646	688	478	420	168	91	69

NO2 emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
LGV3	0.116	0.115	0.115	0.115	0.115	0.115	0.117	0.140	0.142	0.142	0.144	0.128	0.128	0.128	0.130	0.126	0.144	0.144	0.144	0.142	0.142	0.118	0.117	0.116
LGV4	0.095	0.094	0.094	0.094	0.094	0.094	0.096	0.118	0.120	0.120	0.122	0.107	0.107	0.107	0.108	0.104	0.122	0.122	0.122	0.120	0.120	0.097	0.096	0.095
PLB	0.082	0.081	0.081	0.081	0.081	0.081	0.083	0.106	0.108	0.108	0.110	0.094	0.094	0.094	0.096	0.091	0.110	0.110	0.110	0.108	0.108	0.084	0.083	0.082
LGV6	0.473	0.469	0.469	0.469	0.469	0.469	0.478	0.573	0.582	0.582	0.590	0.525	0.525	0.525	0.531	0.513	0.590	0.590	0.590	0.582	0.582	0.482	0.478	0.473
HGV7	0.720	0.712	0.712	0.712	0.712	0.712	0.728	0.902	0.917	0.917	0.933	0.813	0.813	0.813	0.824	0.792	0.933	0.933	0.933	0.917	0.917	0.736	0.728	0.720
HGV8	0.354	0.349	0.349	0.349	0.349	0.349	0.359	0.472	0.482	0.482	0.493	0.413	0.413	0.413	0.420	0.399	0.493	0.493	0.493	0.482	0.482	0.364	0.359	0.354
FBDD	0.569	0.566	0.566	0.566	0.566	0.566	0.573	0.743	0.759	0.759	0.776	0.652	0.652	0.652	0.664	0.631	0.776	0.776	0.776	0.759	0.759	0.577	0.573	0.569
MC	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.025	0.025	0.025	0.025	0.024	0.024	0.024	0.024	0.024	0.025	0.025	0.025	0.025	0.025	0.024	0.024	0.024
TAXI	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.018	0.019	0.019	0.019	0.017	0.017	0.017	0.017	0.017	0.019	0.019	0.019	0.019	0.019	0.016	0.016	0.016
PV4	0.068	0.067	0.067	0.067	0.067	0.067	0.069	0.089	0.091	0.091	0.093	0.079	0.079	0.079	0.080	0.076	0.093	0.093	0.093	0.091	0.091	0.070	0.069	0.068
PV5	0.239	0.236	0.236	0.236	0.236	0.236	0.242	0.309	0.315	0.315	0.322	0.275	0.275	0.275	0.279	0.267	0.322	0.322	0.322	0.315	0.315	0.245	0.242	0.239
NFB6	0.553	0.546	0.546	0.546	0.546	0.546	0.560	0.716	0.730	0.730	0.744	0.636	0.636	0.636	0.646	0.617	0.744	0.744	0.744	0.730	0.730	0.568	0.560	0.553
NFB7	1.157	1.145	1.145	1.145	1.145	1.145	1.170	1.449	1.473	1.473	1.498	1.306	1.306	1.306	1.324	1.272	1.498	1.498	1.498	1.473	1.473	1.183	1.170	1.157
NFB8	0.436	0.430	0.430	0.430	0.430	0.430	0.442	0.575	0.587	0.587	0.600	0.505	0.505	0.505	0.514	0.489	0.600	0.600	0.600	0.587	0.587	0.448	0.442	0.436
FBSD	0.170	0.168	0.168	0.168	0.168	0.168	0.172	0.217	0.221	0.221	0.225	0.194	0.194	0.194	0.197	0.188	0.225	0.225	0.225	0.221	0.221	0.174	0.172	0.170

Total composite emission factor (g/Veh/km)	0.2769	0.1992	0.2157	0.2593	0.2273	0.1792	0.1875	0.1528	0.4298	0.4537	0.3799	0.3163	0.3300	0.3193	0.3289	0.3241	0.3825	0.3667	0.3554	0.2158	0.2227	0.2656	0.3286	0.3863
Total composite emission factor (g/Veh/mile)	0.45	0.32	0.35	0.42	0.37	0.29	0.30	0.25	0.69	0.73	0.61	0.51	0.53	0.52	0.53	0.52	0.62	0.59	0.57	0.35	0.36	0.43	0.53	0.62

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: TM12_Unnamed Road to EcoPark
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	4	3	2	3	3	3	4	9	14	15	17	15	15	14	16	15	15	16	16	15	12	10	8	2
2	LGV3	0	0	0	0	0	1	3	5	8	8	7	7	6	6	7	7	7	7	7	6	5	0	0	0
3	LGV4	0	0	0	0	0	1	1	4	6	6	6	6	5	5	6	6	5	6	6	5	5	0	0	0
4	PLB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	1	1	4	6	6	6	6	5	5	6	6	5	6	6	5	5	0	0	0
6	HGV7	0	0	0	0	0	0	0	2	7	8	5	4	4	4	5	4	4	5	5	2	1	0	0	0
7	HGV8	0	0	0	0	0	0	0	6	38	42	25	24	23	21	24	24	19	24	24	15	10	1	0	0
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	1	1	2	1	1	1	1	5	9	9	10	10	9	9	10	10	10	10	10	9	7	6	5	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	5	4	4	4	4	7	10	35	88	94	76	72	67	64	74	72	65	74	74	57	45	17	13	2

NO2 emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
LGV3	0.149	0.149	0.149	0.149	0.149	0.149	0.149	0.149	0.149	0.149	0.149	0.149	0.149	0.149	0.149	0.149	0.149	0.149	0.149	0.149	0.149	0.149	0.149	0.149	0.149
LGV4	0.127	0.127	0.127	0.127	0.127	0.127	0.127	0.127	0.127	0.127	0.127	0.127	0.127	0.127	0.127	0.127	0.127	0.127	0.127	0.127	0.127	0.127	0.127	0.127	0.127
PLB	0.114	0.114	0.114	0.114	0.114	0.114	0.114	0.114	0.114	0.114	0.114	0.114	0.114	0.114	0.114	0.114	0.114	0.114	0.114	0.114	0.114	0.114	0.114	0.114	0.114
LGV6	0.608	0.608	0.608	0.608	0.608	0.608	0.608	0.608	0.608	0.608	0.608	0.608	0.608	0.608	0.608	0.608	0.608	0.608	0.608	0.608	0.608	0.608	0.608	0.608	0.608
HGV7	0.967	0.967	0.967	0.967	0.967	0.967	0.967	0.967	0.967	0.967	0.967	0.967	0.967	0.967	0.967	0.967	0.967	0.967	0.967	0.967	0.967	0.967	0.967	0.967	0.967
HGV8	0.516	0.516	0.516	0.516	0.516	0.516	0.516	0.516	0.516	0.516	0.516	0.516	0.516	0.516	0.516	0.516	0.516	0.516	0.516	0.516	0.516	0.516	0.516	0.516	0.516
FBDD	0.812	0.812	0.812	0.812	0.812	0.812	0.812	0.812	0.812	0.812	0.812	0.812	0.812	0.812	0.812	0.812	0.812	0.812	0.812	0.812	0.812	0.812	0.812	0.812	0.812
MC	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026
TAXI	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019
PV4	0.097	0.097	0.097	0.097	0.097	0.097	0.097	0.097	0.097	0.097	0.097	0.097	0.097	0.097	0.097	0.097	0.097	0.097	0.097	0.097	0.097	0.097	0.097	0.097	0.097
PV5	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335
NFB6	0.775	0.775	0.775	0.775	0.775	0.775	0.775	0.775	0.775	0.775	0.775	0.775	0.775	0.775	0.775	0.775	0.775	0.775	0.775	0.775	0.775	0.775	0.775	0.775	0.775
NFB7	1.553	1.553	1.553	1.553	1.553	1.553	1.553	1.553	1.553	1.553	1.553	1.553	1.553	1.553	1.553	1.553	1.553	1.553	1.553	1.553	1.553	1.553	1.553	1.553	1.553
NFB8	0.628	0.628	0.628	0.628	0.628	0.628	0.628	0.628	0.628	0.628	0.628	0.628	0.628	0.628	0.628	0.628	0.628	0.628	0.628	0.628	0.628	0.628	0.628	0.628	0.628
FBSD	0.234	0.234	0.234	0.234	0.234	0.234	0.234	0.234	0.234	0.234	0.234	0.234	0.234	0.234	0.234	0.234	0.234	0.234	0.234	0.234	0.234	0.234	0.234	0.234	0.234

Total composite emission factor (g/Veh/km)	0.0074	0.0082	0.0119	0.0082	0.0082	0.1310	0.1219	0.2529	0.3661	0.3750	0.3087	0.3051	0.3067	0.3049	0.3100	0.3051	0.2869	0.3100	0.3100	0.2541	0.2386	0.0398	0.0102	0.0044
Total composite emission factor (g/Veh/mile)	0.01	0.01	0.02	0.01	0.01	0.21	0.20	0.41	0.59	0.60	0.50	0.49	0.49	0.49	0.50	0.49	0.46	0.50	0.50	0.41	0.38	0.06	0.02	0.01

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: TM13_Lung Yiu Street
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	4	2	1	1	0	3	10	20	32	34	26	23	22	22	24	23	23	24	24	22	13	4	6	1
2	LGV3	1	1	0	1	0	1	5	12	18	19	12	11	10	9	11	11	11	11	12	10	3	3	2	0
3	LGV4	0	0	0	0	0	0	4	6	14	15	10	9	8	7	9	9	9	9	10	8	5	2	1	2
4	PLB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	4	6	14	15	9	8	7	6	8	8	8	8	9	7	3	2	1	1
6	HGV7	0	0	0	0	0	0	1	4	28	32	21	17	19	18	21	20	20	20	19	3	3	1	0	0
7	HGV8	0	0	0	0	0	0	2	4	38	42	21	17	19	18	21	20	20	20	19	3	3	1	0	0
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	1	0
10	TAXI	2	1	1	0	0	0	5	12	19	21	12	11	10	10	11	11	11	11	12	10	4	3	2	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	2	2	2	2	2	2	2	2	2	2	2	2	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	2	2	2	2	2	2	2	2	2	2	2	2	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	2	2	2	2	2	2	2	2	2	2	2	2	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	7	4	2	2	0	4	31	70	169	184	118	103	102	97	112	109	109	110	112	64	35	16	13	4

NO2 emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
LGV3	0.138	0.138	0.138	0.138	0.138	0.138	0.142	0.144	0.144	0.144	0.144	0.144	0.144	0.144	0.144	0.144	0.144	0.147	0.147	0.147	0.144	0.144	0.144	0.144	0.138
LGV4	0.117	0.117	0.117	0.117	0.117	0.117	0.120	0.122	0.122	0.122	0.122	0.122	0.122	0.122	0.122	0.122	0.122	0.125	0.125	0.125	0.122	0.122	0.122	0.122	0.117
PLB	0.104	0.104	0.104	0.104	0.104	0.104	0.108	0.110	0.110	0.110	0.110	0.110	0.110	0.110	0.110	0.110	0.110	0.112	0.112	0.112	0.110	0.110	0.110	0.110	0.104
LGV6	0.566	0.566	0.566	0.566	0.566	0.566	0.582	0.590	0.590	0.590	0.590	0.590	0.590	0.590	0.590	0.590	0.590	0.599	0.599	0.599	0.590	0.590	0.590	0.590	0.566
HGV7	0.888	0.888	0.888	0.888	0.888	0.888	0.917	0.933	0.933	0.933	0.933	0.933	0.933	0.933	0.933	0.933	0.933	0.949	0.949	0.949	0.933	0.933	0.933	0.933	0.888
HGV8	0.462	0.462	0.462	0.462	0.462	0.462	0.482	0.493	0.493	0.493	0.493	0.493	0.493	0.493	0.493	0.493	0.493	0.504	0.504	0.504	0.493	0.493	0.493	0.493	0.462
FBDD	0.728	0.728	0.728	0.728	0.728	0.728	0.759	0.776	0.776	0.776	0.776	0.776	0.776	0.776	0.776	0.776	0.776	0.793	0.793	0.793	0.776	0.776	0.776	0.776	0.728
MC	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.026	0.026	0.026	0.025	0.025	0.025	0.025	0.025
TAXI	0.018	0.018	0.018	0.018	0.018	0.018	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.018
PV4	0.087	0.087	0.087	0.087	0.087	0.087	0.091	0.093	0.093	0.093	0.093	0.093	0.093	0.093	0.093	0.093	0.093	0.095	0.095	0.095	0.093	0.093	0.093	0.093	0.087
PV5	0.304	0.304	0.304	0.304	0.304	0.304	0.315	0.322	0.322	0.322	0.322	0.322	0.322	0.322	0.322	0.322	0.322	0.328	0.328	0.328	0.322	0.322	0.322	0.322	0.304
NFB6	0.703	0.703	0.703	0.703	0.703	0.703	0.730	0.744	0.744	0.744	0.744	0.744	0.744	0.744	0.744	0.744	0.744	0.759	0.759	0.759	0.744	0.744	0.744	0.744	0.703
NFB7	1.426	1.426	1.426	1.426	1.426	1.426	1.473	1.498	1.498	1.498	1.498	1.498	1.498	1.498	1.498	1.498	1.498	1.525	1.525	1.525	1.498	1.498	1.498	1.498	1.426
NFB8	0.564	0.564	0.564	0.564	0.564	0.564	0.587	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.614	0.614	0.614	0.600	0.600	0.600	0.600	0.564
FBSD	0.213	0.213	0.213	0.213	0.213	0.213	0.221	0.225	0.225	0.225	0.225	0.225	0.225	0.225	0.225	0.225	0.225	0.230	0.230	0.230	0.225	0.225	0.225	0.225	0.213

Total composite emission factor (g/Veh/km)	0.0273	0.0412	0.0112	0.0712	0.0000	0.0377	0.1785	0.2529	0.3763	0.3815	0.3750	0.3656	0.3885	0.3850	0.3872	0.3847	0.3920	0.3884	0.3765	0.1740	0.2071	0.2098	0.0839	0.2007
Total composite emission factor (g/Veh/mile)	0.04	0.07	0.02	0.11	0.00	0.06	0.29	0.41	0.61	0.62	0.60	0.59	0.63	0.62	0.62	0.62	0.63	0.63	0.61	0.28	0.33	0.34	0.14	0.32

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: TM14_Lung Mun Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	2	2	2	0	2	5	13	73	96	103	167	173	144	137	154	157	153	145	160	144	116	23	5	6
2	LGV3	1	3	4	1	2	5	8	7	20	24	44	43	40	38	43	43	41	43	43	40	50	15	4	3
3	LGV4	1	1	1	3	2	6	5	4	10	11	38	37	35	34	38	37	38	38	36	35	38	9	4	0
4	PLB	5	3	2	2	2	2	3	6	6	6	12	11	10	10	11	11	11	11	12	10	8	8	7	6
5	LGV6	1	1	1	3	2	6	5	4	11	11	34	33	32	31	34	33	34	34	32	32	37	12	3	1
6	HGV7	0	0	0	0	0	0	1	2	149	190	138	132	123	104	119	135	132	112	100	7	7	2	0	0
7	HGV8	0	0	0	0	0	0	2	11	65	79	26	21	31	27	41	38	20	12	48	9	8	6	2	0
8	FBDD	2	1	1	0	0	0	2	2	4	4	11	11	9	9	11	11	11	11	11	9	8	7	6	6
9	MC	0	0	0	0	0	0	0	1	1	1	5	5	5	4	5	5	5	5	5	5	4	4	3	4
10	TAXI	2	2	2	2	3	5	7	40	48	51	62	70	63	57	63	64	63	63	64	62	59	20	3	1
11	PV4	1	0	0	0	0	0	0	1	1	1	5	5	4	4	5	5	4	5	5	4	4	4	3	2
12	PV5	1	0	0	0	0	0	0	1	1	1	5	5	4	4	5	5	4	5	5	4	4	4	3	2
13	NFB6	3	1	1	1	1	1	2	1	3	4	14	13	12	11	13	13	13	13	14	14	11	10	9	9
14	NFB7	3	1	1	1	1	1	2	1	3	4	14	13	12	11	13	13	13	13	14	14	11	10	9	9
15	NFB8	3	1	1	1	1	1	2	1	3	4	14	13	12	11	13	13	13	13	14	14	11	10	9	9
16	FBSD	3	1	1	1	1	1	2	3	5	6	13	12	11	11	13	12	12	13	13	11	9	8	8	7
	Total Flow (veh)	28	17	17	15	17	33	54	158	426	500	602	597	547	503	581	595	567	536	576	414	385	152	78	65

NO2 emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
LGV3	0.116	0.115	0.115	0.115	0.115	0.115	0.117	0.140	0.142	0.142	0.144	0.128	0.128	0.128	0.130	0.126	0.144	0.144	0.144	0.142	0.142	0.118	0.117	0.116
LGV4	0.095	0.094	0.094	0.094	0.094	0.094	0.096	0.118	0.120	0.120	0.122	0.107	0.107	0.107	0.108	0.104	0.122	0.122	0.122	0.120	0.120	0.097	0.096	0.095
PLB	0.082	0.081	0.081	0.081	0.081	0.081	0.083	0.106	0.108	0.108	0.110	0.094	0.094	0.094	0.096	0.091	0.110	0.110	0.110	0.108	0.108	0.084	0.083	0.082
LGV6	0.473	0.469	0.469	0.469	0.469	0.469	0.478	0.573	0.582	0.582	0.590	0.525	0.525	0.525	0.531	0.513	0.590	0.590	0.590	0.582	0.582	0.482	0.478	0.473
HGV7	0.720	0.712	0.712	0.712	0.712	0.712	0.728	0.902	0.917	0.917	0.933	0.813	0.813	0.813	0.824	0.792	0.933	0.933	0.933	0.917	0.917	0.736	0.728	0.720
HGV8	0.354	0.349	0.349	0.349	0.349	0.349	0.359	0.472	0.482	0.482	0.493	0.413	0.413	0.413	0.420	0.399	0.493	0.493	0.493	0.482	0.482	0.364	0.359	0.354
FBDD	0.569	0.566	0.566	0.566	0.566	0.566	0.573	0.743	0.759	0.759	0.776	0.652	0.652	0.652	0.664	0.631	0.776	0.776	0.776	0.759	0.759	0.577	0.573	0.569
MC	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.025	0.025	0.025	0.025	0.024	0.024	0.024	0.024	0.024	0.025	0.025	0.025	0.025	0.025	0.024	0.024	0.024
TAXI	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.018	0.019	0.019	0.019	0.017	0.017	0.017	0.017	0.017	0.019	0.019	0.019	0.019	0.019	0.016	0.016	0.016
PV4	0.068	0.067	0.067	0.067	0.067	0.067	0.069	0.089	0.091	0.091	0.093	0.079	0.079	0.079	0.080	0.076	0.093	0.093	0.093	0.091	0.091	0.070	0.069	0.068
PV5	0.239	0.236	0.236	0.236	0.236	0.236	0.242	0.309	0.315	0.315	0.322	0.275	0.275	0.275	0.279	0.267	0.322	0.322	0.322	0.315	0.315	0.245	0.242	0.239
NFB6	0.553	0.546	0.546	0.546	0.546	0.546	0.560	0.716	0.730	0.730	0.744	0.636	0.636	0.636	0.646	0.617	0.744	0.744	0.744	0.730	0.730	0.568	0.560	0.553
NFB7	1.157	1.145	1.145	1.145	1.145	1.145	1.170	1.449	1.473	1.473	1.498	1.306	1.306	1.306	1.324	1.272	1.498	1.498	1.498	1.473	1.473	1.183	1.170	1.157
NFB8	0.436	0.430	0.430	0.430	0.430	0.430	0.442	0.575	0.587	0.587	0.600	0.505	0.505	0.505	0.514	0.489	0.600	0.600	0.600	0.587	0.587	0.448	0.442	0.436
FBSD	0.170	0.168	0.168	0.168	0.168	0.168	0.172	0.217	0.221	0.221	0.225	0.194	0.194	0.194	0.197	0.188	0.225	0.225	0.225	0.221	0.221	0.174	0.172	0.170

Total composite emission factor (g/Veh/km)	0.3404	0.2380	0.2400	0.2859	0.2273	0.1971	0.2128	0.1121	0.4537	0.4828	0.3808	0.3163	0.3289	0.3168	0.3268	0.3241	0.3821	0.3637	0.3526	0.2227	0.2244	0.2759	0.3721	0.3998
Total composite emission factor (g/Veh/mile)	0.55	0.38	0.39	0.46	0.37	0.32	0.34	0.18	0.73	0.78	0.61	0.51	0.53	0.51	0.53	0.52	0.62	0.59	0.57	0.36	0.36	0.45	0.60	0.64

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: TM15_Lung Yiu Street
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	3	1	1	1	0	2	7	14	22	23	11	9	9	9	9	9	9	9	9	9	5	1	4	1
2	LGV3	1	1	0	1	0	1	3	9	13	13	4	4	4	3	3	4	4	3	4	4	0	1	2	0
3	LGV4	0	0	0	0	0	0	2	2	9	10	3	4	3	2	3	4	4	3	4	3	1	1	1	2
4	PLB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	2	2	9	10	2	3	2	1	2	3	3	2	3	2	0	1	1	1
6	HGV7	0	0	0	0	0	0	1	2	18	21	16	12	15	14	17	15	15	16	14	1	2	0	0	0
7	HGV8	0	0	0	0	0	0	1	2	24	27	16	12	15	14	17	15	15	16	14	1	2	0	0	0
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	1	0
10	TAXI	1	0	1	0	0	0	3	9	13	15	2	2	1	2	1	2	2	1	2	1	1	1	1	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	2	2	2	1	1	1	1	1	1	1	1	1	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	2	2	2	1	1	1	1	1	1	1	1	1	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	2	2	2	1	1	1	1	1	1	1	1	1	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	5	2	2	2	0	3	19	46	114	125	58	50	53	49	56	56	56	54	54	22	12	5	10	4

NO2 emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
LGV3	0.124	0.124	0.124	0.124	0.124	0.124	0.124	0.124	0.124	0.124	0.124	0.124	0.124	0.124	0.124	0.124	0.124	0.124	0.124	0.124	0.124	0.124	0.124	0.124	0.124
LGV4	0.103	0.103	0.103	0.103	0.103	0.103	0.103	0.103	0.103	0.103	0.103	0.103	0.103	0.103	0.103	0.103	0.103	0.103	0.103	0.103	0.103	0.103	0.103	0.103	0.103
PLB	0.090	0.090	0.090	0.090	0.090	0.090	0.090	0.090	0.090	0.090	0.090	0.090	0.090	0.090	0.090	0.090	0.090	0.090	0.090	0.090	0.090	0.090	0.090	0.090	0.090
LGV6	0.508	0.508	0.508	0.508	0.508	0.508	0.508	0.508	0.508	0.508	0.508	0.508	0.508	0.508	0.508	0.508	0.508	0.508	0.508	0.508	0.508	0.508	0.508	0.508	0.508
HGV7	0.782	0.782	0.782	0.782	0.782	0.782	0.782	0.782	0.782	0.782	0.782	0.782	0.782	0.782	0.782	0.782	0.782	0.782	0.782	0.782	0.782	0.782	0.782	0.782	0.782
HGV8	0.393	0.393	0.393	0.393	0.393	0.393	0.393	0.393	0.393	0.393	0.393	0.393	0.393	0.393	0.393	0.393	0.393	0.393	0.393	0.393	0.393	0.393	0.393	0.393	0.393
FBDD	0.621	0.621	0.621	0.621	0.621	0.621	0.621	0.621	0.621	0.621	0.621	0.621	0.621	0.621	0.621	0.621	0.621	0.621	0.621	0.621	0.621	0.621	0.621	0.621	0.621
MC	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024
TAXI	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017
PV4	0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.075
PV5	0.263	0.263	0.263	0.263	0.263	0.263	0.263	0.263	0.263	0.263	0.263	0.263	0.263	0.263	0.263	0.263	0.263	0.263	0.263	0.263	0.263	0.263	0.263	0.263	0.263
NFB6	0.608	0.608	0.608	0.608	0.608	0.608	0.608	0.608	0.608	0.608	0.608	0.608	0.608	0.608	0.608	0.608	0.608	0.608	0.608	0.608	0.608	0.608	0.608	0.608	0.608
NFB7	1.256	1.256	1.256	1.256	1.256	1.256	1.256	1.256	1.256	1.256	1.256	1.256	1.256	1.256	1.256	1.256	1.256	1.256	1.256	1.256	1.256	1.256	1.256	1.256	1.256
NFB8	0.481	0.481	0.481	0.481	0.481	0.481	0.481	0.481	0.481	0.481	0.481	0.481	0.481	0.481	0.481	0.481	0.481	0.481	0.481	0.481	0.481	0.481	0.481	0.481	0.481
FBSD	0.186	0.186	0.186	0.186	0.186	0.186	0.186	0.186	0.186	0.186	0.186	0.186	0.186	0.186	0.186	0.186	0.186	0.186	0.186	0.186	0.186	0.186	0.186	0.186	0.186

Total composite emission factor (g/Veh/km)	0.0304	0.0639	0.0102	0.0639	0.0000	0.0438	0.1497	0.2082	0.3122	0.3181	0.3974	0.3791	0.4123	0.4074	0.4299	0.4014	0.4014	0.4241	0.3946	0.1395	0.2092	0.1510	0.0914	0.1793
Total composite emission factor (g/Veh/mile)	0.05	0.10	0.02	0.10	0.00	0.07	0.24	0.34	0.50	0.51	0.64	0.61	0.67	0.66	0.69	0.65	0.65	0.68	0.64	0.22	0.34	0.24	0.15	0.29

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: TM16_Lung Hong Street
Year: 2019

Vehicle Classes	Description	Hour 0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	1	1	0	0	0	1	3	6	10	11	15	14	13	13	15	14	14	15	15	13	8	3	2	0
2	LGV3	0	0	0	0	0	0	2	3	5	6	8	7	6	6	8	7	7	8	8	6	3	2	0	0
3	LGV4	0	0	0	0	0	0	2	4	5	5	7	5	5	5	6	5	5	6	6	5	4	1	0	0
4	PLB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	2	4	5	5	7	5	5	5	6	5	5	6	6	5	3	1	0	0
6	HGV7	0	0	0	0	0	0	0	2	10	11	5	5	4	4	4	5	5	4	5	2	1	1	0	0
7	HGV8	0	0	0	0	0	0	1	2	14	15	5	5	4	4	4	5	5	4	5	2	1	1	0	0
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	1	1	0	0	0	0	2	3	6	6	10	9	9	8	10	9	9	10	10	9	3	2	1	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	2	2	0	0	0	1	12	24	55	59	60	53	49	48	56	53	53	56	58	42	23	11	3	0

NO2 emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
LGV3	0.126	0.126	0.126	0.126	0.126	0.126	0.126	0.126	0.126	0.126	0.126	0.126	0.126	0.126	0.126	0.126	0.126	0.126	0.126	0.126	0.126	0.126	0.126	0.126	0.126
LGV4	0.104	0.104	0.104	0.104	0.104	0.104	0.104	0.104	0.104	0.104	0.104	0.104	0.104	0.104	0.104	0.104	0.104	0.104	0.104	0.104	0.104	0.104	0.104	0.104	0.104
PLB	0.091	0.091	0.091	0.091	0.091	0.091	0.091	0.091	0.091	0.091	0.091	0.091	0.091	0.091	0.091	0.091	0.091	0.091	0.091	0.091	0.091	0.091	0.091	0.091	0.091
LGV6	0.513	0.513	0.513	0.513	0.513	0.513	0.513	0.513	0.513	0.513	0.513	0.513	0.513	0.513	0.513	0.513	0.513	0.513	0.513	0.513	0.513	0.513	0.513	0.513	0.513
HGV7	0.792	0.792	0.792	0.792	0.792	0.792	0.792	0.792	0.792	0.792	0.792	0.792	0.792	0.792	0.792	0.792	0.792	0.792	0.792	0.792	0.792	0.792	0.792	0.792	0.792
HGV8	0.399	0.399	0.399	0.399	0.399	0.399	0.399	0.399	0.399	0.399	0.399	0.399	0.399	0.399	0.399	0.399	0.399	0.399	0.399	0.399	0.399	0.399	0.399	0.399	0.399
FBDD	0.631	0.631	0.631	0.631	0.631	0.631	0.631	0.631	0.631	0.631	0.631	0.631	0.631	0.631	0.631	0.631	0.631	0.631	0.631	0.631	0.631	0.631	0.631	0.631	0.631
MC	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024
TAXI	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017
PV4	0.076	0.076	0.076	0.076	0.076	0.076	0.076	0.076	0.076	0.076	0.076	0.076	0.076	0.076	0.076	0.076	0.076	0.076	0.076	0.076	0.076	0.076	0.076	0.076	0.076
PV5	0.267	0.267	0.267	0.267	0.267	0.267	0.267	0.267	0.267	0.267	0.267	0.267	0.267	0.267	0.267	0.267	0.267	0.267	0.267	0.267	0.267	0.267	0.267	0.267	0.267
NFB6	0.617	0.617	0.617	0.617	0.617	0.617	0.617	0.617	0.617	0.617	0.617	0.617	0.617	0.617	0.617	0.617	0.617	0.617	0.617	0.617	0.617	0.617	0.617	0.617	0.617
NFB7	1.272	1.272	1.272	1.272	1.272	1.272	1.272	1.272	1.272	1.272	1.272	1.272	1.272	1.272	1.272	1.272	1.272	1.272	1.272	1.272	1.272	1.272	1.272	1.272	1.272
NFB8	0.489	0.489	0.489	0.489	0.489	0.489	0.489	0.489	0.489	0.489	0.489	0.489	0.489	0.489	0.489	0.489	0.489	0.489	0.489	0.489	0.489	0.489	0.489	0.489	0.489
FBSD	0.188	0.188	0.188	0.188	0.188	0.188	0.188	0.188	0.188	0.188	0.188	0.188	0.188	0.188	0.188	0.188	0.188	0.188	0.188	0.188	0.188	0.188	0.188	0.188	0.188

Total composite emission factor (g/Veh/km)	0.0103	0.0103	0.0000	0.0000	0.0000	0.0038	0.1608	0.2208	0.3155	0.3165	0.2313	0.2358	0.2282	0.2326	0.2156	0.2358	0.2358	0.2156	0.2287	0.1529	0.1567	0.1913	0.0081	0.0000
Total composite emission factor (g/Veh/mile)	0.02	0.02	0.00	0.00	0.00	0.01	0.26	0.36	0.51	0.51	0.37	0.38	0.37	0.38	0.35	0.38	0.38	0.35	0.37	0.25	0.25	0.31	0.01	0.00

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: R1_Internal Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	LGV3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	LGV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	PLB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	HGV7	0	0	0	0	0	0	0	0	21	44	40	38	36	32	40	38	42	38	13	0	0	0	0	0
7	HGV8	0	0	0	0	0	0	0	0	118	246	232	214	208	186	224	220	240	210	76	0	0	0	0	0
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	0	0	0	0	0	0	0	0	139	290	272	252	244	218	264	258	282	248	89	0	0	0	0	0

NO2 emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008
LGV3	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262
LGV4	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232
PLB	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233
LGV6	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049
HGV7	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842
HGV8	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213
FBDD	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004
MC	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031
TAXI	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033
PV4	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195
PV5	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698
NFB6	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618
NFB7	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961
NFB8	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456
FBSD	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492

Total composite emission factor (g/Veh/km)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.3083	1.3087	1.3058	1.3081	1.3061	1.3056	1.3086	1.3059	1.3070	1.3097	1.3052	0.0000	0.0000	0.0000	0.0000	0.0000
Total composite emission factor (g/Veh/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.11	2.11	2.11	2.11	2.11	2.11	2.11	2.11	2.11	2.11	2.11	0.00	0.00	0.00	0.00	0.00

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: R2_Internal Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	LGV3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	LGV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	PLB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	HGV7	0	0	0	0	0	0	0	0	21	44	40	38	36	32	40	38	42	38	13	0	0	0	0	0
7	HGV8	0	0	0	0	0	0	0	0	118	246	232	214	208	186	224	220	240	210	76	0	0	0	0	0
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	0	0	0	0	0	0	0	0	139	290	272	252	244	218	264	258	282	248	89	0	0	0	0	0

NO2 emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008
LGV3	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262
LGV4	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232
PLB	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233
LGV6	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049
HGV7	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842
HGV8	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213
FBDD	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004
MC	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031
TAXI	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033
PV4	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195
PV5	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698
NFB6	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618
NFB7	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961
NFB8	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456
FBSD	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492

Total composite emission factor (g/Veh/km)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.3083	1.3087	1.3058	1.3081	1.3061	1.3056	1.3086	1.3059	1.3070	1.3097	1.3052	0.0000	0.0000	0.0000	0.0000	0.0000
Total composite emission factor (g/Veh/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.11	2.11	2.11	2.11	2.11	2.11	2.11	2.11	2.11	2.11	2.11	0.00	0.00	0.00	0.00	0.00

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: R3_Internal Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	LGV3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	LGV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	PLB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	HGV7	0	0	0	0	0	0	0	0	21	44	40	38	36	32	40	38	42	38	13	0	0	0	0	0
7	HGV8	0	0	0	0	0	0	0	0	118	246	232	214	208	186	224	220	240	210	76	0	0	0	0	0
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	0	0	0	0	0	0	0	0	139	290	272	252	244	218	264	258	282	248	89	0	0	0	0	0

NO2 emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008
LGV3	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262
LGV4	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232
PLB	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233
LGV6	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049
HGV7	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842
HGV8	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213
FBDD	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004
MC	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031
TAXI	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033
PV4	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195
PV5	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698
NFB6	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618
NFB7	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961
NFB8	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456
FBSD	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492

Total composite emission factor (g/Veh/km)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.3083	1.3087	1.3058	1.3081	1.3061	1.3056	1.3086	1.3059	1.3070	1.3097	1.3052	0.0000	0.0000	0.0000	0.0000	0.0000
Total composite emission factor (g/Veh/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.11	2.11	2.11	2.11	2.11	2.11	2.11	2.11	2.11	2.11	2.11	0.00	0.00	0.00	0.00	0.00

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: R4_Internal Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	LGV3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	LGV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	PLB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	HGV7	0	0	0	0	0	0	0	0	21	44	40	38	36	32	40	38	42	38	13	0	0	0	0	0
7	HGV8	0	0	0	0	0	0	0	0	118	246	232	214	208	186	224	220	240	210	76	0	0	0	0	0
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	0	0	0	0	0	0	0	0	139	290	272	252	244	218	264	258	282	248	89	0	0	0	0	0

NO2 emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008
LGV3	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262
LGV4	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232
PLB	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233
LGV6	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049
HGV7	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842
HGV8	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213
FBDD	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004
MC	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031
TAXI	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033
PV4	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195
PV5	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698
NFB6	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618
NFB7	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961
NFB8	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456
FBSD	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492

Total composite emission factor (g/Veh/km)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.3083	1.3087	1.3058	1.3081	1.3061	1.3056	1.3086	1.3059	1.3070	1.3097	1.3052	0.0000	0.0000	0.0000	0.0000	0.0000
Total composite emission factor (g/Veh/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.11	2.11	2.11	2.11	2.11	2.11	2.11	2.11	2.11	2.11	2.11	0.00	0.00	0.00	0.00	0.00

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: R5_Internal Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	LGV3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	LGV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	PLB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	HGV7	0	0	0	0	0	0	0	0	21	44	40	38	36	32	40	38	42	38	13	0	0	0	0	0
7	HGV8	0	0	0	0	0	0	0	0	118	246	232	214	208	186	224	220	240	210	76	0	0	0	0	0
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	0	0	0	0	0	0	0	0	139	290	272	252	244	218	264	258	282	248	89	0	0	0	0	0

NO2 emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008
LGV3	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262
LGV4	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232
PLB	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233
LGV6	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049
HGV7	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842
HGV8	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213
FBDD	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004
MC	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031
TAXI	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033
PV4	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195
PV5	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698
NFB6	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618
NFB7	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961
NFB8	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456
FBSD	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492

Total composite emission factor (g/Veh/km)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.3083	1.3087	1.3058	1.3081	1.3061	1.3056	1.3086	1.3059	1.3070	1.3097	1.3052	0.0000	0.0000	0.0000	0.0000	0.0000
Total composite emission factor (g/Veh/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.11	2.11	2.11	2.11	2.11	2.11	2.11	2.11	2.11	2.11	2.11	0.00	0.00	0.00	0.00	0.00

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: R6_Internal Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	LGV3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	LGV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	PLB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	HGV7	0	0	0	0	0	0	0	0	3	5	4	4	4	4	4	4	5	4	2	0	0	0	0	0
7	HGV8	0	0	0	0	0	0	0	0	14	27	25	24	23	21	25	24	26	23	10	0	0	0	0	0
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	0	0	0	0	0	0	0	0	17	32	29	28	27	25	29	28	31	27	12	0	0	0	0	0

NO2 emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008
LGV3	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262
LGV4	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232
PLB	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233
LGV6	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049
HGV7	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842
HGV8	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213
FBDD	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004
MC	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031
TAXI	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033
PV4	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195
PV5	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698
NFB6	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618
NFB7	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961
NFB8	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456
FBSD	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492

Total composite emission factor (g/Veh/km)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.3243	1.3116	1.3000	1.3031	1.3065	1.3139	1.3000	1.3031	1.3147	1.3065	1.3181	0.0000	0.0000	0.0000	0.0000	0.0000
Total composite emission factor (g/Veh/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.14	2.12	2.10	2.10	2.11	2.12	2.10	2.10	2.12	2.11	2.13	0.00	0.00	0.00	0.00	0.00

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: R7_Internal Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	LGV3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	LGV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	PLB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	HGV7	0	0	0	0	0	0	0	0	3	5	4	4	4	4	4	4	5	4	2	0	0	0	0	0
7	HGV8	0	0	0	0	0	0	0	0	12	25	23	22	21	19	23	22	24	21	8	0	0	0	0	0
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	0	0	0	0	0	0	0	0	15	30	27	26	25	23	27	26	29	25	10	0	0	0	0	0

NO2 emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008
LGV3	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262
LGV4	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232
PLB	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233
LGV6	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049
HGV7	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842
HGV8	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213
FBDD	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004
MC	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031
TAXI	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033
PV4	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195
PV5	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698
NFB6	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618
NFB7	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961
NFB8	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456
FBSD	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492

Total composite emission factor (g/Veh/km)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.3390	1.3181	1.3065	1.3100	1.3139	1.3227	1.3065	1.3100	1.3217	1.3139	1.3390	0.0000	0.0000	0.0000	0.0000	0.0000
Total composite emission factor (g/Veh/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.16	2.13	2.11	2.11	2.12	2.13	2.11	2.11	2.13	2.12	2.16	0.00	0.00	0.00	0.00	0.00

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: R9_Internal Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	LGV3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	LGV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	PLB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	HGV7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	HGV8	0	0	0	0	0	0	0	0	2	2	2	2	2	2	2	2	2	2	2	2	0	0	0	0
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	0	0	0	0	0	0	0	0	2	2	2	2	2	2	2	2	2	2	2	0	0	0	0	0

NO2 emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008
LGV3	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262
LGV4	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232
PLB	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233
LGV6	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049
HGV7	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842
HGV8	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213
FBDD	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004
MC	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031
TAXI	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033
PV4	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195
PV5	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698
NFB6	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618
NFB7	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961
NFB8	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456
FBSD	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492

Total composite emission factor (g/Veh/km)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.2134	1.2134	1.2134	1.2134	1.2134	1.2134	1.2134	1.2134	1.2134	1.2134	1.2134	0.0000	0.0000	0.0000	0.0000	0.0000
Total composite emission factor (g/Veh/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	0.00	0.00	0.00	0.00	0.00

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: R10_Internal Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	LGV3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	LGV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	PLB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	HGV7	0	0	0	0	0	0	0	0	18	39	36	34	32	28	36	34	37	34	11	0	0	0	0	0
7	HGV8	0	0	0	0	0	0	0	0	104	219	207	190	185	165	199	196	214	187	66	0	0	0	0	0
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	0	0	0	0	0	0	0	0	122	258	243	224	217	193	235	230	251	221	77	0	0	0	0	0

NO2 emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008
LGV3	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262
LGV4	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232
PLB	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233
LGV6	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049
HGV7	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842
HGV8	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213
FBDD	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004
MC	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031
TAXI	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033
PV4	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195
PV5	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698
NFB6	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618
NFB7	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961
NFB8	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456
FBSD	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492

Total composite emission factor (g/Veh/km)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.3061	1.3084	1.3065	1.3088	1.3060	1.3045	1.3096	1.3063	1.3060	1.3100	1.3031	0.0000	0.0000	0.0000	0.0000	0.0000
Total composite emission factor (g/Veh/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.11	2.11	2.11	2.11	2.11	2.10	2.11	2.11	2.11	2.11	2.10	0.00	0.00	0.00	0.00	0.00

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: R11_Internal Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	LGV3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	LGV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	PLB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	HGV7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	HGV8	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80

NO2 emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008
LGV3	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262
LGV4	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232
PLB	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233
LGV6	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049
HGV7	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842
HGV8b	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189
FBDD	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004
MC	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031
TAXI	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033
PV4	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195
PV5	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698
NFB6	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618
NFB7	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961
NFB8	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456
FBSD	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492

Total composite emission factor (g/Veh/km)	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885
Total composite emission factor (g/Veh/mile)	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: R12_Internal Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	LGV3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	LGV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	PLB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	HGV7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	HGV8	0	0	0	0	0	0	0	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	0
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	0	0	0	0	0	0	0	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	0

NO2 emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008
LGV3	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262
LGV4	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232
PLB	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233
LGV6	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049
HGV7	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842
HGV8b	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189
FBDD	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004
MC	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031
TAXI	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033
PV4	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195
PV5	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698
NFB6	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618
NFB7	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961
NFB8	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456
FBSD	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492

Total composite emission factor (g/Veh/km)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	0.0000
Total composite emission factor (g/Veh/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	0.00

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: R13_Internal Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	LGV3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	LGV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	PLB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	HGV7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	HGV8	0	0	0	0	0	0	0	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	0
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	0	0	0	0	0	0	0	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	0

NO2 emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008
LGV3	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262
LGV4	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232
PLB	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233
LGV6	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049
HGV7	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842
HGV8b	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189
FBDD	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004
MC	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031
TAXI	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033
PV4	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195
PV5	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698
NFB6	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618
NFB7	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961
NFB8	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456
FBSD	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492

Total composite emission factor (g/Veh/km)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	0.0000
Total composite emission factor (g/Veh/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	0.00

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: R14_Internal Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	LGV3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	LGV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	PLB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	HGV7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	HGV8	66	66	66	66	66	66	66	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	66
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	66	66	66	66	66	66	66	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	66

NO2 emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008
LGV3	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262
LGV4	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232
PLB	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233
LGV6	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049
HGV7	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842
HGV8b	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189
FBDD	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004
MC	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031
TAXI	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033
PV4	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195
PV5	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698
NFB6	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618
NFB7	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961
NFB8	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456
FBSD	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492

Total composite emission factor (g/Veh/km)	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885
Total composite emission factor (g/Veh/mile)	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: R15_Internal Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	LGV3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	LGV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	PLB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	HGV7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	HGV8	66	66	66	66	66	66	66	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	66
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	66	66	66	66	66	66	66	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	66

NO2 emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008
LGV3	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262
LGV4	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232
PLB	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233
LGV6	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049
HGV7	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842
HGV8b	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189
FBDD	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004
MC	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031
TAXI	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033
PV4	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195
PV5	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698
NFB6	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618
NFB7	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961
NFB8	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456
FBSD	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492

Total composite emission factor (g/Veh/km)	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885
Total composite emission factor (g/Veh/mile)	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: R17_Internal Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	LGV3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	LGV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	PLB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	HGV7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	HGV8	66	66	66	66	66	66	66	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	66
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	66	66	66	66	66	66	66	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	66

NO2 emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008
LGV3	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262
LGV4	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232
PLB	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233
LGV6	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049
HGV7	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842
HGV8b	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189
FBDD	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004
MC	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031
TAXI	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033
PV4	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195
PV5	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698
NFB6	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618
NFB7	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961
NFB8	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456
FBSD	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492

Total composite emission factor (g/Veh/km)	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885
Total composite emission factor (g/Veh/mile)	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: R19_Internal Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	LGV3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	LGV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	PLB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	HGV7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	HGV8	0	0	0	0	0	0	0	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166	0
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	0	0	0	0	0	0	0	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166	0

NO2 emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008
LGV3	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262
LGV4	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232
PLB	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233
LGV6	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049
HGV7	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842
HGV8b	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189
FBDD	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004
MC	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031
TAXI	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033
PV4	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195
PV5	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698
NFB6	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618
NFB7	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961
NFB8	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456
FBSD	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492

Total composite emission factor (g/Veh/km)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	0.0000
Total composite emission factor (g/Veh/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	0.00

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: R20_Internal Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	LGV3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	LGV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	PLB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	HGV7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	HGV8	0	0	0	0	0	0	0	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	0
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	0	0	0	0	0	0	0	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	0

NO2 emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008
LGV3	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262
LGV4	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232
PLB	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233
LGV6	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049
HGV7	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842
HGV8b	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189
FBDD	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004
MC	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031
TAXI	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033
PV4	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195
PV5	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698
NFB6	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618
NFB7	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961
NFB8	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456
FBSD	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492

Total composite emission factor (g/Veh/km)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	0.0000
Total composite emission factor (g/Veh/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	0.00

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: R21_Internal Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	LGV3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	LGV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	PLB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	HGV7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	HGV8	132	132	132	132	132	132	132	274	274	274	274	274	274	274	274	274	274	274	274	274	274	274	274	132
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	132	132	132	132	132	132	132	274	274	274	274	274	274	274	274	274	274	274	274	274	274	274	274	132

NO2 emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008
LGV3	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262
LGV4	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232
PLB	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233
LGV6	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049
HGV7	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842
HGV8b	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189
FBDD	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004
MC	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031
TAXI	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033
PV4	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195
PV5	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698
NFB6	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618
NFB7	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961
NFB8	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456
FBSD	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492

Total composite emission factor (g/Veh/km)	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885
Total composite emission factor (g/Veh/mile)	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: R22_Internal Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	LGV3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	LGV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	PLB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	HGV7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	HGV8	132	132	132	132	132	132	132	148	148	148	148	148	148	148	148	148	148	148	148	148	148	148	148	132
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	132	132	132	132	132	132	132	148	148	148	148	148	148	148	148	148	148	148	148	148	148	148	148	132

NO2 emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008
LGV3	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262
LGV4	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232
PLB	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233
LGV6	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049
HGV7	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842
HGV8b	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189	1.189
FBDD	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004
MC	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031
TAXI	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033
PV4	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195
PV5	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698
NFB6	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618
NFB7	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961
NFB8	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456
FBSD	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492

Total composite emission factor (g/Veh/km)	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885	1.1885
Total composite emission factor (g/Veh/mile)	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: R25_Internal Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	LGV3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	LGV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	PLB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	HGV7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	HGV8	0	0	0	0	0	0	0	0	17	17	17	17	17	17	17	17	17	17	17	17	17	17	0	0
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	0	0	0	0	0	0	0	0	17	17	17	17	17	17	17	17	17	17	17	17	0	0	0	0

NO2 emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008
LGV3	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262
LGV4	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232
PLB	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233
LGV6	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049
HGV7	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842
HGV8	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213
FBDD	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004
MC	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031
TAXI	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033
PV4	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195
PV5	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698
NFB6	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618
NFB7	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961
NFB8	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456
FBSD	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492

Total composite emission factor (g/Veh/km)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.2134	1.2134	1.2134	1.2134	1.2134	1.2134	1.2134	1.2134	1.2134	1.2134	1.2134	1.2134	0.0000	0.0000	0.0000	0.0000
Total composite emission factor (g/Veh/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	0.00	0.00	0.00	0.00

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: R26_Internal Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	LGV3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	LGV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	PLB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	HGV7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	HGV8	0	0	0	0	0	0	0	0	17	17	17	17	17	17	17	17	17	17	17	17	17	17	0	0
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	0	0	0	0	0	0	0	0	17	17	17	17	17	17	17	17	17	17	17	17	0	0	0	0

NO2 emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008
LGV3	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262
LGV4	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232
PLB	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233
LGV6	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049
HGV7	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842
HGV8	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213
FBDD	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004
MC	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031
TAXI	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033
PV4	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195
PV5	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698
NFB6	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618
NFB7	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961
NFB8	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456
FBSD	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492

Total composite emission factor (g/Veh/km)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.2134	1.2134	1.2134	1.2134	1.2134	1.2134	1.2134	1.2134	1.2134	1.2134	1.2134	1.2134	0.0000	0.0000	0.0000	0.0000
Total composite emission factor (g/Veh/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	0.00	0.00	0.00	0.00

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: R27_Internal Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	LGV3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	LGV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	PLB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	HGV7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	HGV8	0	0	0	0	0	0	0	0	17	17	17	17	17	17	17	17	17	17	17	17	17	17	0	0
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	0	0	0	0	0	0	0	0	17	17	17	17	17	17	17	17	17	17	17	17	0	0	0	0

NO2 emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008
LGV3	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262
LGV4	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232
PLB	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233
LGV6	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049
HGV7	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842
HGV8	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213
FBDD	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004
MC	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031
TAXI	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033
PV4	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195
PV5	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698
NFB6	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618
NFB7	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961
NFB8	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456
FBSD	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492

Total composite emission factor (g/Veh/km)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.2134	1.2134	1.2134	1.2134	1.2134	1.2134	1.2134	1.2134	1.2134	1.2134	1.2134	1.2134	0.0000	0.0000	0.0000	0.0000
Total composite emission factor (g/Veh/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	0.00	0.00	0.00	0.00

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: R28_Internal Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	LGV3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	LGV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	PLB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	HGV7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	HGV8	0	0	0	0	0	0	0	0	17	17	17	17	17	17	17	17	17	17	17	17	17	17	0	0
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	0	0	0	0	0	0	0	0	17	17	17	17	17	17	17	17	17	17	17	17	0	0	0	0

NO2 emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008
LGV3	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262
LGV4	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232
PLB	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233
LGV6	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049	1.049
HGV7	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842
HGV8	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213
FBDD	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004	2.004
MC	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031
TAXI	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033
PV4	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195
PV5	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698
NFB6	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618	1.618
NFB7	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961	2.961
NFB8	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456	1.456
FBSD	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492	0.492

Total composite emission factor (g/Veh/km)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.2134	1.2134	1.2134	1.2134	1.2134	1.2134	1.2134	1.2134	1.2134	1.2134	1.2134	1.2134	0.0000	0.0000	0.0000	0.0000
Total composite emission factor (g/Veh/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	0.00	0.00	0.00	0.00

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

Pollutant Name: NO

Speed	PC	LGV3	LGV4	PLB	LGV6	HGV7	HGV8	HGV8b	FBDD	MC	TAXI	PV4	PV5	NFB6	NFB7	NFB8	FBSD
km/hr	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL
10	0.145	2.850	2.587	2.797	3.224	4.781	9.912	7.688	13.812	0.588	1.744	1.080	2.127	4.390	7.372	16.186	12.023
17	0.109	2.195	1.979	2.328	2.514	3.574	6.778	5.207	8.892	0.545	1.362	0.833	1.558	3.108	5.444	10.965	8.378
18	0.106	2.133	1.921	2.277	2.447	3.464	6.506	4.993	8.489	0.540	1.326	0.809	1.506	2.995	5.269	10.514	8.060
27	0.087	1.751	1.550	1.902	2.017	2.771	4.878	3.708	6.136	0.501	1.111	0.643	1.180	2.300	4.181	7.824	6.139
28	0.085	1.721	1.520	1.868	1.982	2.716	4.756	3.610	5.962	0.497	1.097	0.628	1.154	2.246	4.095	7.622	5.993
29	0.084	1.692	1.491	1.835	1.949	2.664	4.641	3.518	5.799	0.494	1.083	0.615	1.129	2.196	4.014	7.433	5.856
30	0.083	1.664	1.463	1.804	1.918	2.615	4.533	3.432	5.645	0.490	1.071	0.602	1.106	2.148	3.937	7.255	5.727
31	0.082	1.633	1.428	1.774	1.884	2.565	4.431	3.350	5.502	0.487	1.057	0.579	1.084	2.103	3.863	7.088	5.605
32	0.080	1.609	1.403	1.745	1.855	2.520	4.336	3.273	5.366	0.484	1.043	0.567	1.063	2.060	3.793	6.930	5.490
33	0.079	1.585	1.380	1.717	1.828	2.478	4.245	3.200	5.238	0.481	1.030	0.557	1.043	2.019	3.727	6.781	5.381
34	0.078	1.563	1.358	1.690	1.802	2.437	4.159	3.131	5.116	0.478	1.017	0.546	1.024	1.980	3.665	6.640	5.278
35	0.077	1.541	1.336	1.665	1.777	2.399	4.078	3.065	5.001	0.476	1.005	0.537	1.005	1.943	3.605	6.507	5.180
36	0.076	1.521	1.316	1.640	1.753	2.362	4.001	3.002	4.892	0.473	0.993	0.527	0.988	1.908	3.547	6.380	5.086
37	0.075	1.501	1.297	1.616	1.730	2.327	3.928	2.942	4.789	0.471	0.982	0.519	0.971	1.874	3.492	6.260	4.998
38	0.074	1.483	1.278	1.594	1.708	2.293	3.859	2.885	4.690	0.468	0.971	0.510	0.955	1.842	3.440	6.146	4.913
39	0.073	1.465	1.261	1.572	1.687	2.260	3.793	2.831	4.596	0.466	0.961	0.502	0.940	1.811	3.390	6.037	4.833
40	0.073	1.448	1.244	1.551	1.667	2.229	3.729	2.779	4.506	0.464	0.951	0.495	0.925	1.781	3.341	5.933	4.756
41	0.072	1.431	1.227	1.532	1.648	2.199	3.669	2.729	4.420	0.462	0.941	0.487	0.911	1.753	3.295	5.834	4.682
42	0.071	1.415	1.211	1.513	1.629	2.170	3.612	2.681	4.338	0.460	0.932	0.481	0.898	1.726	3.250	5.740	4.612
43	0.070	1.400	1.196	1.495	1.611	2.142	3.557	2.635	4.259	0.459	0.923	0.474	0.885	1.699	3.207	5.649	4.544
44	0.070	1.385	1.182	1.478	1.593	2.116	3.504	2.591	4.184	0.457	0.914	0.467	0.873	1.674	3.165	5.563	4.480
45	0.069	1.371	1.168	1.462	1.576	2.090	3.453	2.548	4.111	0.455	0.906	0.461	0.861	1.650	3.125	5.480	4.418
50	0.066	1.308	1.104	1.394	1.499	1.973	3.230	2.359	3.789	0.449	0.868	0.434	0.808	1.540	2.944	5.114	4.141
51	0.066	1.297	1.094	1.383	1.485	1.951	3.190	2.325	3.779	0.448	0.861	0.429	0.799	1.521	2.911	5.049	4.092
52	0.065	1.288	1.085	1.372	1.471	1.931	3.152	2.292	3.768	0.447	0.855	0.425	0.790	1.502	2.879	4.986	4.044
53	0.065	1.279	1.075	1.363	1.458	1.911	3.115	2.260	3.759	0.446	0.849	0.421	0.781	1.483	2.848	4.926	3.999
54	0.065	1.270	1.066	1.354	1.445	1.891	3.079	2.229	3.749	0.445	0.843	0.417	0.773	1.465	2.818	4.868	3.954

EMFAC-HK Model (v 4.2) Key Assumptions:

Mode: EMFAC

Calendar Year: 2019

Temperature and relative humidity: 7 degree C (Minimum temperature measured at Tuen Mun Weather Station (Tuen Mun Children and Juvenile Home) in 2020)

Relative Humidity 19% (Minimum relative humidity measured at Tuen Mun Weather Station (Tuen Mun Children and Juvenile Home) in 2020)

Vehicle Population (external traffic): Default (i.e. considering HGV8 emission factors for all external roads and internal roads R1 to R7, R9 and R10)

Vehicle Population (internal traffic): All internal trucks (model year of 2019) are of Euro V standard (i.e. considering HGV8b emission factors for internal roads R11 to R15, R17, R19 to R22)

Vehicle Accrual: Default

Trips: Default (not used. No starting emissions as parking restrictions apply for all identified major roads within the Study Area)

VKT: Default (not used in EMFAC mode)

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

Average Speed

	Road Name	Ref.	Hour by Hour Speed (Km/hr)																							
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1	TM1_Lung Mun Road	1	52	53	53	53	53	53	51	35	28	27	35	41	42	44	41	41	34	29	31	40	40	50	51	52
2	TM2_Unnamed Road to River Trade Terminal	2	18	18	18	18	18	18	18	18	17	17	17	17	17	17	17	17	17	17	17	18	18	18	18	18
3	TM3_Lung Mun Road	3	52	53	53	53	53	53	51	37	35	35	35	44	44	43	41	41	34	29	31	41	44	50	51	52
4	TM5_Lung Mun Road	4	52	53	53	53	53	53	51	35	34	34	33	42	42	42	41	44	33	33	33	34	34	50	51	52
5	TM7_Siu Lang Shui Road	5	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39
6	TM8_Unnamed Road to Cemetery	6	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43
7	TM9_Siu Lang Shui Road	7	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
8	TM10_Lung Fat Street	8	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
9	TM11_Lung Mun Road	9	52	53	53	53	53	53	51	35	34	34	33	42	42	42	41	44	33	33	33	34	34	50	51	52
10	TM12_Unnamed Road to EcoPark	10	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
11	TM13_Lung Yiu Street	11	36	36	36	36	36	36	34	33	33	33	33	33	33	33	33	33	32	32	32	33	33	33	33	36
12	TM14_Lung Mun Road	12	52	53	53	53	53	53	51	35	34	34	33	42	42	42	41	44	33	33	33	34	34	50	51	52
13	TM15_Lung Yiu Street	13	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
14	TM16_Lung Hong Street	14	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44
15	R1_Internal Road	15	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
16	R2_Internal Road	16	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
17	R3_Internal Road	17	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
18	R4_Internal Road	18	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
19	R5_Internal Road	19	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
20	R6_Internal Road	20	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
21	R7_Internal Road	21	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
22	R9_Internal Road	22	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
23	R10_Internal Road	23	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
24	R11_Internal Road	24	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
25	R12_Internal Road	25	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
26	R13_Internal Road	26	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
27	R14_Internal Road	27	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
28	R15_Internal Road	28	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
29	R17_Internal Road	29	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
30	R19_Internal Road	30	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
31	R20_Internal Road	31	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
32	R21_Internal Road	32	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
33	R22_Internal Road	33	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
34	R25_Internal Road	34	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
35	R26_Internal Road	35	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
36	R27_Internal Road	36	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
37	R28_Internal Road	37	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: TM1_Lung Mun Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	16	11	8	5	6	12	32	113	163	176	247	240	209	200	228	223	220	218	236	209	160	51	32	19
2	LGV3	7	5	5	3	3	8	17	29	55	59	76	71	66	63	72	71	70	72	75	66	66	25	13	8
3	LGV4	4	2	2	3	2	7	11	17	36	38	62	58	54	52	59	58	58	59	60	54	54	17	11	6
4	PLB	5	3	2	2	2	2	3	6	10	10	12	11	10	10	11	11	11	11	12	10	8	8	7	6
5	LGV6	4	2	2	3	2	7	11	17	36	38	57	53	50	48	54	53	53	54	55	50	51	20	10	6
6	HGV7	0	0	0	0	0	0	4	20	286	364	274	254	231	225	261	262	268	251	214	16	12	4	0	0
7	HGV8	0	0	0	0	0	0	10	48	666	831	645	590	565	524	632	621	628	588	496	39	28	10	2	0
8	FBDD	2	1	1	0	0	0	2	2	4	4	11	11	9	9	11	11	11	11	11	9	8	7	6	6
9	MC	0	0	0	0	0	0	0	1	1	1	6	6	6	5	6	6	6	6	6	6	5	4	4	4
10	TAXI	9	5	6	4	5	7	15	64	88	96	100	103	92	87	99	97	96	99	102	92	76	34	15	5
11	PV4	1	0	0	0	0	0	0	1	1	1	5	5	4	4	5	5	4	5	5	4	4	4	3	2
12	PV5	1	0	0	0	0	0	0	1	1	1	5	5	4	4	5	5	4	5	5	4	4	4	3	2
13	NFB6	3	1	1	1	1	1	2	3	5	6	16	15	14	13	15	15	15	15	16	14	11	10	9	9
14	NFB7	3	1	1	1	1	1	2	3	5	6	16	15	14	13	15	15	15	15	16	14	11	10	9	9
15	NFB8	3	1	1	1	1	1	2	3	5	6	16	15	14	13	15	15	15	15	16	14	11	10	9	9
16	FBSD	3	1	1	1	1	1	2	3	5	6	13	12	11	11	13	12	12	13	13	11	9	8	8	7
	Total Flow (veh)	61	33	30	24	24	47	113	331	1367	1643	1561	1464	1353	1281	1501	1480	1486	1437	1338	612	518	226	141	98

NO emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.065	0.065	0.065	0.065	0.065	0.065	0.066	0.077	0.085	0.087	0.077	0.072	0.071	0.070	0.072	0.072	0.078	0.084	0.082	0.073	0.073	0.066	0.066	0.065
LGV3	1.288	1.279	1.279	1.279	1.279	1.279	1.297	1.541	1.721	1.751	1.541	1.431	1.415	1.385	1.431	1.431	1.563	1.692	1.633	1.448	1.448	1.308	1.297	1.288
LGV4	1.085	1.075	1.075	1.075	1.075	1.075	1.094	1.336	1.520	1.550	1.336	1.227	1.211	1.182	1.227	1.227	1.358	1.491	1.428	1.244	1.244	1.104	1.094	1.085
PLB	1.372	1.363	1.363	1.363	1.363	1.363	1.383	1.665	1.868	1.902	1.665	1.532	1.513	1.478	1.532	1.532	1.690	1.835	1.774	1.551	1.551	1.394	1.383	1.372
LGV6	1.471	1.458	1.458	1.458	1.458	1.458	1.485	1.777	1.982	2.017	1.777	1.648	1.629	1.593	1.648	1.648	1.802	1.949	1.884	1.667	1.667	1.499	1.485	1.471
HGV7	1.931	1.911	1.911	1.911	1.911	1.911	1.951	2.399	2.716	2.771	2.399	2.199	2.170	2.116	2.199	2.199	2.437	2.664	2.565	2.229	2.229	1.973	1.951	1.931
HGV8	3.152	3.115	3.115	3.115	3.115	3.115	3.190	4.078	4.756	4.878	4.078	3.669	3.612	3.504	3.669	3.669	4.159	4.641	4.431	3.729	3.729	3.230	3.190	3.152
FBDD	3.768	3.759	3.759	3.759	3.759	3.759	3.779	5.001	5.962	6.136	5.001	4.420	4.338	4.184	4.420	4.420	5.116	5.799	5.502	4.506	4.506	3.789	3.779	3.768
MC	0.447	0.446	0.446	0.446	0.446	0.446	0.448	0.476	0.497	0.501	0.476	0.462	0.460	0.457	0.462	0.462	0.478	0.494	0.487	0.464	0.464	0.449	0.448	0.447
TAXI	0.855	0.849	0.849	0.849	0.849	0.849	0.861	1.005	1.097	1.111	1.005	0.941	0.932	0.914	0.941	0.941	1.017	1.083	1.057	0.951	0.951	0.868	0.861	0.855
PV4	0.425	0.421	0.421	0.421	0.421	0.421	0.429	0.537	0.628	0.643	0.537	0.487	0.481	0.467	0.487	0.487	0.546	0.615	0.579	0.495	0.495	0.434	0.429	0.425
PV5	0.790	0.781	0.781	0.781	0.781	0.781	0.799	1.005	1.154	1.180	1.005	0.911	0.898	0.873	0.911	0.911	1.024	1.129	1.084	0.925	0.925	0.808	0.799	0.790
NFB6	1.502	1.483	1.483	1.483	1.483	1.483	1.521	1.943	2.246	2.300	1.943	1.753	1.726	1.674	1.753	1.753	1.980	2.196	2.103	1.781	1.781	1.540	1.521	1.502
NFB7	2.879	2.848	2.848	2.848	2.848	2.848	2.911	3.605	4.095	4.181	3.605	3.295	3.250	3.165	3.295	3.295	3.665	4.014	3.863	3.341	3.341	2.944	2.911	2.879
NFB8	4.986	4.926	4.926	4.926	4.926	4.926	5.049	6.507	7.622	7.824	6.507	5.834	5.740	5.563	5.834	5.834	6.640	7.433	7.088	5.933	5.933	5.114	5.049	4.986
FBSD	4.044	3.999	3.999	3.999	3.999	3.999	4.092	5.180	5.993	6.139	5.180	4.682	4.612	4.480	4.682	4.682	5.278	5.856	5.605	4.756	4.756	4.141	4.092	4.044

Total composite emission factor (g/Veh/km)	1.3742	1.1371	1.2271	1.2974	1.2300	1.0780	1.2743	1.4746	3.2332	3.4034	2.5973	2.3171	2.3251	2.2445	2.3758	2.3761	2.6887	2.9328	2.6609	1.3095	1.3197	1.4516	1.5676	1.8247
Total composite emission factor (g/Veh/mile)	2.22	1.83	1.98	2.09	1.98	1.74	2.06	2.38	5.21	5.49	4.19	3.74	3.75	3.62	3.83	3.83	4.34	4.73	4.29	2.11	2.13	2.34	2.53	2.94

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: TM2_Unnamed Road to River Trade Terminal
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	4	3	2	1	1	1	3	5	8	8	17	13	13	13	15	13	13	15	17	13	10	7	7	5
2	LGV3	3	1	1	1	1	1	1	3	5	5	5	5	4	4	5	5	5	5	5	4	4	3	3	3
3	LGV4	2	1	1	0	0	0	1	2	3	3	4	3	3	3	3	3	3	3	4	3	3	3	3	2
4	PLB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	2	1	1	0	0	0	1	2	3	3	4	3	3	3	3	3	3	3	4	3	3	3	3	2
6	HGV7	0	0	0	0	0	0	2	2	64	69	57	52	38	56	63	54	59	63	65	1	1	1	0	0
7	HGV8	0	0	0	0	0	0	6	16	396	406	333	306	277	265	314	311	324	314	331	2	2	1	0	0
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	2	1	1	1	1	1	1	2	4	5	5	3	3	3	5	3	3	5	5	3	1	1	1	1
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	13	7	6	3	3	3	15	32	483	499	425	385	341	347	408	392	410	408	431	29	24	19	17	13

NO emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.106	0.106	0.106	0.106	0.106	0.106	0.106	0.106	0.109	0.109	0.109	0.109	0.109	0.109	0.109	0.109	0.109	0.109	0.109	0.106	0.106	0.106	0.106	0.106
LGV3	2.133	2.133	2.133	2.133	2.133	2.133	2.133	2.133	2.195	2.195	2.195	2.195	2.195	2.195	2.195	2.195	2.195	2.195	2.195	2.133	2.133	2.133	2.133	2.133
LGV4	1.921	1.921	1.921	1.921	1.921	1.921	1.921	1.921	1.979	1.979	1.979	1.979	1.979	1.979	1.979	1.979	1.979	1.979	1.979	1.921	1.921	1.921	1.921	1.921
PLB	2.277	2.277	2.277	2.277	2.277	2.277	2.277	2.277	2.328	2.328	2.328	2.328	2.328	2.328	2.328	2.328	2.328	2.328	2.328	2.277	2.277	2.277	2.277	2.277
LGV6	2.447	2.447	2.447	2.447	2.447	2.447	2.447	2.447	2.514	2.514	2.514	2.514	2.514	2.514	2.514	2.514	2.514	2.514	2.514	2.447	2.447	2.447	2.447	2.447
HGV7	3.464	3.464	3.464	3.464	3.464	3.464	3.464	3.464	3.574	3.574	3.574	3.574	3.574	3.574	3.574	3.574	3.574	3.574	3.574	3.464	3.464	3.464	3.464	3.464
HGV8	6.506	6.506	6.506	6.506	6.506	6.506	6.506	6.506	6.778	6.778	6.778	6.778	6.778	6.778	6.778	6.778	6.778	6.778	6.778	6.506	6.506	6.506	6.506	6.506
FBDD	8.489	8.489	8.489	8.489	8.489	8.489	8.489	8.489	8.892	8.892	8.892	8.892	8.892	8.892	8.892	8.892	8.892	8.892	8.892	8.489	8.489	8.489	8.489	8.489
MC	0.540	0.540	0.540	0.540	0.540	0.540	0.540	0.540	0.545	0.545	0.545	0.545	0.545	0.545	0.545	0.545	0.545	0.545	0.545	0.540	0.540	0.540	0.540	0.540
TAXI	1.326	1.326	1.326	1.326	1.326	1.326	1.326	1.326	1.362	1.362	1.362	1.362	1.362	1.362	1.362	1.362	1.362	1.362	1.362	1.326	1.326	1.326	1.326	1.326
PV4	0.809	0.809	0.809	0.809	0.809	0.809	0.809	0.809	0.833	0.833	0.833	0.833	0.833	0.833	0.833	0.833	0.833	0.833	0.833	0.809	0.809	0.809	0.809	0.809
PV5	1.506	1.506	1.506	1.506	1.506	1.506	1.506	1.506	1.558	1.558	1.558	1.558	1.558	1.558	1.558	1.558	1.558	1.558	1.558	1.506	1.506	1.506	1.506	1.506
NFB6	2.995	2.995	2.995	2.995	2.995	2.995	2.995	2.995	3.108	3.108	3.108	3.108	3.108	3.108	3.108	3.108	3.108	3.108	3.108	2.995	2.995	2.995	2.995	2.995
NFB7	5.269	5.269	5.269	5.269	5.269	5.269	5.269	5.269	5.444	5.444	5.444	5.444	5.444	5.444	5.444	5.444	5.444	5.444	5.444	5.269	5.269	5.269	5.269	5.269
NFB8	10.514	10.514	10.514	10.514	10.514	10.514	10.514	10.514	10.965	10.965	10.965	10.965	10.965	10.965	10.965	10.965	10.965	10.965	10.965	10.514	10.514	10.514	10.514	10.514
FBSD	8.060	8.060	8.060	8.060	8.060	8.060	8.060	8.060	8.378	8.378	8.378	8.378	8.378	8.378	8.378	8.378	8.378	8.378	8.378	8.060	8.060	8.060	8.060	8.060

Total composite emission factor (g/Veh/km)	1.4009	1.1635	1.3399	1.1884	1.1884	1.1884	3.6071	4.0417	6.0943	6.0733	5.8785	5.9476	5.9854	5.8330	5.8488	5.9461	5.9435	5.8488	5.8315	1.4988	1.6873	1.6600	1.2689	1.3070
Total composite emission factor (g/Veh/mile)	2.26	1.88	2.16	1.92	1.92	1.92	5.82	6.52	9.83	9.80	9.48	9.59	9.65	9.41	9.43	9.59	9.59	9.43	9.41	2.42	2.72	2.68	2.05	2.11

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: TM3_Lung Mun Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	12	8	6	4	5	11	29	108	155	168	230	227	196	187	213	210	207	203	219	196	150	44	25	14
2	LGV3	4	4	4	2	2	7	16	26	50	54	71	66	62	59	67	66	65	67	70	62	62	22	10	5
3	LGV4	2	1	1	3	2	7	10	15	33	35	58	55	51	49	56	55	55	56	56	51	51	14	8	4
4	PLB	5	3	2	2	2	2	3	6	10	10	12	11	10	10	11	11	11	11	12	10	8	8	7	6
5	LGV6	2	1	1	3	2	7	10	15	33	35	53	50	47	45	51	50	50	51	51	47	48	17	7	4
6	HGV7	0	0	0	0	0	0	2	18	222	295	217	202	193	169	198	208	209	188	149	15	11	3	0	0
7	HGV8	0	0	0	0	0	0	4	32	270	425	312	284	288	259	318	310	304	274	165	37	26	9	2	0
8	FBDD	2	1	1	0	0	0	2	2	4	4	11	11	9	9	11	11	11	11	11	9	8	7	6	6
9	MC	0	0	0	0	0	0	0	1	1	1	6	6	6	5	6	6	6	6	6	6	5	4	4	4
10	TAXI	7	4	5	3	4	6	14	62	84	91	95	100	89	84	94	94	93	94	97	89	75	33	14	4
11	PV4	1	0	0	0	0	0	0	1	1	1	5	5	4	4	5	5	4	5	5	4	4	4	3	2
12	PV5	1	0	0	0	0	0	0	1	1	1	5	5	4	4	5	5	4	5	5	4	4	4	3	2
13	NFB6	3	1	1	1	1	1	2	3	5	6	16	15	14	13	15	15	15	15	16	14	11	10	9	9
14	NFB7	3	1	1	1	1	1	2	3	5	6	16	15	14	13	15	15	15	15	16	14	11	10	9	9
15	NFB8	3	1	1	1	1	1	2	3	5	6	16	15	14	13	15	15	15	15	16	14	11	10	9	9
16	FBSD	3	1	1	1	1	1	2	3	5	6	13	12	11	11	13	12	12	13	13	11	9	8	8	7
	Total Flow (veh)	48	26	24	21	21	44	98	299	884	1144	1136	1079	1012	934	1093	1088	1076	1029	907	583	494	207	124	85

NO emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.065	0.065	0.065	0.065	0.065	0.065	0.066	0.075	0.077	0.077	0.077	0.070	0.070	0.070	0.072	0.072	0.078	0.084	0.082	0.072	0.070	0.066	0.066	0.065
LGV3	1.288	1.279	1.279	1.279	1.279	1.279	1.297	1.501	1.541	1.541	1.541	1.385	1.385	1.400	1.431	1.431	1.563	1.692	1.633	1.431	1.385	1.308	1.297	1.288
LGV4	1.085	1.075	1.075	1.075	1.075	1.075	1.094	1.297	1.336	1.336	1.336	1.182	1.182	1.196	1.227	1.227	1.358	1.491	1.428	1.227	1.182	1.104	1.094	1.085
PLB	1.372	1.363	1.363	1.363	1.363	1.363	1.383	1.616	1.665	1.665	1.665	1.478	1.478	1.495	1.532	1.532	1.690	1.835	1.774	1.532	1.478	1.394	1.383	1.372
LGV6	1.471	1.458	1.458	1.458	1.458	1.458	1.485	1.730	1.777	1.777	1.777	1.593	1.593	1.611	1.648	1.648	1.802	1.949	1.884	1.648	1.593	1.499	1.485	1.471
HGV7	1.931	1.911	1.911	1.911	1.911	1.911	1.951	2.327	2.399	2.399	2.399	2.116	2.116	2.142	2.199	2.199	2.437	2.664	2.565	2.199	2.116	1.973	1.951	1.931
HGV8	3.152	3.115	3.115	3.115	3.115	3.115	3.190	3.928	4.078	4.078	4.078	3.504	3.504	3.557	3.669	3.669	4.159	4.641	4.431	3.669	3.504	3.230	3.190	3.152
FBDD	3.768	3.759	3.759	3.759	3.759	3.759	3.779	4.789	5.001	5.001	5.001	4.184	4.184	4.259	4.420	4.420	5.116	5.799	5.502	4.420	4.184	3.789	3.779	3.768
MC	0.447	0.446	0.446	0.446	0.446	0.446	0.448	0.471	0.476	0.476	0.476	0.457	0.457	0.459	0.462	0.462	0.478	0.494	0.487	0.462	0.457	0.449	0.448	0.447
TAXI	0.855	0.849	0.849	0.849	0.849	0.849	0.861	0.982	1.005	1.005	1.005	0.914	0.914	0.923	0.941	0.941	1.017	1.083	1.057	0.941	0.914	0.868	0.861	0.855
PV4	0.425	0.421	0.421	0.421	0.421	0.421	0.429	0.519	0.537	0.537	0.537	0.467	0.467	0.474	0.487	0.487	0.546	0.615	0.579	0.487	0.467	0.434	0.429	0.425
PV5	0.790	0.781	0.781	0.781	0.781	0.781	0.799	0.971	1.005	1.005	1.005	0.873	0.873	0.885	0.911	0.911	1.024	1.129	1.084	0.911	0.873	0.808	0.799	0.790
NFB6	1.502	1.483	1.483	1.483	1.483	1.483	1.521	1.874	1.943	1.943	1.943	1.674	1.674	1.699	1.753	1.753	1.980	2.196	2.103	1.753	1.674	1.540	1.521	1.502
NFB7	2.879	2.848	2.848	2.848	2.848	2.848	2.911	3.492	3.605	3.605	3.605	3.165	3.165	3.207	3.295	3.295	3.665	4.014	3.863	3.295	3.165	2.944	2.911	2.879
NFB8	4.986	4.926	4.926	4.926	4.926	4.926	5.049	6.260	6.507	6.507	6.507	5.563	5.563	5.649	5.834	5.834	6.640	7.433	7.088	5.834	5.563	5.114	5.049	4.986
FBSD	4.044	3.999	3.999	3.999	3.999	3.999	4.092	4.998	5.180	5.180	5.180	4.480	4.480	4.544	4.682	4.682	5.278	5.856	5.605	4.682	4.480	4.141	4.092	4.044

Total composite emission factor (g/Veh/km)	1.5183	1.2564	1.3343	1.3784	1.3013	1.1017	1.1839	1.3114	2.3017	2.5171	2.2298	1.8973	1.9653	1.9655	2.0621	2.0563	2.3072	2.4917	2.0935	1.3081	1.2625	1.4966	1.6781	1.9843
Total composite emission factor (g/Veh/mile)	2.45	2.03	2.15	2.22	2.10	1.78	1.91	2.12	3.71	4.06	3.60	3.06	3.17	3.17	3.33	3.32	3.72	4.02	3.38	2.11	2.04	2.41	2.71	3.20

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: TM5_Lung Mun Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	10	7	5	4	5	11	28	106	152	165	219	217	187	179	203	200	197	193	209	187	142	38	19	9
2	LGV3	2	4	4	2	2	7	16	24	48	52	65	62	58	55	63	62	61	63	64	58	58	18	6	3
3	LGV4	1	1	1	3	2	7	10	14	32	34	54	52	48	46	53	52	52	53	52	48	48	11	5	2
4	PLB	5	3	2	2	2	2	3	6	10	10	12	11	10	10	11	11	11	11	12	10	8	8	7	6
5	LGV6	1	1	1	3	2	7	10	14	32	34	49	47	44	42	48	47	47	48	47	44	45	14	4	2
6	HGV7	0	0	0	0	0	0	2	17	202	251	177	164	157	137	158	170	167	150	137	14	11	3	0	0
7	HGV8	0	0	0	0	0	0	4	28	156	179	80	70	80	73	94	90	64	64	99	31	23	8	2	0
8	FBDD	2	1	1	0	0	0	2	2	4	4	11	11	9	9	11	11	11	11	11	9	8	7	6	6
9	MC	0	0	0	0	0	0	0	1	1	1	6	6	6	5	6	6	6	6	6	6	5	4	4	4
10	TAXI	5	4	5	3	4	6	14	60	82	89	88	94	84	79	88	88	87	88	90	84	70	29	10	1
11	PV4	1	0	0	0	0	0	0	1	1	1	5	5	4	4	5	5	4	5	5	4	4	4	3	2
12	PV5	1	0	0	0	0	0	0	1	1	1	5	5	4	4	5	5	4	5	5	4	4	4	3	2
13	NFB6	3	1	1	1	1	1	2	3	5	6	16	15	14	13	15	15	15	15	16	14	11	10	9	9
14	NFB7	3	1	1	1	1	1	2	3	5	6	16	15	14	13	15	15	15	15	16	14	11	10	9	9
15	NFB8	3	1	1	1	1	1	2	3	5	6	16	15	14	13	15	15	15	15	16	14	11	10	9	9
16	FBSD	3	1	1	1	1	1	2	3	5	6	13	12	11	11	13	12	12	13	13	11	9	8	8	7
	Total Flow (veh)	40	25	23	21	21	44	97	286	741	845	832	801	744	693	803	804	768	755	798	552	468	186	104	71

NO emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.065	0.065	0.065	0.065	0.065	0.065	0.066	0.077	0.078	0.078	0.079	0.071	0.071	0.071	0.072	0.070	0.079	0.079	0.079	0.078	0.078	0.066	0.066	0.065
LGV3	1.288	1.279	1.279	1.279	1.279	1.279	1.297	1.541	1.563	1.563	1.585	1.415	1.415	1.415	1.431	1.385	1.585	1.585	1.585	1.563	1.563	1.308	1.297	1.288
LGV4	1.085	1.075	1.075	1.075	1.075	1.075	1.094	1.336	1.358	1.358	1.380	1.211	1.211	1.211	1.227	1.182	1.380	1.380	1.380	1.358	1.358	1.104	1.094	1.085
PLB	1.372	1.363	1.363	1.363	1.363	1.363	1.383	1.665	1.690	1.690	1.717	1.513	1.513	1.513	1.532	1.478	1.717	1.717	1.717	1.690	1.690	1.394	1.383	1.372
LGV6	1.471	1.458	1.458	1.458	1.458	1.458	1.485	1.777	1.802	1.802	1.828	1.629	1.629	1.629	1.648	1.593	1.828	1.828	1.828	1.802	1.802	1.499	1.485	1.471
HGV7	1.931	1.911	1.911	1.911	1.911	1.911	1.951	2.399	2.437	2.437	2.478	2.170	2.170	2.170	2.199	2.116	2.478	2.478	2.478	2.437	2.437	1.973	1.951	1.931
HGV8	3.152	3.115	3.115	3.115	3.115	3.115	3.190	4.078	4.159	4.159	4.245	3.612	3.612	3.612	3.669	3.504	4.245	4.245	4.245	4.159	4.159	3.230	3.190	3.152
FBDD	3.768	3.759	3.759	3.759	3.759	3.759	3.779	5.001	5.116	5.116	5.238	4.338	4.338	4.338	4.420	4.184	5.238	5.238	5.238	5.116	5.116	3.789	3.779	3.768
MC	0.447	0.446	0.446	0.446	0.446	0.446	0.448	0.476	0.478	0.478	0.481	0.460	0.460	0.460	0.462	0.457	0.481	0.481	0.481	0.478	0.478	0.449	0.448	0.447
TAXI	0.855	0.849	0.849	0.849	0.849	0.849	0.861	1.005	1.017	1.017	1.030	0.932	0.932	0.932	0.941	0.914	1.030	1.030	1.030	1.017	1.017	0.868	0.861	0.855
PV4	0.425	0.421	0.421	0.421	0.421	0.421	0.429	0.537	0.546	0.546	0.557	0.481	0.481	0.481	0.487	0.467	0.557	0.557	0.557	0.546	0.546	0.434	0.429	0.425
PV5	0.790	0.781	0.781	0.781	0.781	0.781	0.799	1.005	1.024	1.024	1.043	0.898	0.898	0.898	0.911	0.873	1.043	1.043	1.043	1.024	1.024	0.808	0.799	0.790
NFB6	1.502	1.483	1.483	1.483	1.483	1.483	1.521	1.943	1.980	1.980	2.019	1.726	1.726	1.726	1.753	1.674	2.019	2.019	2.019	1.980	1.980	1.540	1.521	1.502
NFB7	2.879	2.848	2.848	2.848	2.848	2.848	2.911	3.605	3.665	3.665	3.727	3.250	3.250	3.250	3.295	3.165	3.727	3.727	3.727	3.665	3.665	2.944	2.911	2.879
NFB8	4.986	4.926	4.926	4.926	4.926	4.926	5.049	6.507	6.640	6.640	6.781	5.740	5.740	5.740	5.834	5.563	6.781	6.781	6.781	6.640	6.640	5.114	5.049	4.986
FBSD	4.044	3.999	3.999	3.999	3.999	3.999	4.092	5.180	5.278	5.278	5.381	4.612	4.612	4.612	4.682	4.480	5.381	5.381	5.381	5.278	5.278	4.141	4.092	4.044
Total composite emission factor (g/Veh/km)	1.6476	1.3041	1.3895	1.3784	1.3013	1.1017	1.1954	1.3207	2.0780	2.1221	1.8182	1.5344	1.6079	1.5891	1.6480	1.5834	1.8012	1.7950	1.8641	1.4499	1.4688	1.5573	1.8396	2.2266
Total composite emission factor (g/Veh/mile)	2.66	2.10	2.24	2.22	2.10	1.78	1.93	2.13	3.35	3.42	2.93	2.47	2.59	2.56	2.66	2.55	2.91	2.90	3.01	2.34	2.37	2.51	2.97	3.59

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: TM7_Siu Lang Shui Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	0	0	0	0	0	0	1	4	8	10	7	5	5	5	7	5	5	7	7	5	1	0	0	0
2	LGV3	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0
3	LGV4	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	PLB	0	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	HGV7	0	0	0	0	0	0	0	8	15	18	11	9	9	9	11	9	9	11	11	2	0	0	0	0
7	HGV8	0	0	0	0	0	0	0	6	13	14	8	7	7	7	8	7	7	8	8	4	2	0	0	0
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	0	0	0	0	0	0	1	3	6	8	4	2	2	2	4	2	2	4	4	2	0	0	0	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	0	0	0	0	0	0	2	21	47	55	31	24	24	24	31	24	24	31	31	14	3	0	0	0

NO emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.073	0.073	0.073	0.073	0.073	0.073	0.073	0.073	0.073	0.073	0.073	0.073	0.073	0.073	0.073	0.073	0.073	0.073	0.073	0.073	0.073	0.073	0.073	0.073	0.073
LGV3	1.465	1.465	1.465	1.465	1.465	1.465	1.465	1.465	1.465	1.465	1.465	1.465	1.465	1.465	1.465	1.465	1.465	1.465	1.465	1.465	1.465	1.465	1.465	1.465	1.465
LGV4	1.261	1.261	1.261	1.261	1.261	1.261	1.261	1.261	1.261	1.261	1.261	1.261	1.261	1.261	1.261	1.261	1.261	1.261	1.261	1.261	1.261	1.261	1.261	1.261	1.261
PLB	1.572	1.572	1.572	1.572	1.572	1.572	1.572	1.572	1.572	1.572	1.572	1.572	1.572	1.572	1.572	1.572	1.572	1.572	1.572	1.572	1.572	1.572	1.572	1.572	1.572
LGV6	1.687	1.687	1.687	1.687	1.687	1.687	1.687	1.687	1.687	1.687	1.687	1.687	1.687	1.687	1.687	1.687	1.687	1.687	1.687	1.687	1.687	1.687	1.687	1.687	1.687
HGV7	2.260	2.260	2.260	2.260	2.260	2.260	2.260	2.260	2.260	2.260	2.260	2.260	2.260	2.260	2.260	2.260	2.260	2.260	2.260	2.260	2.260	2.260	2.260	2.260	2.260
HGV8	3.793	3.793	3.793	3.793	3.793	3.793	3.793	3.793	3.793	3.793	3.793	3.793	3.793	3.793	3.793	3.793	3.793	3.793	3.793	3.793	3.793	3.793	3.793	3.793	3.793
FBDD	4.596	4.596	4.596	4.596	4.596	4.596	4.596	4.596	4.596	4.596	4.596	4.596	4.596	4.596	4.596	4.596	4.596	4.596	4.596	4.596	4.596	4.596	4.596	4.596	4.596
MC	0.466	0.466	0.466	0.466	0.466	0.466	0.466	0.466	0.466	0.466	0.466	0.466	0.466	0.466	0.466	0.466	0.466	0.466	0.466	0.466	0.466	0.466	0.466	0.466	0.466
TAXI	0.961	0.961	0.961	0.961	0.961	0.961	0.961	0.961	0.961	0.961	0.961	0.961	0.961	0.961	0.961	0.961	0.961	0.961	0.961	0.961	0.961	0.961	0.961	0.961	0.961
PV4	0.502	0.502	0.502	0.502	0.502	0.502	0.502	0.502	0.502	0.502	0.502	0.502	0.502	0.502	0.502	0.502	0.502	0.502	0.502	0.502	0.502	0.502	0.502	0.502	0.502
PV5	0.940	0.940	0.940	0.940	0.940	0.940	0.940	0.940	0.940	0.940	0.940	0.940	0.940	0.940	0.940	0.940	0.940	0.940	0.940	0.940	0.940	0.940	0.940	0.940	0.940
NFB6	1.811	1.811	1.811	1.811	1.811	1.811	1.811	1.811	1.811	1.811	1.811	1.811	1.811	1.811	1.811	1.811	1.811	1.811	1.811	1.811	1.811	1.811	1.811	1.811	1.811
NFB7	3.390	3.390	3.390	3.390	3.390	3.390	3.390	3.390	3.390	3.390	3.390	3.390	3.390	3.390	3.390	3.390	3.390	3.390	3.390	3.390	3.390	3.390	3.390	3.390	3.390
NFB8	6.037	6.037	6.037	6.037	6.037	6.037	6.037	6.037	6.037	6.037	6.037	6.037	6.037	6.037	6.037	6.037	6.037	6.037	6.037	6.037	6.037	6.037	6.037	6.037	6.037
FBSD	4.833	4.833	4.833	4.833	4.833	4.833	4.833	4.833	4.833	4.833	4.833	4.833	4.833	4.833	4.833	4.833	4.833	4.833	4.833	4.833	4.833	4.833	4.833	4.833	4.833

Total composite emission factor (g/Veh/km)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.5170	2.0958	2.0662	1.9955	1.9684	2.1100	2.1100	2.1100	1.9684	2.1100	2.1100	1.9684	1.9684	1.6745	2.5528	0.0000	0.0000	0.0000
Total composite emission factor (g/Veh/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.83	3.38	3.33	3.22	3.17	3.40	3.40	3.40	3.17	3.40	3.40	3.17	3.17	2.70	4.12	0.00	0.00	0.00

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: TM8_Unnamed Road to Cemetery
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	0	0	0	0	0	0	0	0	2	3	2	1	1	1	2	0	1	1	2	1	0	1	0	0
2	LGV3	0	0	0	0	0	0	0	0	1	0	1	0	1	1	1	0	1	1	1	1	0	0	0	0
3	LGV4	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	PLB	0	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	HGV7	0	0	0	0	0	0	0	1	3	3	2	2	2	2	2	2	2	2	2	0	0	0	0	0
7	HGV8	0	0	0	0	0	0	0	1	2	2	0	1	0	0	0	0	1	0	0	0	0	0	0	0
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	1	0	0	1	0	0	0	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	0	0	0	0	0	0	0	2	11	12	5	5	4	5	5	4	5	4	5	3	0	1	0	0

NO emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.070	0.070	0.070	0.070	0.070	0.070	0.070	0.070	0.070	0.070	0.070	0.070	0.070	0.070	0.070	0.070	0.070	0.070	0.070	0.070	0.070	0.070	0.070	0.070	0.070
LGV3	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400
LGV4	1.196	1.196	1.196	1.196	1.196	1.196	1.196	1.196	1.196	1.196	1.196	1.196	1.196	1.196	1.196	1.196	1.196	1.196	1.196	1.196	1.196	1.196	1.196	1.196	1.196
PLB	1.495	1.495	1.495	1.495	1.495	1.495	1.495	1.495	1.495	1.495	1.495	1.495	1.495	1.495	1.495	1.495	1.495	1.495	1.495	1.495	1.495	1.495	1.495	1.495	1.495
LGV6	1.611	1.611	1.611	1.611	1.611	1.611	1.611	1.611	1.611	1.611	1.611	1.611	1.611	1.611	1.611	1.611	1.611	1.611	1.611	1.611	1.611	1.611	1.611	1.611	1.611
HGV7	2.142	2.142	2.142	2.142	2.142	2.142	2.142	2.142	2.142	2.142	2.142	2.142	2.142	2.142	2.142	2.142	2.142	2.142	2.142	2.142	2.142	2.142	2.142	2.142	2.142
HGV8	3.557	3.557	3.557	3.557	3.557	3.557	3.557	3.557	3.557	3.557	3.557	3.557	3.557	3.557	3.557	3.557	3.557	3.557	3.557	3.557	3.557	3.557	3.557	3.557	3.557
FBDD	4.259	4.259	4.259	4.259	4.259	4.259	4.259	4.259	4.259	4.259	4.259	4.259	4.259	4.259	4.259	4.259	4.259	4.259	4.259	4.259	4.259	4.259	4.259	4.259	4.259
MC	0.459	0.459	0.459	0.459	0.459	0.459	0.459	0.459	0.459	0.459	0.459	0.459	0.459	0.459	0.459	0.459	0.459	0.459	0.459	0.459	0.459	0.459	0.459	0.459	0.459
TAXI	0.923	0.923	0.923	0.923	0.923	0.923	0.923	0.923	0.923	0.923	0.923	0.923	0.923	0.923	0.923	0.923	0.923	0.923	0.923	0.923	0.923	0.923	0.923	0.923	0.923
PV4	0.474	0.474	0.474	0.474	0.474	0.474	0.474	0.474	0.474	0.474	0.474	0.474	0.474	0.474	0.474	0.474	0.474	0.474	0.474	0.474	0.474	0.474	0.474	0.474	0.474
PV5	0.885	0.885	0.885	0.885	0.885	0.885	0.885	0.885	0.885	0.885	0.885	0.885	0.885	0.885	0.885	0.885	0.885	0.885	0.885	0.885	0.885	0.885	0.885	0.885	0.885
NFB6	1.699	1.699	1.699	1.699	1.699	1.699	1.699	1.699	1.699	1.699	1.699	1.699	1.699	1.699	1.699	1.699	1.699	1.699	1.699	1.699	1.699	1.699	1.699	1.699	1.699
NFB7	3.207	3.207	3.207	3.207	3.207	3.207	3.207	3.207	3.207	3.207	3.207	3.207	3.207	3.207	3.207	3.207	3.207	3.207	3.207	3.207	3.207	3.207	3.207	3.207	3.207
NFB8	5.649	5.649	5.649	5.649	5.649	5.649	5.649	5.649	5.649	5.649	5.649	5.649	5.649	5.649	5.649	5.649	5.649	5.649	5.649	5.649	5.649	5.649	5.649	5.649	5.649
FBSD	4.544	4.544	4.544	4.544	4.544	4.544	4.544	4.544	4.544	4.544	4.544	4.544	4.544	4.544	4.544	4.544	4.544	4.544	4.544	4.544	4.544	4.544	4.544	4.544	4.544

Total composite emission factor (g/Veh/km)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2.8494	1.7515	1.6290	1.1650	1.7668	1.4387	1.3355	1.1650	2.1909	1.3355	1.4387	1.1650	0.7976	0.0000	0.0704	0.0000	0.0000
Total composite emission factor (g/Veh/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.60	2.82	2.63	1.88	2.85	2.32	2.15	1.88	3.53	2.15	2.32	1.88	1.29	0.00	0.11	0.00	0.00

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: TM9_Siu Lang Shui Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	0	0	0	0	0	0	1	4	10	13	9	6	6	6	9	5	6	8	9	6	1	1	0	0
2	LGV3	0	0	0	0	0	0	0	0	2	1	2	1	2	2	2	1	2	2	2	2	0	0	0	0
3	LGV4	0	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	PLB	0	0	0	0	0	0	0	0	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	HGV7	0	0	0	0	0	0	0	9	18	21	13	11	11	11	13	11	11	13	13	2	0	0	0	0
7	HGV8	0	0	0	0	0	0	0	7	15	16	8	8	7	7	8	8	5	8	8	4	2	0	0	0
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	0	0	0	0	0	0	1	3	6	8	4	3	2	3	4	3	3	4	4	3	0	0	0	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	0	0	0	0	0	0	2	23	58	67	36	29	28	29	36	28	27	35	36	17	3	1	0	0

NO emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.074	0.074	0.074	0.074	0.074	0.074	0.074	0.074	0.074	0.074	0.074	0.074	0.074	0.074	0.074	0.074	0.074	0.074	0.074	0.074	0.074	0.074	0.074	0.074	0.074
LGV3	1.483	1.483	1.483	1.483	1.483	1.483	1.483	1.483	1.483	1.483	1.483	1.483	1.483	1.483	1.483	1.483	1.483	1.483	1.483	1.483	1.483	1.483	1.483	1.483	1.483
LGV4	1.278	1.278	1.278	1.278	1.278	1.278	1.278	1.278	1.278	1.278	1.278	1.278	1.278	1.278	1.278	1.278	1.278	1.278	1.278	1.278	1.278	1.278	1.278	1.278	1.278
PLB	1.594	1.594	1.594	1.594	1.594	1.594	1.594	1.594	1.594	1.594	1.594	1.594	1.594	1.594	1.594	1.594	1.594	1.594	1.594	1.594	1.594	1.594	1.594	1.594	1.594
LGV6	1.708	1.708	1.708	1.708	1.708	1.708	1.708	1.708	1.708	1.708	1.708	1.708	1.708	1.708	1.708	1.708	1.708	1.708	1.708	1.708	1.708	1.708	1.708	1.708	1.708
HGV7	2.293	2.293	2.293	2.293	2.293	2.293	2.293	2.293	2.293	2.293	2.293	2.293	2.293	2.293	2.293	2.293	2.293	2.293	2.293	2.293	2.293	2.293	2.293	2.293	2.293
HGV8	3.859	3.859	3.859	3.859	3.859	3.859	3.859	3.859	3.859	3.859	3.859	3.859	3.859	3.859	3.859	3.859	3.859	3.859	3.859	3.859	3.859	3.859	3.859	3.859	3.859
FBDD	4.690	4.690	4.690	4.690	4.690	4.690	4.690	4.690	4.690	4.690	4.690	4.690	4.690	4.690	4.690	4.690	4.690	4.690	4.690	4.690	4.690	4.690	4.690	4.690	4.690
MC	0.468	0.468	0.468	0.468	0.468	0.468	0.468	0.468	0.468	0.468	0.468	0.468	0.468	0.468	0.468	0.468	0.468	0.468	0.468	0.468	0.468	0.468	0.468	0.468	0.468
TAXI	0.971	0.971	0.971	0.971	0.971	0.971	0.971	0.971	0.971	0.971	0.971	0.971	0.971	0.971	0.971	0.971	0.971	0.971	0.971	0.971	0.971	0.971	0.971	0.971	0.971
PV4	0.510	0.510	0.510	0.510	0.510	0.510	0.510	0.510	0.510	0.510	0.510	0.510	0.510	0.510	0.510	0.510	0.510	0.510	0.510	0.510	0.510	0.510	0.510	0.510	0.510
PV5	0.955	0.955	0.955	0.955	0.955	0.955	0.955	0.955	0.955	0.955	0.955	0.955	0.955	0.955	0.955	0.955	0.955	0.955	0.955	0.955	0.955	0.955	0.955	0.955	0.955
NFB6	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842
NFB7	3.440	3.440	3.440	3.440	3.440	3.440	3.440	3.440	3.440	3.440	3.440	3.440	3.440	3.440	3.440	3.440	3.440	3.440	3.440	3.440	3.440	3.440	3.440	3.440	3.440
NFB8	6.146	6.146	6.146	6.146	6.146	6.146	6.146	6.146	6.146	6.146	6.146	6.146	6.146	6.146	6.146	6.146	6.146	6.146	6.146	6.146	6.146	6.146	6.146	6.146	6.146
FBSD	4.913	4.913	4.913	4.913	4.913	4.913	4.913	4.913	4.913	4.913	4.913	4.913	4.913	4.913	4.913	4.913	4.913	4.913	4.913	4.913	4.913	4.913	4.913	4.913	4.913

Total composite emission factor (g/Veh/km)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.5226	2.2111	2.0573	1.9769	1.8942	2.1011	2.0566	2.0191	1.8942	2.1734	1.8829	1.9462	1.8942	1.5497	2.5972	0.0743	0.0000	0.0000
Total composite emission factor (g/Veh/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.84	3.57	3.32	3.19	3.06	3.39	3.32	3.26	3.06	3.51	3.04	3.14	3.06	2.50	4.19	0.12	0.00	0.00

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: TM10_Lung Fat Street
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	0	0	0	0	0	0	1	4	10	13	9	6	6	6	9	5	6	8	9	6	1	1	0	0
2	LGV3	0	0	0	0	0	0	0	0	2	1	2	1	2	2	2	1	2	2	2	2	0	0	0	0
3	LGV4	0	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	PLB	0	0	0	0	0	0	0	0	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	HGV7	0	0	0	0	0	0	0	9	18	21	13	11	11	11	13	11	11	13	13	2	0	0	0	0
7	HGV8	0	0	0	0	0	0	0	7	15	16	8	8	7	7	8	8	5	8	8	4	2	0	0	0
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	0	0	0	0	0	0	1	3	6	8	4	3	2	3	4	3	3	4	4	3	0	0	0	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	0	0	0	0	0	0	2	23	58	67	36	29	28	29	36	28	27	35	36	17	3	1	0	0

NO emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.074	0.074	0.074	0.074	0.074	0.074	0.074	0.074	0.074	0.074	0.074	0.074	0.074	0.074	0.074	0.074	0.074	0.074	0.074	0.074	0.074	0.074	0.074	0.074	0.074
LGV3	1.483	1.483	1.483	1.483	1.483	1.483	1.483	1.483	1.483	1.483	1.483	1.483	1.483	1.483	1.483	1.483	1.483	1.483	1.483	1.483	1.483	1.483	1.483	1.483	1.483
LGV4	1.278	1.278	1.278	1.278	1.278	1.278	1.278	1.278	1.278	1.278	1.278	1.278	1.278	1.278	1.278	1.278	1.278	1.278	1.278	1.278	1.278	1.278	1.278	1.278	1.278
PLB	1.594	1.594	1.594	1.594	1.594	1.594	1.594	1.594	1.594	1.594	1.594	1.594	1.594	1.594	1.594	1.594	1.594	1.594	1.594	1.594	1.594	1.594	1.594	1.594	1.594
LGV6	1.708	1.708	1.708	1.708	1.708	1.708	1.708	1.708	1.708	1.708	1.708	1.708	1.708	1.708	1.708	1.708	1.708	1.708	1.708	1.708	1.708	1.708	1.708	1.708	1.708
HGV7	2.293	2.293	2.293	2.293	2.293	2.293	2.293	2.293	2.293	2.293	2.293	2.293	2.293	2.293	2.293	2.293	2.293	2.293	2.293	2.293	2.293	2.293	2.293	2.293	2.293
HGV8	3.859	3.859	3.859	3.859	3.859	3.859	3.859	3.859	3.859	3.859	3.859	3.859	3.859	3.859	3.859	3.859	3.859	3.859	3.859	3.859	3.859	3.859	3.859	3.859	3.859
FBDD	4.690	4.690	4.690	4.690	4.690	4.690	4.690	4.690	4.690	4.690	4.690	4.690	4.690	4.690	4.690	4.690	4.690	4.690	4.690	4.690	4.690	4.690	4.690	4.690	4.690
MC	0.468	0.468	0.468	0.468	0.468	0.468	0.468	0.468	0.468	0.468	0.468	0.468	0.468	0.468	0.468	0.468	0.468	0.468	0.468	0.468	0.468	0.468	0.468	0.468	0.468
TAXI	0.971	0.971	0.971	0.971	0.971	0.971	0.971	0.971	0.971	0.971	0.971	0.971	0.971	0.971	0.971	0.971	0.971	0.971	0.971	0.971	0.971	0.971	0.971	0.971	0.971
PV4	0.510	0.510	0.510	0.510	0.510	0.510	0.510	0.510	0.510	0.510	0.510	0.510	0.510	0.510	0.510	0.510	0.510	0.510	0.510	0.510	0.510	0.510	0.510	0.510	0.510
PV5	0.955	0.955	0.955	0.955	0.955	0.955	0.955	0.955	0.955	0.955	0.955	0.955	0.955	0.955	0.955	0.955	0.955	0.955	0.955	0.955	0.955	0.955	0.955	0.955	0.955
NFB6	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842	1.842
NFB7	3.440	3.440	3.440	3.440	3.440	3.440	3.440	3.440	3.440	3.440	3.440	3.440	3.440	3.440	3.440	3.440	3.440	3.440	3.440	3.440	3.440	3.440	3.440	3.440	3.440
NFB8	6.146	6.146	6.146	6.146	6.146	6.146	6.146	6.146	6.146	6.146	6.146	6.146	6.146	6.146	6.146	6.146	6.146	6.146	6.146	6.146	6.146	6.146	6.146	6.146	6.146
FBSD	4.913	4.913	4.913	4.913	4.913	4.913	4.913	4.913	4.913	4.913	4.913	4.913	4.913	4.913	4.913	4.913	4.913	4.913	4.913	4.913	4.913	4.913	4.913	4.913	4.913

Total composite emission factor (g/Veh/km)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.5226	2.2111	2.0573	1.9769	1.8942	2.1011	2.0566	2.0191	1.8942	2.1734	1.8829	1.9462	1.8942	1.5497	2.5972	0.0743	0.0000	0.0000
Total composite emission factor (g/Veh/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.84	3.57	3.32	3.19	3.06	3.39	3.32	3.26	3.06	3.51	3.04	3.14	3.06	2.50	4.19	0.12	0.00	0.00

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: TM11_Lung Mun Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	6	4	3	1	2	8	23	93	128	137	193	196	166	159	178	180	176	169	184	166	129	27	11	7
2	LGV3	2	4	4	2	2	6	13	19	38	43	56	54	50	47	54	54	52	54	55	50	53	18	6	3
3	LGV4	1	1	1	3	2	6	9	10	24	26	48	46	43	41	47	46	47	47	46	43	43	11	5	2
4	PLB	5	3	2	2	2	2	3	6	6	6	12	11	10	10	11	11	11	11	12	10	8	8	7	6
5	LGV6	1	1	1	3	2	6	9	10	25	26	43	41	39	37	42	41	42	42	41	39	40	14	4	2
6	HGV7	0	0	0	0	0	0	2	6	177	222	159	149	142	122	140	155	152	132	119	10	10	3	0	0
7	HGV8	0	0	0	0	0	0	4	15	103	121	47	38	50	45	62	58	40	32	67	12	11	7	2	0
8	FBDD	2	1	1	0	0	0	2	2	4	4	11	11	9	9	11	11	11	11	11	9	8	7	6	6
9	MC	0	0	0	0	0	0	0	1	1	1	6	6	6	5	6	6	6	6	6	6	5	4	4	4
10	TAXI	4	3	3	2	3	5	12	52	67	72	74	81	73	67	74	75	74	74	76	72	63	23	5	1
11	PV4	1	0	0	0	0	0	0	1	1	1	5	5	4	4	5	5	4	5	5	4	4	4	3	2
12	PV5	1	0	0	0	0	0	0	1	1	1	5	5	4	4	5	5	4	5	5	4	4	4	3	2
13	NFB6	3	1	1	1	1	1	2	3	5	6	16	15	14	13	15	15	15	15	16	14	11	10	9	9
14	NFB7	3	1	1	1	1	1	2	3	5	6	16	15	14	13	15	15	15	15	16	14	11	10	9	9
15	NFB8	3	1	1	1	1	1	2	3	5	6	16	15	14	13	15	15	15	15	16	14	11	10	9	9
16	FBSD	3	1	1	1	1	1	2	3	5	6	13	12	11	11	13	12	12	13	13	11	9	8	8	7
	Total Flow (veh)	35	21	19	17	17	37	85	228	595	684	720	700	649	600	693	704	676	646	688	478	420	168	91	69

NO emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.065	0.065	0.065	0.065	0.065	0.065	0.066	0.077	0.078	0.078	0.079	0.071	0.071	0.071	0.072	0.070	0.079	0.079	0.079	0.078	0.078	0.066	0.066	0.065
LGV3	1.288	1.279	1.279	1.279	1.279	1.279	1.297	1.541	1.563	1.563	1.585	1.415	1.415	1.415	1.431	1.385	1.585	1.585	1.585	1.563	1.563	1.308	1.297	1.288
LGV4	1.085	1.075	1.075	1.075	1.075	1.075	1.094	1.336	1.358	1.358	1.380	1.211	1.211	1.211	1.227	1.182	1.380	1.380	1.380	1.358	1.358	1.104	1.094	1.085
PLB	1.372	1.363	1.363	1.363	1.363	1.363	1.383	1.665	1.690	1.690	1.717	1.513	1.513	1.513	1.532	1.478	1.717	1.717	1.717	1.690	1.690	1.394	1.383	1.372
LGV6	1.471	1.458	1.458	1.458	1.458	1.458	1.485	1.777	1.802	1.802	1.828	1.629	1.629	1.629	1.648	1.593	1.828	1.828	1.828	1.802	1.802	1.499	1.485	1.471
HGV7	1.931	1.911	1.911	1.911	1.911	1.911	1.951	2.399	2.437	2.437	2.478	2.170	2.170	2.170	2.199	2.116	2.478	2.478	2.478	2.437	2.437	1.973	1.951	1.931
HGV8	3.152	3.115	3.115	3.115	3.115	3.115	3.190	4.078	4.159	4.159	4.245	3.612	3.612	3.612	3.669	3.504	4.245	4.245	4.245	4.159	4.159	3.230	3.190	3.152
FBDD	3.768	3.759	3.759	3.759	3.759	3.759	3.779	5.001	5.116	5.116	5.238	4.338	4.338	4.338	4.420	4.184	5.238	5.238	5.238	5.116	5.116	3.789	3.779	3.768
MC	0.447	0.446	0.446	0.446	0.446	0.446	0.448	0.476	0.478	0.478	0.481	0.460	0.460	0.460	0.462	0.457	0.481	0.481	0.481	0.478	0.478	0.449	0.448	0.447
TAXI	0.855	0.849	0.849	0.849	0.849	0.849	0.861	1.005	1.017	1.017	1.030	0.932	0.932	0.932	0.941	0.914	1.030	1.030	1.030	1.017	1.017	0.868	0.861	0.855
PV4	0.425	0.421	0.421	0.421	0.421	0.421	0.429	0.537	0.546	0.546	0.557	0.481	0.481	0.481	0.487	0.467	0.557	0.557	0.557	0.546	0.546	0.434	0.429	0.425
PV5	0.790	0.781	0.781	0.781	0.781	0.781	0.799	1.005	1.024	1.024	1.043	0.898	0.898	0.898	0.911	0.873	1.043	1.043	1.043	1.024	1.024	0.808	0.799	0.790
NFB6	1.502	1.483	1.483	1.483	1.483	1.483	1.521	1.943	1.980	1.980	2.019	1.726	1.726	1.726	1.753	1.674	2.019	2.019	2.019	1.980	1.980	1.540	1.521	1.502
NFB7	2.879	2.848	2.848	2.848	2.848	2.848	2.911	3.605	3.665	3.665	3.727	3.250	3.250	3.250	3.295	3.165	3.727	3.727	3.727	3.665	3.665	2.944	2.911	2.879
NFB8	4.986	4.926	4.926	4.926	4.926	4.926	5.049	6.507	6.640	6.640	6.781	5.740	5.740	5.740	5.834	5.563	6.781	6.781	6.781	6.640	6.640	5.114	5.049	4.986
FBSD	4.044	3.999	3.999	3.999	3.999	3.999	4.092	5.180	5.278	5.278	5.381	4.612	4.612	4.612	4.682	4.480	5.381	5.381	5.381	5.278	5.278	4.141	4.092	4.044
Total composite emission factor (g/Veh/km)	1.8511	1.5028	1.5858	1.6413	1.5460	1.1788	1.2639	1.1803	2.0092	2.0697	1.7751	1.4843	1.5687	1.5491	1.6179	1.5457	1.7735	1.7414	1.8273	1.4004	1.4364	1.6696	2.0493	2.2893
Total composite emission factor (g/Veh/mile)	2.99	2.42	2.56	2.65	2.49	1.90	2.04	1.90	3.24	3.34	2.86	2.39	2.53	2.50	2.61	2.49	2.86	2.81	2.95	2.26	2.32	2.69	3.31	3.69

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: TM12_Unnamed Road to EcoPark
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	4	3	2	3	3	3	4	9	14	15	17	15	15	14	16	15	15	16	16	15	12	10	8	2
2	LGV3	0	0	0	0	0	1	3	5	8	8	7	7	6	6	7	7	7	7	7	6	5	0	0	0
3	LGV4	0	0	0	0	0	1	1	4	6	6	6	6	5	5	6	6	5	6	6	5	5	0	0	0
4	PLB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	1	1	4	6	6	6	6	5	5	6	6	5	6	6	5	5	0	0	0
6	HGV7	0	0	0	0	0	0	0	2	7	8	5	4	4	4	5	4	4	5	5	2	1	0	0	0
7	HGV8	0	0	0	0	0	0	0	6	38	42	25	24	23	21	24	24	19	24	24	15	10	1	0	0
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	1	1	2	1	1	1	1	5	9	9	10	10	9	9	10	10	10	10	10	9	7	6	5	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	5	4	4	4	4	7	10	35	88	94	76	72	67	64	74	72	65	74	74	57	45	17	13	2

NO emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.082	0.082	0.082	0.082	0.082	0.082	0.082	0.082	0.082	0.082	0.082	0.082	0.082	0.082	0.082	0.082	0.082	0.082	0.082	0.082	0.082	0.082	0.082	0.082	0.082
LGV3	1.633	1.633	1.633	1.633	1.633	1.633	1.633	1.633	1.633	1.633	1.633	1.633	1.633	1.633	1.633	1.633	1.633	1.633	1.633	1.633	1.633	1.633	1.633	1.633	1.633
LGV4	1.428	1.428	1.428	1.428	1.428	1.428	1.428	1.428	1.428	1.428	1.428	1.428	1.428	1.428	1.428	1.428	1.428	1.428	1.428	1.428	1.428	1.428	1.428	1.428	1.428
PLB	1.774	1.774	1.774	1.774	1.774	1.774	1.774	1.774	1.774	1.774	1.774	1.774	1.774	1.774	1.774	1.774	1.774	1.774	1.774	1.774	1.774	1.774	1.774	1.774	1.774
LGV6	1.884	1.884	1.884	1.884	1.884	1.884	1.884	1.884	1.884	1.884	1.884	1.884	1.884	1.884	1.884	1.884	1.884	1.884	1.884	1.884	1.884	1.884	1.884	1.884	1.884
HGV7	2.565	2.565	2.565	2.565	2.565	2.565	2.565	2.565	2.565	2.565	2.565	2.565	2.565	2.565	2.565	2.565	2.565	2.565	2.565	2.565	2.565	2.565	2.565	2.565	2.565
HGV8	4.431	4.431	4.431	4.431	4.431	4.431	4.431	4.431	4.431	4.431	4.431	4.431	4.431	4.431	4.431	4.431	4.431	4.431	4.431	4.431	4.431	4.431	4.431	4.431	4.431
FBDD	5.502	5.502	5.502	5.502	5.502	5.502	5.502	5.502	5.502	5.502	5.502	5.502	5.502	5.502	5.502	5.502	5.502	5.502	5.502	5.502	5.502	5.502	5.502	5.502	5.502
MC	0.487	0.487	0.487	0.487	0.487	0.487	0.487	0.487	0.487	0.487	0.487	0.487	0.487	0.487	0.487	0.487	0.487	0.487	0.487	0.487	0.487	0.487	0.487	0.487	0.487
TAXI	1.057	1.057	1.057	1.057	1.057	1.057	1.057	1.057	1.057	1.057	1.057	1.057	1.057	1.057	1.057	1.057	1.057	1.057	1.057	1.057	1.057	1.057	1.057	1.057	1.057
PV4	0.579	0.579	0.579	0.579	0.579	0.579	0.579	0.579	0.579	0.579	0.579	0.579	0.579	0.579	0.579	0.579	0.579	0.579	0.579	0.579	0.579	0.579	0.579	0.579	0.579
PV5	1.084	1.084	1.084	1.084	1.084	1.084	1.084	1.084	1.084	1.084	1.084	1.084	1.084	1.084	1.084	1.084	1.084	1.084	1.084	1.084	1.084	1.084	1.084	1.084	1.084
NFB6	2.103	2.103	2.103	2.103	2.103	2.103	2.103	2.103	2.103	2.103	2.103	2.103	2.103	2.103	2.103	2.103	2.103	2.103	2.103	2.103	2.103	2.103	2.103	2.103	2.103
NFB7	3.863	3.863	3.863	3.863	3.863	3.863	3.863	3.863	3.863	3.863	3.863	3.863	3.863	3.863	3.863	3.863	3.863	3.863	3.863	3.863	3.863	3.863	3.863	3.863	3.863
NFB8	7.088	7.088	7.088	7.088	7.088	7.088	7.088	7.088	7.088	7.088	7.088	7.088	7.088	7.088	7.088	7.088	7.088	7.088	7.088	7.088	7.088	7.088	7.088	7.088	7.088
FBSD	5.605	5.605	5.605	5.605	5.605	5.605	5.605	5.605	5.605	5.605	5.605	5.605	5.605	5.605	5.605	5.605	5.605	5.605	5.605	5.605	5.605	5.605	5.605	5.605	5.605

Total composite emission factor (g/Veh/km)	0.2766	0.3254	0.5693	0.3254	0.3254	0.8923	0.9595	1.6900	2.6129	2.6628	2.1956	2.2181	2.2279	2.1926	2.1939	2.2181	2.0652	2.1939	2.1939	1.9069	1.7773	0.6817	0.4567	0.0815
Total composite emission factor (g/Veh/mile)	0.45	0.52	0.92	0.52	0.52	1.44	1.55	2.73	4.21	4.29	3.54	3.58	3.59	3.54	3.54	3.58	3.33	3.54	3.54	3.08	2.87	1.10	0.74	0.13

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: TM13_Lung Yiu Street
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	4	2	1	1	0	3	10	20	32	34	26	23	22	22	24	23	23	24	24	22	13	4	6	1
2	LGV3	1	1	0	1	0	1	5	12	18	19	12	11	10	9	11	11	11	11	12	10	3	3	2	0
3	LGV4	0	0	0	0	0	0	4	6	14	15	10	9	8	7	9	9	9	9	10	8	5	2	1	2
4	PLB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	4	6	14	15	9	8	7	6	8	8	8	8	9	7	3	2	1	1
6	HGV7	0	0	0	0	0	0	1	4	28	32	21	17	19	18	21	20	20	20	19	3	3	1	0	0
7	HGV8	0	0	0	0	0	0	2	4	38	42	21	17	19	18	21	20	20	20	19	3	3	1	0	0
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	1	0
10	TAXI	2	1	1	0	0	0	5	12	19	21	12	11	10	10	11	11	11	11	12	10	4	3	2	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	2	2	2	2	2	2	2	2	2	2	2	2	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	2	2	2	2	2	2	2	2	2	2	2	2	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	2	2	2	2	2	2	2	2	2	2	2	2	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	7	4	2	2	0	4	31	70	169	184	118	103	102	97	112	109	109	110	112	64	35	16	13	4

NO emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.076	0.076	0.076	0.076	0.076	0.076	0.078	0.079	0.079	0.079	0.079	0.079	0.079	0.079	0.079	0.079	0.079	0.080	0.080	0.080	0.079	0.079	0.079	0.079	0.076
LGV3	1.521	1.521	1.521	1.521	1.521	1.521	1.563	1.585	1.585	1.585	1.585	1.585	1.585	1.585	1.585	1.585	1.609	1.609	1.609	1.585	1.585	1.585	1.585	1.585	1.521
LGV4	1.316	1.316	1.316	1.316	1.316	1.316	1.358	1.380	1.380	1.380	1.380	1.380	1.380	1.380	1.380	1.380	1.403	1.403	1.403	1.380	1.380	1.380	1.380	1.380	1.316
PLB	1.640	1.640	1.640	1.640	1.640	1.640	1.690	1.717	1.717	1.717	1.717	1.717	1.717	1.717	1.717	1.717	1.745	1.745	1.745	1.717	1.717	1.717	1.717	1.717	1.640
LGV6	1.753	1.753	1.753	1.753	1.753	1.753	1.802	1.828	1.828	1.828	1.828	1.828	1.828	1.828	1.828	1.828	1.855	1.855	1.855	1.828	1.828	1.828	1.828	1.828	1.753
HGV7	2.362	2.362	2.362	2.362	2.362	2.362	2.437	2.478	2.478	2.478	2.478	2.478	2.478	2.478	2.478	2.478	2.520	2.520	2.520	2.478	2.478	2.478	2.478	2.478	2.362
HGV8	4.001	4.001	4.001	4.001	4.001	4.001	4.159	4.245	4.245	4.245	4.245	4.245	4.245	4.245	4.245	4.245	4.336	4.336	4.336	4.245	4.245	4.245	4.245	4.245	4.001
FBDD	4.892	4.892	4.892	4.892	4.892	4.892	5.116	5.238	5.238	5.238	5.238	5.238	5.238	5.238	5.238	5.238	5.366	5.366	5.366	5.238	5.238	5.238	5.238	5.238	4.892
MC	0.473	0.473	0.473	0.473	0.473	0.473	0.478	0.481	0.481	0.481	0.481	0.481	0.481	0.481	0.481	0.481	0.484	0.484	0.484	0.481	0.481	0.481	0.481	0.481	0.473
TAXI	0.993	0.993	0.993	0.993	0.993	0.993	1.017	1.030	1.030	1.030	1.030	1.030	1.030	1.030	1.030	1.030	1.043	1.043	1.043	1.030	1.030	1.030	1.030	1.030	0.993
PV4	0.527	0.527	0.527	0.527	0.527	0.527	0.546	0.557	0.557	0.557	0.557	0.557	0.557	0.557	0.557	0.557	0.567	0.567	0.567	0.557	0.557	0.557	0.557	0.557	0.527
PV5	0.988	0.988	0.988	0.988	0.988	0.988	1.024	1.043	1.043	1.043	1.043	1.043	1.043	1.043	1.043	1.043	1.063	1.063	1.063	1.043	1.043	1.043	1.043	1.043	0.988
NFB6	1.908	1.908	1.908	1.908	1.908	1.908	1.980	2.019	2.019	2.019	2.019	2.019	2.019	2.019	2.019	2.019	2.060	2.060	2.060	2.019	2.019	2.019	2.019	2.019	1.908
NFB7	3.547	3.547	3.547	3.547	3.547	3.547	3.665	3.727	3.727	3.727	3.727	3.727	3.727	3.727	3.727	3.727	3.793	3.793	3.793	3.727	3.727	3.727	3.727	3.727	3.547
NFB8	6.380	6.380	6.380	6.380	6.380	6.380	6.640	6.781	6.781	6.781	6.781	6.781	6.781	6.781	6.781	6.781	6.930	6.930	6.930	6.781	6.781	6.781	6.781	6.781	6.380
FBSD	5.086	5.086	5.086	5.086	5.086	5.086	5.278	5.381	5.381	5.381	5.381	5.381	5.381	5.381	5.381	5.381	5.490	5.490	5.490	5.381	5.381	5.381	5.381	5.381	5.086

Total composite emission factor (g/Veh/km)	0.5445	0.6665	0.5346	0.7985	0.0000	0.4373	1.1959	1.4879	2.0786	2.0934	1.9526	1.9170	2.0098	1.9946	2.0038	1.9965	2.0335	2.0158	1.9713	1.1309	1.2268	1.3313	0.7226	1.1154
Total composite emission factor (g/Veh/mile)	0.88	1.08	0.86	1.29	0.00	0.71	1.93	2.40	3.35	3.38	3.15	3.09	3.24	3.22	3.23	3.22	3.28	3.25	3.18	1.82	1.98	2.15	1.17	1.80

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: TM14_Lung Mun Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	2	2	2	0	2	5	13	73	96	103	167	173	144	137	154	157	153	145	160	144	116	23	5	6
2	LGV3	1	3	4	1	2	5	8	7	20	24	44	43	40	38	43	43	41	43	43	40	50	15	4	3
3	LGV4	1	1	1	3	2	6	5	4	10	11	38	37	35	34	38	37	38	38	36	35	38	9	4	0
4	PLB	5	3	2	2	2	2	3	6	6	6	12	11	10	10	11	11	11	11	12	10	8	8	7	6
5	LGV6	1	1	1	3	2	6	5	4	11	11	34	33	32	31	34	33	34	34	32	32	37	12	3	1
6	HGV7	0	0	0	0	0	0	1	2	149	190	138	132	123	104	119	135	132	112	100	7	7	2	0	0
7	HGV8	0	0	0	0	0	0	2	11	65	79	26	21	31	27	41	38	20	12	48	9	8	6	2	0
8	FBDD	2	1	1	0	0	0	2	2	4	4	11	11	9	9	11	11	11	11	11	9	8	7	6	6
9	MC	0	0	0	0	0	0	0	1	1	1	5	5	5	4	5	5	5	5	5	5	4	4	3	4
10	TAXI	2	2	2	2	3	5	7	40	48	51	62	70	63	57	63	64	63	63	64	62	59	20	3	1
11	PV4	1	0	0	0	0	0	0	1	1	1	5	5	4	4	5	5	4	5	5	4	4	4	3	2
12	PV5	1	0	0	0	0	0	0	1	1	1	5	5	4	4	5	5	4	5	5	4	4	4	3	2
13	NFB6	3	1	1	1	1	1	2	1	3	4	14	13	12	11	13	13	13	13	14	14	11	10	9	9
14	NFB7	3	1	1	1	1	1	2	1	3	4	14	13	12	11	13	13	13	13	14	14	11	10	9	9
15	NFB8	3	1	1	1	1	1	2	1	3	4	14	13	12	11	13	13	13	13	14	14	11	10	9	9
16	FBSD	3	1	1	1	1	1	2	3	5	6	13	12	11	11	13	12	12	13	13	11	9	8	8	7
	Total Flow (veh)	28	17	17	15	17	33	54	158	426	500	602	597	547	503	581	595	567	536	576	414	385	152	78	65

NO emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.065	0.065	0.065	0.065	0.065	0.065	0.066	0.077	0.078	0.078	0.079	0.071	0.071	0.071	0.072	0.070	0.079	0.079	0.079	0.078	0.078	0.066	0.066	0.065
LGV3	1.288	1.279	1.279	1.279	1.279	1.279	1.297	1.541	1.563	1.563	1.585	1.415	1.415	1.415	1.431	1.385	1.585	1.585	1.585	1.563	1.563	1.308	1.297	1.288
LGV4	1.085	1.075	1.075	1.075	1.075	1.075	1.094	1.336	1.358	1.358	1.380	1.211	1.211	1.211	1.227	1.182	1.380	1.380	1.380	1.358	1.358	1.104	1.094	1.085
PLB	1.372	1.363	1.363	1.363	1.363	1.363	1.383	1.665	1.690	1.690	1.717	1.513	1.513	1.513	1.532	1.478	1.717	1.717	1.717	1.690	1.690	1.394	1.383	1.372
LGV6	1.471	1.458	1.458	1.458	1.458	1.458	1.485	1.777	1.802	1.802	1.828	1.629	1.629	1.629	1.648	1.593	1.828	1.828	1.828	1.802	1.802	1.499	1.485	1.471
HGV7	1.931	1.911	1.911	1.911	1.911	1.911	1.951	2.399	2.437	2.437	2.478	2.170	2.170	2.170	2.199	2.116	2.478	2.478	2.478	2.437	2.437	1.973	1.951	1.931
HGV8	3.152	3.115	3.115	3.115	3.115	3.115	3.190	4.078	4.159	4.159	4.245	3.612	3.612	3.612	3.669	3.504	4.245	4.245	4.245	4.159	4.159	3.230	3.190	3.152
FBDD	3.768	3.759	3.759	3.759	3.759	3.759	3.779	5.001	5.116	5.116	5.238	4.338	4.338	4.338	4.420	4.184	5.238	5.238	5.238	5.116	5.116	3.789	3.779	3.768
MC	0.447	0.446	0.446	0.446	0.446	0.446	0.448	0.476	0.478	0.478	0.481	0.460	0.460	0.460	0.462	0.457	0.481	0.481	0.481	0.478	0.478	0.449	0.448	0.447
TAXI	0.855	0.849	0.849	0.849	0.849	0.849	0.861	1.005	1.017	1.017	1.030	0.932	0.932	0.932	0.941	0.914	1.030	1.030	1.030	1.017	1.017	0.868	0.861	0.855
PV4	0.425	0.421	0.421	0.421	0.421	0.421	0.429	0.537	0.546	0.546	0.557	0.481	0.481	0.481	0.487	0.467	0.557	0.557	0.557	0.546	0.546	0.434	0.429	0.425
PV5	0.790	0.781	0.781	0.781	0.781	0.781	0.799	1.005	1.024	1.024	1.043	0.898	0.898	0.898	0.911	0.873	1.043	1.043	1.043	1.024	1.024	0.808	0.799	0.790
NFB6	1.502	1.483	1.483	1.483	1.483	1.483	1.521	1.943	1.980	1.980	2.019	1.726	1.726	1.726	1.753	1.674	2.019	2.019	2.019	1.980	1.980	1.540	1.521	1.502
NFB7	2.879	2.848	2.848	2.848	2.848	2.848	2.911	3.605	3.665	3.665	3.727	3.250	3.250	3.250	3.295	3.165	3.727	3.727	3.727	3.665	3.665	2.944	2.911	2.879
NFB8	4.986	4.926	4.926	4.926	4.926	4.926	5.049	6.507	6.640	6.640	6.781	5.740	5.740	5.740	5.834	5.563	6.781	6.781	6.781	6.640	6.640	5.114	5.049	4.986
FBSD	4.044	3.999	3.999	3.999	3.999	3.999	4.092	5.180	5.278	5.278	5.381	4.612	4.612	4.612	4.682	4.480	5.381	5.381	5.381	5.278	5.278	4.141	4.092	4.044
Total composite emission factor (g/Veh/km)	2.1976	1.7235	1.7186	1.7705	1.5460	1.2771	1.4322	1.0653	1.9962	2.0747	1.7403	1.4530	1.5361	1.5142	1.5899	1.5198	1.7306	1.6927	1.8062	1.4448	1.4573	1.7322	2.2916	2.3731
Total composite emission factor (g/Veh/mile)	3.54	2.78	2.77	2.86	2.49	2.06	2.31	1.72	3.22	3.35	2.81	2.34	2.48	2.44	2.56	2.45	2.79	2.73	2.91	2.33	2.35	2.79	3.70	3.83

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: TM15_Lung Yiu Street
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	3	1	1	1	0	2	7	14	22	23	11	9	9	9	9	9	9	9	9	9	5	1	4	1
2	LGV3	1	1	0	1	0	1	3	9	13	13	4	4	4	3	3	4	4	3	4	4	0	1	2	0
3	LGV4	0	0	0	0	0	0	2	2	9	10	3	4	3	2	3	4	4	3	4	3	1	1	1	2
4	PLB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	2	2	9	10	2	3	2	1	2	3	3	2	3	2	0	1	1	1
6	HGV7	0	0	0	0	0	0	1	2	18	21	16	12	15	14	17	15	15	16	14	1	2	0	0	0
7	HGV8	0	0	0	0	0	0	1	2	24	27	16	12	15	14	17	15	15	16	14	1	2	0	0	0
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	1	0
10	TAXI	1	0	1	0	0	0	3	9	13	15	2	2	1	2	1	2	2	1	2	1	1	1	1	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	2	2	2	1	1	1	1	1	1	1	1	1	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	2	2	2	1	1	1	1	1	1	1	1	1	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	2	2	2	1	1	1	1	1	1	1	1	1	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	5	2	2	2	0	3	19	46	114	125	58	50	53	49	56	56	56	54	54	22	12	5	10	4

NO emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.069	0.069	0.069	0.069	0.069	0.069	0.069	0.069	0.069	0.069	0.069	0.069	0.069	0.069	0.069	0.069	0.069	0.069	0.069	0.069	0.069	0.069	0.069	0.069	0.069
LGV3	1.371	1.371	1.371	1.371	1.371	1.371	1.371	1.371	1.371	1.371	1.371	1.371	1.371	1.371	1.371	1.371	1.371	1.371	1.371	1.371	1.371	1.371	1.371	1.371	1.371
LGV4	1.168	1.168	1.168	1.168	1.168	1.168	1.168	1.168	1.168	1.168	1.168	1.168	1.168	1.168	1.168	1.168	1.168	1.168	1.168	1.168	1.168	1.168	1.168	1.168	1.168
PLB	1.462	1.462	1.462	1.462	1.462	1.462	1.462	1.462	1.462	1.462	1.462	1.462	1.462	1.462	1.462	1.462	1.462	1.462	1.462	1.462	1.462	1.462	1.462	1.462	1.462
LGV6	1.576	1.576	1.576	1.576	1.576	1.576	1.576	1.576	1.576	1.576	1.576	1.576	1.576	1.576	1.576	1.576	1.576	1.576	1.576	1.576	1.576	1.576	1.576	1.576	1.576
HGV7	2.090	2.090	2.090	2.090	2.090	2.090	2.090	2.090	2.090	2.090	2.090	2.090	2.090	2.090	2.090	2.090	2.090	2.090	2.090	2.090	2.090	2.090	2.090	2.090	2.090
HGV8	3.453	3.453	3.453	3.453	3.453	3.453	3.453	3.453	3.453	3.453	3.453	3.453	3.453	3.453	3.453	3.453	3.453	3.453	3.453	3.453	3.453	3.453	3.453	3.453	3.453
FBDD	4.111	4.111	4.111	4.111	4.111	4.111	4.111	4.111	4.111	4.111	4.111	4.111	4.111	4.111	4.111	4.111	4.111	4.111	4.111	4.111	4.111	4.111	4.111	4.111	4.111
MC	0.455	0.455	0.455	0.455	0.455	0.455	0.455	0.455	0.455	0.455	0.455	0.455	0.455	0.455	0.455	0.455	0.455	0.455	0.455	0.455	0.455	0.455	0.455	0.455	0.455
TAXI	0.906	0.906	0.906	0.906	0.906	0.906	0.906	0.906	0.906	0.906	0.906	0.906	0.906	0.906	0.906	0.906	0.906	0.906	0.906	0.906	0.906	0.906	0.906	0.906	0.906
PV4	0.461	0.461	0.461	0.461	0.461	0.461	0.461	0.461	0.461	0.461	0.461	0.461	0.461	0.461	0.461	0.461	0.461	0.461	0.461	0.461	0.461	0.461	0.461	0.461	0.461
PV5	0.861	0.861	0.861	0.861	0.861	0.861	0.861	0.861	0.861	0.861	0.861	0.861	0.861	0.861	0.861	0.861	0.861	0.861	0.861	0.861	0.861	0.861	0.861	0.861	0.861
NFB6	1.650	1.650	1.650	1.650	1.650	1.650	1.650	1.650	1.650	1.650	1.650	1.650	1.650	1.650	1.650	1.650	1.650	1.650	1.650	1.650	1.650	1.650	1.650	1.650	1.650
NFB7	3.125	3.125	3.125	3.125	3.125	3.125	3.125	3.125	3.125	3.125	3.125	3.125	3.125	3.125	3.125	3.125	3.125	3.125	3.125	3.125	3.125	3.125	3.125	3.125	3.125
NFB8	5.480	5.480	5.480	5.480	5.480	5.480	5.480	5.480	5.480	5.480	5.480	5.480	5.480	5.480	5.480	5.480	5.480	5.480	5.480	5.480	5.480	5.480	5.480	5.480	5.480
FBSD	4.418	4.418	4.418	4.418	4.418	4.418	4.418	4.418	4.418	4.418	4.418	4.418	4.418	4.418	4.418	4.418	4.418	4.418	4.418	4.418	4.418	4.418	4.418	4.418	4.418

Total composite emission factor (g/Veh/km)	0.4968	0.7201	0.4874	0.7201	0.0000	0.5031	0.9655	1.2726	1.7264	1.7445	1.9673	1.8908	2.0287	2.0156	2.0935	1.9851	1.9851	2.0683	1.9560	0.8939	1.1633	1.0179	0.7123	0.9951
Total composite emission factor (g/Veh/mile)	0.80	1.16	0.79	1.16	0.00	0.81	1.56	2.05	2.78	2.81	3.17	3.05	3.27	3.25	3.38	3.20	3.20	3.34	3.15	1.44	1.88	1.64	1.15	1.61

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: TM16_Lung Hong Street
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	1	1	0	0	0	1	3	6	10	11	15	14	13	13	15	14	14	15	15	13	8	3	2	0
2	LGV3	0	0	0	0	0	0	2	3	5	6	8	7	6	6	8	7	7	8	8	6	3	2	0	0
3	LGV4	0	0	0	0	0	0	2	4	5	5	7	5	5	5	6	5	5	6	6	5	4	1	0	0
4	PLB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	2	4	5	5	7	5	5	5	6	5	5	6	6	5	3	1	0	0
6	HGV7	0	0	0	0	0	0	0	2	10	11	5	5	4	4	4	5	5	4	5	2	1	1	0	0
7	HGV8	0	0	0	0	0	0	1	2	14	15	5	5	4	4	4	5	5	4	5	2	1	1	0	0
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	1	1	0	0	0	0	2	3	6	6	10	9	9	8	10	9	9	10	10	9	3	2	1	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	2	2	0	0	0	1	12	24	55	59	60	53	49	48	56	53	53	56	58	42	23	11	3	0

NO emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.070	0.070	0.070	0.070	0.070	0.070	0.070	0.070	0.070	0.070	0.070	0.070	0.070	0.070	0.070	0.070	0.070	0.070	0.070	0.070	0.070	0.070	0.070	0.070	0.070
LGV3	1.385	1.385	1.385	1.385	1.385	1.385	1.385	1.385	1.385	1.385	1.385	1.385	1.385	1.385	1.385	1.385	1.385	1.385	1.385	1.385	1.385	1.385	1.385	1.385	1.385
LGV4	1.182	1.182	1.182	1.182	1.182	1.182	1.182	1.182	1.182	1.182	1.182	1.182	1.182	1.182	1.182	1.182	1.182	1.182	1.182	1.182	1.182	1.182	1.182	1.182	1.182
PLB	1.478	1.478	1.478	1.478	1.478	1.478	1.478	1.478	1.478	1.478	1.478	1.478	1.478	1.478	1.478	1.478	1.478	1.478	1.478	1.478	1.478	1.478	1.478	1.478	1.478
LGV6	1.593	1.593	1.593	1.593	1.593	1.593	1.593	1.593	1.593	1.593	1.593	1.593	1.593	1.593	1.593	1.593	1.593	1.593	1.593	1.593	1.593	1.593	1.593	1.593	1.593
HGV7	2.116	2.116	2.116	2.116	2.116	2.116	2.116	2.116	2.116	2.116	2.116	2.116	2.116	2.116	2.116	2.116	2.116	2.116	2.116	2.116	2.116	2.116	2.116	2.116	2.116
HGV8	3.504	3.504	3.504	3.504	3.504	3.504	3.504	3.504	3.504	3.504	3.504	3.504	3.504	3.504	3.504	3.504	3.504	3.504	3.504	3.504	3.504	3.504	3.504	3.504	3.504
FBDD	4.184	4.184	4.184	4.184	4.184	4.184	4.184	4.184	4.184	4.184	4.184	4.184	4.184	4.184	4.184	4.184	4.184	4.184	4.184	4.184	4.184	4.184	4.184	4.184	4.184
MC	0.457	0.457	0.457	0.457	0.457	0.457	0.457	0.457	0.457	0.457	0.457	0.457	0.457	0.457	0.457	0.457	0.457	0.457	0.457	0.457	0.457	0.457	0.457	0.457	0.457
TAXI	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
PV4	0.467	0.467	0.467	0.467	0.467	0.467	0.467	0.467	0.467	0.467	0.467	0.467	0.467	0.467	0.467	0.467	0.467	0.467	0.467	0.467	0.467	0.467	0.467	0.467	0.467
PV5	0.873	0.873	0.873	0.873	0.873	0.873	0.873	0.873	0.873	0.873	0.873	0.873	0.873	0.873	0.873	0.873	0.873	0.873	0.873	0.873	0.873	0.873	0.873	0.873	0.873
NFB6	1.674	1.674	1.674	1.674	1.674	1.674	1.674	1.674	1.674	1.674	1.674	1.674	1.674	1.674	1.674	1.674	1.674	1.674	1.674	1.674	1.674	1.674	1.674	1.674	1.674
NFB7	3.165	3.165	3.165	3.165	3.165	3.165	3.165	3.165	3.165	3.165	3.165	3.165	3.165	3.165	3.165	3.165	3.165	3.165	3.165	3.165	3.165	3.165	3.165	3.165	3.165
NFB8	5.563	5.563	5.563	5.563	5.563	5.563	5.563	5.563	5.563	5.563	5.563	5.563	5.563	5.563	5.563	5.563	5.563	5.563	5.563	5.563	5.563	5.563	5.563	5.563	5.563
FBSD	4.480	4.480	4.480	4.480	4.480	4.480	4.480	4.480	4.480	4.480	4.480	4.480	4.480	4.480	4.480	4.480	4.480	4.480	4.480	4.480	4.480	4.480	4.480	4.480	4.480

Total composite emission factor (g/Veh/km)	0.4919	0.4919	0.0000	0.0000	0.0000	0.0697	1.1551	1.2356	1.7671	1.7672	1.3198	1.3447	1.3101	1.3184	1.2642	1.3447	1.3447	1.2642	1.3175	1.0132	0.9818	1.2001	0.3511	0.0000
Total composite emission factor (g/Veh/mile)	0.79	0.79	0.00	0.00	0.00	0.11	1.86	1.99	2.85	2.85	2.13	2.17	2.11	2.13	2.04	2.17	2.17	2.04	2.12	1.63	1.58	1.94	0.57	0.00

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: R1_Internal Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	LGV3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	LGV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	PLB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	HGV7	0	0	0	0	0	0	0	0	21	44	40	38	36	32	40	38	42	38	13	0	0	0	0	0
7	HGV8	0	0	0	0	0	0	0	0	118	246	232	214	208	186	224	220	240	210	76	0	0	0	0	0
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	0	0	0	0	0	0	0	0	139	290	272	252	244	218	264	258	282	248	89	0	0	0	0	0

NO emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145
LGV3	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850
LGV4	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587
PLB	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797
LGV6	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224
HGV7	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781
HGV8	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912
FBDD	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812
MC	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588
TAXI	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744
PV4	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080
PV5	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127
NFB6	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390
NFB7	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372
NFB8	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186
FBSD	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023

Total composite emission factor (g/Veh/km)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	9.1369	9.1336	9.1576	9.1384	9.1551	9.1589	9.1347	9.1564	9.1479	9.1259	9.1626	0.0000	0.0000	0.0000	0.0000	0.0000
Total composite emission factor (g/Veh/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.74	14.73	14.77	14.74	14.77	14.77	14.73	14.77	14.75	14.72	14.78	0.00	0.00	0.00	0.00	0.00

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: R2_Internal Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	LGV3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	LGV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	PLB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	HGV7	0	0	0	0	0	0	0	0	21	44	40	38	36	32	40	38	42	38	13	0	0	0	0	0
7	HGV8	0	0	0	0	0	0	0	0	118	246	232	214	208	186	224	220	240	210	76	0	0	0	0	0
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	0	0	0	0	0	0	0	0	139	290	272	252	244	218	264	258	282	248	89	0	0	0	0	0

NO emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145
LGV3	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850
LGV4	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587
PLB	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797
LGV6	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224
HGV7	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781
HGV8	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912
FBDD	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812
MC	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588
TAXI	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744
PV4	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080
PV5	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127
NFB6	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390
NFB7	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372
NFB8	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186
FBSD	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023

Total composite emission factor (g/Veh/km)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	9.1369	9.1336	9.1576	9.1384	9.1551	9.1589	9.1347	9.1564	9.1479	9.1259	9.1626	0.0000	0.0000	0.0000	0.0000	0.0000
Total composite emission factor (g/Veh/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.74	14.73	14.77	14.74	14.77	14.77	14.73	14.77	14.75	14.72	14.78	0.00	0.00	0.00	0.00	0.00

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: R3_Internal Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	LGV3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	LGV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	PLB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	HGV7	0	0	0	0	0	0	0	0	21	44	40	38	36	32	40	38	42	38	13	0	0	0	0	0
7	HGV8	0	0	0	0	0	0	0	0	118	246	232	214	208	186	224	220	240	210	76	0	0	0	0	0
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	0	0	0	0	0	0	0	0	139	290	272	252	244	218	264	258	282	248	89	0	0	0	0	0

NO emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145
LGV3	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850
LGV4	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587
PLB	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797
LGV6	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224
HGV7	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781
HGV8	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912
FBDD	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812
MC	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588
TAXI	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744
PV4	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080
PV5	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127
NFB6	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390
NFB7	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372
NFB8	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186
FBSD	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023

Total composite emission factor (g/Veh/km)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	9.1369	9.1336	9.1576	9.1384	9.1551	9.1589	9.1347	9.1564	9.1479	9.1259	9.1626	0.0000	0.0000	0.0000	0.0000	0.0000
Total composite emission factor (g/Veh/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.74	14.73	14.77	14.74	14.77	14.77	14.73	14.77	14.75	14.72	14.78	0.00	0.00	0.00	0.00	0.00

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: R4_Internal Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	LGV3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	LGV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	PLB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	HGV7	0	0	0	0	0	0	0	0	21	44	40	38	36	32	40	38	42	38	13	0	0	0	0	0
7	HGV8	0	0	0	0	0	0	0	0	118	246	232	214	208	186	224	220	240	210	76	0	0	0	0	0
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	0	0	0	0	0	0	0	0	139	290	272	252	244	218	264	258	282	248	89	0	0	0	0	0

NO emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145
LGV3	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850
LGV4	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587
PLB	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797
LGV6	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224
HGV7	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781
HGV8	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912
FBDD	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812
MC	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588
TAXI	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744
PV4	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080
PV5	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127
NFB6	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390
NFB7	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372
NFB8	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186
FBSD	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023

Total composite emission factor (g/Veh/km)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	9.1369	9.1336	9.1576	9.1384	9.1551	9.1589	9.1347	9.1564	9.1479	9.1259	9.1626	0.0000	0.0000	0.0000	0.0000	0.0000
Total composite emission factor (g/Veh/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.74	14.73	14.77	14.74	14.77	14.77	14.73	14.77	14.75	14.72	14.78	0.00	0.00	0.00	0.00	0.00

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: R5_Internal Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	LGV3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	LGV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	PLB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	HGV7	0	0	0	0	0	0	0	0	21	44	40	38	36	32	40	38	42	38	13	0	0	0	0	0
7	HGV8	0	0	0	0	0	0	0	0	118	246	232	214	208	186	224	220	240	210	76	0	0	0	0	0
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	0	0	0	0	0	0	0	0	139	290	272	252	244	218	264	258	282	248	89	0	0	0	0	0

NO emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145
LGV3	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850
LGV4	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587
PLB	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797
LGV6	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224
HGV7	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781
HGV8	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912
FBDD	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812
MC	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588
TAXI	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744
PV4	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080
PV5	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127
NFB6	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390
NFB7	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372
NFB8	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186
FBSD	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023
Total composite emission factor (g/Veh/km)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	9.1369	9.1336	9.1576	9.1384	9.1551	9.1589	9.1347	9.1564	9.1479	9.1259	9.1626	0.0000	0.0000	0.0000	0.0000	0.0000
Total composite emission factor (g/Veh/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.74	14.73	14.77	14.74	14.77	14.77	14.73	14.77	14.75	14.72	14.78	0.00	0.00	0.00	0.00	0.00

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: R6_Internal Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	LGV3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	LGV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	PLB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	HGV7	0	0	0	0	0	0	0	0	3	5	4	4	4	4	4	4	5	4	2	0	0	0	0	0
7	HGV8	0	0	0	0	0	0	0	0	14	27	25	24	23	21	25	24	26	23	10	0	0	0	0	0
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	0	0	0	0	0	0	0	0	17	32	29	28	27	25	29	28	31	27	12	0	0	0	0	0

NO emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145
LGV3	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850
LGV4	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587
PLB	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797
LGV6	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224
HGV7	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781
HGV8	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912
FBDD	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812
MC	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588
TAXI	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744
PV4	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080
PV5	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127
NFB6	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390
NFB7	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372
NFB8	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186
FBSD	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023

Total composite emission factor (g/Veh/km)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	9.0066	9.1104	9.2044	9.1791	9.1520	9.0911	9.2044	9.1791	9.0845	9.1520	9.0569	0.0000	0.0000	0.0000	0.0000	0.0000
Total composite emission factor (g/Veh/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.53	14.69	14.85	14.81	14.76	14.66	14.85	14.81	14.65	14.76	14.61	0.00	0.00	0.00	0.00	0.00

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: R7_Internal Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	LGV3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	LGV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	PLB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	HGV7	0	0	0	0	0	0	0	0	3	5	4	4	4	4	4	4	5	4	2	0	0	0	0	0
7	HGV8	0	0	0	0	0	0	0	0	12	25	23	22	21	19	23	22	24	21	8	0	0	0	0	0
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	0	0	0	0	0	0	0	0	15	30	27	26	25	23	27	26	29	25	10	0	0	0	0	0

NO emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145
LGV3	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850
LGV4	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587
PLB	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797
LGV6	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224
HGV7	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781
HGV8	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912
FBDD	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812
MC	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588
TAXI	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744
PV4	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080
PV5	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127
NFB6	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390
NFB7	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372
NFB8	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186
FBSD	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023

Total composite emission factor (g/Veh/km)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	8.8859	9.0569	9.1520	9.1227	9.0911	9.0197	9.1520	9.1227	9.0274	9.0911	8.8859	0.0000	0.0000	0.0000	0.0000	0.0000
Total composite emission factor (g/Veh/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.33	14.61	14.76	14.71	14.66	14.55	14.76	14.71	14.56	14.66	14.33	0.00	0.00	0.00	0.00	0.00

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: R9_Internal Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	LGV3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	LGV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	PLB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	HGV7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	HGV8	0	0	0	0	0	0	0	0	2	2	2	2	2	2	2	2	2	2	2	2	0	0	0	0
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	0	0	0	0	0	0	0	0	2	2	2	2	2	2	2	2	2	2	2	0	0	0	0	0

NO emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145
LGV3	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850
LGV4	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587
PLB	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797
LGV6	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224
HGV7	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781
HGV8	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912
FBDD	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812
MC	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588
TAXI	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744
PV4	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080
PV5	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127
NFB6	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390
NFB7	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372
NFB8	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186
FBSD	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023

Total composite emission factor (g/Veh/km)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	9.9122	9.9122	9.9122	9.9122	9.9122	9.9122	9.9122	9.9122	9.9122	9.9122	9.9122	0.0000	0.0000	0.0000	0.0000	0.0000
Total composite emission factor (g/Veh/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.99	15.99	15.99	15.99	15.99	15.99	15.99	15.99	15.99	15.99	15.99	0.00	0.00	0.00	0.00	0.00

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: R10_Internal Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	LGV3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	LGV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	PLB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	HGV7	0	0	0	0	0	0	0	0	18	39	36	34	32	28	36	34	37	34	11	0	0	0	0	0
7	HGV8	0	0	0	0	0	0	0	0	104	219	207	190	185	165	199	196	214	187	66	0	0	0	0	0
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	0	0	0	0	0	0	0	0	122	258	243	224	217	193	235	230	251	221	77	0	0	0	0	0

NO emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145
LGV3	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850
LGV4	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587
PLB	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797
LGV6	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224
HGV7	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781
HGV8	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912
FBDD	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812
MC	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588
TAXI	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744
PV4	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080
PV5	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127
NFB6	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390
NFB7	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372
NFB8	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186
FBSD	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023
Total composite emission factor (g/Veh/km)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	9.1551	9.1365	9.1520	9.1333	9.1555	9.1677	9.1261	9.1536	9.1557	9.1227	9.1791	0.0000	0.0000	0.0000	0.0000	0.0000
Total composite emission factor (g/Veh/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.77	14.74	14.76	14.73	14.77	14.79	14.72	14.76	14.77	14.71	14.81	0.00	0.00	0.00	0.00	0.00

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: R11_Internal Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	LGV3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	LGV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	PLB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	HGV7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	HGV8	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80

NO emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145
LGV3	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850
LGV4	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587
PLB	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797
LGV6	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224
HGV7	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781
HGV8b	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688
FBDD	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812
MC	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588
TAXI	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744
PV4	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080
PV5	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127
NFB6	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390
NFB7	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372
NFB8	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186
FBSD	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023

Total composite emission factor (g/Veh/km)	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875
Total composite emission factor (g/Veh/mile)	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: R12_Internal Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	LGV3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	LGV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	PLB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	HGV7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	HGV8	0	0	0	0	0	0	0	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	0
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	0	0	0	0	0	0	0	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	0

NO emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145
LGV3	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850
LGV4	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587
PLB	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797
LGV6	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224
HGV7	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781
HGV8b	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688
FBDD	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812
MC	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588
TAXI	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744
PV4	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080
PV5	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127
NFB6	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390
NFB7	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372
NFB8	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186
FBSD	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023

Total composite emission factor (g/Veh/km)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	0.0000
Total composite emission factor (g/Veh/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	0.00

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: R13_Internal Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	LGV3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	LGV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	PLB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	HGV7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	HGV8	0	0	0	0	0	0	0	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	0
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	0	0	0	0	0	0	0	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	0

NO emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145
LGV3	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850
LGV4	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587
PLB	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797
LGV6	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224
HGV7	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781
HGV8b	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688
FBDD	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812
MC	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588
TAXI	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744
PV4	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080
PV5	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127
NFB6	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390
NFB7	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372
NFB8	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186
FBSD	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023

Total composite emission factor (g/Veh/km)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	0.0000
Total composite emission factor (g/Veh/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	0.00

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: R14_Internal Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	LGV3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	LGV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	PLB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	HGV7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	HGV8	66	66	66	66	66	66	66	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	66
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	66	66	66	66	66	66	66	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	66

NO emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145
LGV3	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850
LGV4	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587
PLB	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797
LGV6	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224
HGV7	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781
HGV8b	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688
FBDD	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812
MC	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588
TAXI	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744
PV4	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080
PV5	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127
NFB6	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390
NFB7	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372
NFB8	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186
FBSD	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023

Total composite emission factor (g/Veh/km)	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875
Total composite emission factor (g/Veh/mile)	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: R15_Internal Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	LGV3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	LGV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	PLB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	HGV7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	HGV8	66	66	66	66	66	66	66	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	66
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	66	66	66	66	66	66	66	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	66

NO emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145
LGV3	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850
LGV4	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587
PLB	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797
LGV6	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224
HGV7	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781
HGV8b	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688
FBDD	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812
MC	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588
TAXI	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744
PV4	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080
PV5	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127
NFB6	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390
NFB7	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372
NFB8	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186
FBSD	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023

Total composite emission factor (g/Veh/km)	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875
Total composite emission factor (g/Veh/mile)	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: R17_Internal Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	LGV3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	LGV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	PLB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	HGV7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	HGV8	66	66	66	66	66	66	66	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	66
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	66	66	66	66	66	66	66	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	66

NO emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145
LGV3	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850
LGV4	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587
PLB	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797
LGV6	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224
HGV7	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781
HGV8b	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688
FBDD	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812
MC	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588
TAXI	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744
PV4	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080
PV5	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127
NFB6	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390
NFB7	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372
NFB8	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186
FBSD	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023

Total composite emission factor (g/Veh/km)	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875
Total composite emission factor (g/Veh/mile)	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: R19_Internal Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	LGV3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	LGV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	PLB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	HGV7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	HGV8	0	0	0	0	0	0	0	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166	0
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	0	0	0	0	0	0	0	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166	0

NO emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145
LGV3	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850
LGV4	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587
PLB	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797
LGV6	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224
HGV7	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781
HGV8b	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688
FBDD	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812
MC	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588
TAXI	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744
PV4	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080
PV5	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127
NFB6	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390
NFB7	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372
NFB8	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186
FBSD	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023

Total composite emission factor (g/Veh/km)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	0.0000
Total composite emission factor (g/Veh/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	0.00

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: R20_Internal Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	LGV3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	LGV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	PLB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	HGV7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	HGV8	0	0	0	0	0	0	0	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	0
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	0	0	0	0	0	0	0	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	0

NO emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145
LGV3	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850
LGV4	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587
PLB	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797
LGV6	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224
HGV7	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781
HGV8b	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688
FBDD	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812
MC	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588
TAXI	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744
PV4	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080
PV5	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127
NFB6	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390
NFB7	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372
NFB8	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186
FBSD	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023

Total composite emission factor (g/Veh/km)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	0.0000
Total composite emission factor (g/Veh/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	0.00

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: R21_Internal Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	LGV3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	LGV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	PLB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	HGV7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	HGV8	132	132	132	132	132	132	132	274	274	274	274	274	274	274	274	274	274	274	274	274	274	274	274	132
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	132	132	132	132	132	132	132	274	274	274	274	274	274	274	274	274	274	274	274	274	274	274	274	132

NO emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145
LGV3	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850
LGV4	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587
PLB	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797
LGV6	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224
HGV7	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781
HGV8b	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688
FBDD	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812
MC	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588
TAXI	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744
PV4	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080
PV5	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127
NFB6	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390
NFB7	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372
NFB8	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186
FBSD	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023

Total composite emission factor (g/Veh/km)	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875
Total composite emission factor (g/Veh/mile)	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: R22_Internal Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	LGV3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	LGV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	PLB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	HGV7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	HGV8	132	132	132	132	132	132	132	148	148	148	148	148	148	148	148	148	148	148	148	148	148	148	148	132
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	132	132	132	132	132	132	132	148	148	148	148	148	148	148	148	148	148	148	148	148	148	148	148	132

NO emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145
LGV3	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850
LGV4	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587
PLB	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797
LGV6	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224
HGV7	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781
HGV8b	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688	7.688
FBDD	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812
MC	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588
TAXI	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744
PV4	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080
PV5	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127
NFB6	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390
NFB7	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372
NFB8	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186
FBSD	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023

Total composite emission factor (g/Veh/km)	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875	7.6875
Total composite emission factor (g/Veh/mile)	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.40

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: R25_Internal Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	LGV3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	LGV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	PLB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	HGV7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	HGV8	0	0	0	0	0	0	0	0	17	17	17	17	17	17	17	17	17	17	17	17	17	17	0	0
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	0	0	0	0	0	0	0	0	17	17	17	17	17	17	17	17	17	17	17	17	0	0	0	0

NO emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145
LGV3	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850
LGV4	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587
PLB	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797
LGV6	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224
HGV7	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781
HGV8	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912
FBDD	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812
MC	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588
TAXI	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744
PV4	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080
PV5	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127
NFB6	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390
NFB7	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372
NFB8	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186
FBSD	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023
Total composite emission factor (g/Veh/km)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	9.9122	9.9122	9.9122	9.9122	9.9122	9.9122	9.9122	9.9122	9.9122	9.9122	9.9122	9.9122	0.0000	0.0000	0.0000	0.0000
Total composite emission factor (g/Veh/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.99	15.99	15.99	15.99	15.99	15.99	15.99	15.99	15.99	15.99	15.99	15.99	0.00	0.00	0.00	0.00

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: R26_Internal Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	LGV3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	LGV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	PLB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	HGV7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	HGV8	0	0	0	0	0	0	0	0	17	17	17	17	17	17	17	17	17	17	17	17	17	17	0	0
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	0	0	0	0	0	0	0	0	17	17	17	17	17	17	17	17	17	17	17	17	0	0	0	0

NO emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145
LGV3	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850
LGV4	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587
PLB	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797
LGV6	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224
HGV7	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781
HGV8	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912
FBDD	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812
MC	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588
TAXI	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744
PV4	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080
PV5	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127
NFB6	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390
NFB7	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372
NFB8	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186
FBSD	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023
Total composite emission factor (g/Veh/km)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	9.9122	9.9122	9.9122	9.9122	9.9122	9.9122	9.9122	9.9122	9.9122	9.9122	9.9122	9.9122	0.0000	0.0000	0.0000	0.0000
Total composite emission factor (g/Veh/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.99	15.99	15.99	15.99	15.99	15.99	15.99	15.99	15.99	15.99	15.99	15.99	0.00	0.00	0.00	0.00

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: R27_Internal Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	LGV3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	LGV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	PLB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	HGV7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	HGV8	0	0	0	0	0	0	0	0	17	17	17	17	17	17	17	17	17	17	17	17	17	17	0	0
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	0	0	0	0	0	0	0	0	17	17	17	17	17	17	17	17	17	17	17	17	0	0	0	0

NO emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145
LGV3	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850
LGV4	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587
PLB	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797
LGV6	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224
HGV7	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781
HGV8	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912
FBDD	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812
MC	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588
TAXI	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744
PV4	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080
PV5	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127
NFB6	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390
NFB7	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372
NFB8	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186
FBSD	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023
Total composite emission factor (g/Veh/km)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	9.9122	9.9122	9.9122	9.9122	9.9122	9.9122	9.9122	9.9122	9.9122	9.9122	9.9122	9.9122	0.0000	0.0000	0.0000	0.0000
Total composite emission factor (g/Veh/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.99	15.99	15.99	15.99	15.99	15.99	15.99	15.99	15.99	15.99	15.99	15.99	0.00	0.00	0.00	0.00

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: R28_Internal Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	LGV3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	LGV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	PLB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	HGV7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	HGV8	0	0	0	0	0	0	0	0	17	17	17	17	17	17	17	17	17	17	17	17	17	17	0	0
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	0	0	0	0	0	0	0	0	17	17	17	17	17	17	17	17	17	17	17	17	0	0	0	0

NO emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145
LGV3	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850
LGV4	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587	2.587
PLB	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797	2.797
LGV6	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224	3.224
HGV7	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781	4.781
HGV8	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912	9.912
FBDD	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812	13.812
MC	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588
TAXI	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744	1.744
PV4	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080
PV5	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127	2.127
NFB6	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390	4.390
NFB7	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372	7.372
NFB8	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186	16.186
FBSD	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023	12.023

Total composite emission factor (g/Veh/km)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	9.9122	9.9122	9.9122	9.9122	9.9122	9.9122	9.9122	9.9122	9.9122	9.9122	9.9122	9.9122	0.0000	0.0000	0.0000	0.0000
Total composite emission factor (g/Veh/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.99	15.99	15.99	15.99	15.99	15.99	15.99	15.99	15.99	15.99	15.99	15.99	0.00	0.00	0.00	0.00

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

Pollutant Name: PM10

Speed	PC	LGV3	LGV4	PLB	LGV6	HGV7	HGV8	HGV8b	FBDD	MC	TAXI	PV4	PV5	NFB6	NFB7	NFB8	FBSD
km/hr	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL
10	0.011	0.045	0.050	0.068	0.096	0.161	0.329	0.128	0.328	0.023	0.000	0.054	0.094	0.164	0.153	0.521	0.320
17	0.008	0.037	0.041	0.049	0.075	0.097	0.225	0.092	0.249	0.017	0.000	0.043	0.071	0.123	0.103	0.371	0.247
18	0.008	0.036	0.039	0.047	0.073	0.092	0.216	0.088	0.241	0.016	0.000	0.041	0.069	0.118	0.099	0.358	0.240
27	0.005	0.028	0.031	0.035	0.060	0.065	0.163	0.068	0.189	0.012	0.000	0.031	0.049	0.085	0.075	0.277	0.192
28	0.005	0.027	0.030	0.034	0.059	0.063	0.159	0.067	0.184	0.011	0.000	0.030	0.047	0.082	0.073	0.270	0.188
29	0.005	0.026	0.029	0.033	0.058	0.062	0.155	0.065	0.180	0.011	0.000	0.029	0.046	0.079	0.071	0.264	0.185
30	0.005	0.026	0.029	0.032	0.058	0.060	0.152	0.064	0.176	0.011	0.000	0.029	0.044	0.077	0.070	0.259	0.181
31	0.004	0.025	0.028	0.032	0.057	0.059	0.148	0.063	0.173	0.010	0.000	0.028	0.043	0.075	0.068	0.254	0.178
32	0.004	0.025	0.027	0.031	0.056	0.057	0.145	0.062	0.169	0.010	0.000	0.027	0.042	0.073	0.067	0.248	0.175
33	0.004	0.024	0.027	0.030	0.055	0.056	0.142	0.060	0.166	0.010	0.000	0.026	0.040	0.070	0.066	0.244	0.172
34	0.004	0.023	0.026	0.030	0.055	0.055	0.139	0.059	0.163	0.009	0.000	0.026	0.039	0.069	0.065	0.239	0.169
35	0.004	0.023	0.026	0.029	0.054	0.054	0.137	0.058	0.160	0.009	0.000	0.025	0.038	0.067	0.063	0.235	0.166
36	0.004	0.022	0.025	0.028	0.053	0.053	0.134	0.057	0.157	0.009	0.000	0.024	0.037	0.065	0.062	0.231	0.164
37	0.004	0.022	0.025	0.028	0.053	0.052	0.132	0.056	0.154	0.009	0.000	0.024	0.036	0.064	0.061	0.227	0.161
38	0.003	0.021	0.024	0.027	0.052	0.051	0.129	0.055	0.152	0.008	0.000	0.023	0.035	0.062	0.060	0.223	0.159
39	0.003	0.021	0.023	0.027	0.052	0.050	0.127	0.054	0.149	0.008	0.000	0.023	0.035	0.061	0.059	0.219	0.157
40	0.003	0.021	0.023	0.027	0.051	0.049	0.125	0.053	0.147	0.008	0.000	0.022	0.034	0.060	0.058	0.216	0.154
41	0.003	0.020	0.023	0.026	0.051	0.048	0.123	0.053	0.145	0.008	0.000	0.022	0.033	0.059	0.058	0.212	0.152
42	0.003	0.020	0.022	0.026	0.050	0.047	0.121	0.052	0.143	0.008	0.000	0.021	0.033	0.058	0.057	0.209	0.150
43	0.003	0.019	0.022	0.026	0.050	0.047	0.119	0.051	0.141	0.007	0.000	0.021	0.032	0.057	0.056	0.206	0.149
44	0.003	0.019	0.021	0.025	0.050	0.046	0.118	0.050	0.139	0.007	0.000	0.020	0.032	0.056	0.055	0.203	0.147
45	0.003	0.019	0.021	0.025	0.049	0.045	0.116	0.050	0.137	0.007	0.000	0.020	0.031	0.055	0.054	0.200	0.145
50	0.002	0.017	0.019	0.024	0.048	0.042	0.108	0.046	0.130	0.006	0.000	0.018	0.030	0.053	0.051	0.187	0.138
51	0.002	0.017	0.019	0.024	0.048	0.042	0.108	0.046	0.130	0.006	0.000	0.018	0.030	0.053	0.051	0.187	0.138
52	0.002	0.016	0.018	0.024	0.048	0.042	0.108	0.046	0.130	0.006	0.000	0.017	0.030	0.052	0.050	0.187	0.138
53	0.002	0.016	0.018	0.024	0.048	0.041	0.107	0.046	0.129	0.006	0.000	0.017	0.029	0.052	0.050	0.187	0.138
54	0.002	0.016	0.018	0.024	0.047	0.041	0.107	0.046	0.129	0.006	0.000	0.017	0.029	0.052	0.049	0.187	0.138

EMFAC-HK Model (v 4.2) Key Assumptions:

Mode: EMFAC

Calendar Year: 2019

Temperature and relative humidity: 7 degree C (Minimum temperature measured at Tuen Mun Weather Station (Tuen Mun Children and Juvenile Home) in 2020)

Relative Humidity 19% (Minimum relative humidity measured at Tuen Mun Weather Station (Tuen Mun Children and Juvenile Home) in 2020)

Vehicle Population (external traffic): Default (i.e. considering HGV8 emission factors for all external roads and internal roads R1 to R7, R9 and R10)

Vehicle Population (internal traffic): All internal trucks (model year of 2019) are of Euro V standard (i.e. considering HGV8b emission factors for internal roads R11 to R15, R17, R19 to R22)

Vehicle Accrual: Default

Trips: Default (not used. No starting emissions as parking restrictions apply for all identified major roads within the Study Area)

VKT: Default (not used in EMFAC mode)

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

Average Speed

	Road Name	Ref.	Hour by Hour Speed (Km/hr)																							
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1	TM1_Lung Mun Road	1	52	53	53	53	53	53	51	35	28	27	35	41	42	44	41	41	34	29	31	40	40	50	51	52
2	TM2_Unnamed Road to River Trade Terminal	2	18	18	18	18	18	18	18	18	17	17	17	17	17	17	17	17	17	17	17	18	18	18	18	18
3	TM3_Lung Mun Road	3	52	53	53	53	53	53	51	37	35	35	35	44	44	43	41	41	34	29	31	41	44	50	51	52
4	TM5_Lung Mun Road	4	52	53	53	53	53	53	51	35	34	34	33	42	42	42	41	44	33	33	33	34	34	50	51	52
5	TM7_Siu Lang Shui Road	5	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39
6	TM8_Unnamed Road to Cemetery	6	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43
7	TM9_Siu Lang Shui Road	7	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
8	TM10_Lung Fat Street	8	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
9	TM11_Lung Mun Road	9	52	53	53	53	53	53	51	35	34	34	33	42	42	42	41	44	33	33	33	34	34	50	51	52
10	TM12_Unnamed Road to EcoPark	10	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
11	TM13_Lung Yiu Street	11	36	36	36	36	36	36	34	33	33	33	33	33	33	33	33	33	32	32	32	33	33	33	33	36
12	TM14_Lung Mun Road	12	52	53	53	53	53	53	51	35	34	34	33	42	42	42	41	44	33	33	33	34	34	50	51	52
13	TM15_Lung Yiu Street	13	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
14	TM16_Lung Hong Street	14	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44
15	R1_Internal Road	15	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
16	R2_Internal Road	16	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
17	R3_Internal Road	17	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
18	R4_Internal Road	18	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
19	R5_Internal Road	19	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
20	R6_Internal Road	20	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
21	R7_Internal Road	21	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
22	R9_Internal Road	22	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
23	R10_Internal Road	23	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
24	R11_Internal Road	24	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
25	R12_Internal Road	25	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
26	R13_Internal Road	26	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
27	R14_Internal Road	27	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
28	R15_Internal Road	28	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
29	R17_Internal Road	29	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
30	R19_Internal Road	30	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
31	R20_Internal Road	31	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
32	R21_Internal Road	32	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
33	R22_Internal Road	33	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
34	R25_Internal Road	34	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
35	R26_Internal Road	35	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
36	R27_Internal Road	36	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
37	R28_Internal Road	37	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: TM1_Lung Mun Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	16	11	8	5	6	12	32	113	163	176	247	240	209	200	228	223	220	218	236	209	160	51	32	19
2	LGV3	7	5	5	3	3	8	17	29	55	59	76	71	66	63	72	71	70	72	75	66	66	25	13	8
3	LGV4	4	2	2	3	2	7	11	17	36	38	62	58	54	52	59	58	58	59	60	54	54	17	11	6
4	PLB	5	3	2	2	2	2	3	6	10	10	12	11	10	10	11	11	11	11	12	10	8	8	7	6
5	LGV6	4	2	2	3	2	7	11	17	36	38	57	53	50	48	54	53	53	54	55	50	51	20	10	6
6	HGV7	0	0	0	0	0	0	4	20	286	364	274	254	231	225	261	262	268	251	214	16	12	4	0	0
7	HGV8	0	0	0	0	0	0	10	48	666	831	645	590	565	524	632	621	628	588	496	39	28	10	2	0
8	FBDD	2	1	1	0	0	0	2	2	4	4	11	11	9	9	11	11	11	11	11	9	8	7	6	6
9	MC	0	0	0	0	0	0	0	1	1	1	6	6	6	5	6	6	6	6	6	6	5	4	4	4
10	TAXI	9	5	6	4	5	7	15	64	88	96	100	103	92	87	99	97	96	99	102	92	76	34	15	5
11	PV4	1	0	0	0	0	0	0	1	1	1	5	5	4	4	5	5	4	5	5	4	4	4	3	2
12	PV5	1	0	0	0	0	0	0	1	1	1	5	5	4	4	5	5	4	5	5	4	4	4	3	2
13	NFB6	3	1	1	1	1	1	2	3	5	6	16	15	14	13	15	15	15	15	16	14	11	10	9	9
14	NFB7	3	1	1	1	1	1	2	3	5	6	16	15	14	13	15	15	15	15	16	14	11	10	9	9
15	NFB8	3	1	1	1	1	1	2	3	5	6	16	15	14	13	15	15	15	15	16	14	11	10	9	9
16	FBSD	3	1	1	1	1	1	2	3	5	6	13	12	11	11	13	12	12	13	13	11	9	8	8	7
	Total Flow (veh)	61	33	30	24	24	47	113	331	1367	1643	1561	1464	1353	1281	1501	1480	1486	1437	1338	612	518	226	141	98

PM10 emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	0.005	0.005	0.004	0.003	0.003	0.003	0.003	0.003	0.004	0.005	0.004	0.003	0.003	0.002	0.002	0.002
LGV3	0.016	0.016	0.016	0.016	0.016	0.016	0.017	0.023	0.027	0.028	0.023	0.020	0.020	0.019	0.020	0.020	0.023	0.026	0.025	0.021	0.021	0.017	0.017	0.016
LGV4	0.018	0.018	0.018	0.018	0.018	0.018	0.019	0.026	0.030	0.031	0.026	0.023	0.022	0.021	0.023	0.023	0.026	0.029	0.028	0.023	0.023	0.019	0.019	0.018
PLB	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.029	0.034	0.035	0.029	0.026	0.026	0.025	0.026	0.026	0.030	0.033	0.032	0.027	0.027	0.024	0.024	0.024
LGV6	0.048	0.048	0.048	0.048	0.048	0.048	0.048	0.054	0.059	0.060	0.054	0.051	0.050	0.050	0.051	0.051	0.055	0.058	0.057	0.051	0.051	0.048	0.048	0.048
HGV7	0.042	0.041	0.041	0.041	0.041	0.041	0.042	0.054	0.063	0.065	0.054	0.048	0.047	0.046	0.048	0.048	0.055	0.062	0.059	0.049	0.049	0.042	0.042	0.042
HGV8	0.108	0.107	0.107	0.107	0.107	0.107	0.108	0.137	0.159	0.163	0.137	0.123	0.121	0.118	0.123	0.123	0.139	0.155	0.148	0.125	0.125	0.108	0.108	0.108
FBDD	0.130	0.129	0.129	0.129	0.129	0.129	0.130	0.160	0.184	0.189	0.160	0.145	0.143	0.139	0.145	0.145	0.163	0.180	0.173	0.147	0.147	0.130	0.130	0.130
MC	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.009	0.011	0.012	0.009	0.008	0.008	0.007	0.008	0.008	0.009	0.011	0.010	0.008	0.008	0.006	0.006	0.006
TAXI	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
PV4	0.017	0.017	0.017	0.017	0.017	0.017	0.018	0.025	0.030	0.031	0.025	0.022	0.021	0.020	0.022	0.022	0.026	0.029	0.028	0.022	0.022	0.018	0.018	0.017
PV5	0.030	0.029	0.029	0.029	0.029	0.029	0.030	0.038	0.047	0.049	0.038	0.033	0.033	0.032	0.033	0.033	0.039	0.046	0.043	0.034	0.034	0.030	0.030	0.030
NFB6	0.052	0.052	0.052	0.052	0.052	0.052	0.053	0.067	0.082	0.085	0.067	0.059	0.058	0.056	0.059	0.059	0.069	0.079	0.075	0.060	0.060	0.053	0.053	0.052
NFB7	0.050	0.050	0.050	0.050	0.050	0.050	0.051	0.063	0.073	0.075	0.063	0.058	0.057	0.055	0.058	0.058	0.065	0.071	0.068	0.058	0.058	0.051	0.051	0.050
NFB8	0.187	0.187	0.187	0.187	0.187	0.187	0.187	0.235	0.270	0.277	0.235	0.212	0.209	0.203	0.212	0.212	0.239	0.264	0.254	0.216	0.216	0.187	0.187	0.187
FBSD	0.138	0.138	0.138	0.138	0.138	0.138	0.138	0.166	0.188	0.192	0.166	0.152	0.150	0.147	0.152	0.152	0.169	0.185	0.178	0.154	0.154	0.138	0.138	0.138

Total composite emission factor (g/Veh/km)	0.0348	0.0262	0.0278	0.0304	0.0278	0.0232	0.0312	0.0369	0.0979	0.1036	0.0773	0.0683	0.0688	0.0660	0.0704	0.0704	0.0802	0.0877	0.0786	0.0322	0.0319	0.0372	0.0427	0.0528
Total composite emission factor (g/Veh/mile)	0.06	0.04	0.04	0.05	0.04	0.04	0.05	0.06	0.16	0.17	0.12	0.11	0.11	0.11	0.11	0.11	0.13	0.14	0.13	0.05	0.05	0.06	0.07	0.09

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: TM2_Unnamed Road to River Trade Terminal
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	4	3	2	1	1	1	3	5	8	8	17	13	13	13	15	13	13	15	17	13	10	7	7	5
2	LGV3	3	1	1	1	1	1	1	3	5	5	5	5	4	4	5	5	5	5	5	4	4	3	3	3
3	LGV4	2	1	1	0	0	0	1	2	3	3	4	3	3	3	3	3	3	3	4	3	3	3	3	2
4	PLB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	2	1	1	0	0	0	1	2	3	3	4	3	3	3	3	3	3	3	4	3	3	3	3	2
6	HGV7	0	0	0	0	0	0	2	2	64	69	57	52	38	56	63	54	59	63	65	1	1	1	0	0
7	HGV8	0	0	0	0	0	0	6	16	396	406	333	306	277	265	314	311	324	314	331	2	2	1	0	0
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	2	1	1	1	1	1	1	2	4	5	5	3	3	3	5	3	3	5	5	3	1	1	1	1
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	13	7	6	3	3	3	15	32	483	499	425	385	341	347	408	392	410	408	431	29	24	19	17	13

PM10 emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008
LGV3	0.036	0.036	0.036	0.036	0.036	0.036	0.036	0.036	0.037	0.037	0.037	0.037	0.037	0.037	0.037	0.037	0.037	0.037	0.037	0.037	0.036	0.036	0.036	0.036
LGV4	0.039	0.039	0.039	0.039	0.039	0.039	0.039	0.039	0.041	0.041	0.041	0.041	0.041	0.041	0.041	0.041	0.041	0.041	0.041	0.039	0.039	0.039	0.039	0.039
PLB	0.047	0.047	0.047	0.047	0.047	0.047	0.047	0.047	0.049	0.049	0.049	0.049	0.049	0.049	0.049	0.049	0.049	0.049	0.049	0.047	0.047	0.047	0.047	0.047
LGV6	0.073	0.073	0.073	0.073	0.073	0.073	0.073	0.073	0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.073	0.073	0.073	0.073	0.073
HGV7	0.092	0.092	0.092	0.092	0.092	0.092	0.092	0.092	0.097	0.097	0.097	0.097	0.097	0.097	0.097	0.097	0.097	0.097	0.097	0.092	0.092	0.092	0.092	0.092
HGV8	0.216	0.216	0.216	0.216	0.216	0.216	0.216	0.216	0.225	0.225	0.225	0.225	0.225	0.225	0.225	0.225	0.225	0.225	0.225	0.216	0.216	0.216	0.216	0.216
FBDD	0.241	0.241	0.241	0.241	0.241	0.241	0.241	0.241	0.249	0.249	0.249	0.249	0.249	0.249	0.249	0.249	0.249	0.249	0.249	0.241	0.241	0.241	0.241	0.241
MC	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.016	0.016	0.016	0.016	0.016
TAXI	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
PV4	0.041	0.041	0.041	0.041	0.041	0.041	0.041	0.041	0.043	0.043	0.043	0.043	0.043	0.043	0.043	0.043	0.043	0.043	0.043	0.041	0.041	0.041	0.041	0.041
PV5	0.069	0.069	0.069	0.069	0.069	0.069	0.069	0.069	0.071	0.071	0.071	0.071	0.071	0.071	0.071	0.071	0.071	0.071	0.071	0.069	0.069	0.069	0.069	0.069
NFB6	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.123	0.123	0.123	0.123	0.123	0.123	0.123	0.123	0.123	0.123	0.123	0.118	0.118	0.118	0.118	0.118
NFB7	0.099	0.099	0.099	0.099	0.099	0.099	0.099	0.099	0.103	0.103	0.103	0.103	0.103	0.103	0.103	0.103	0.103	0.103	0.103	0.099	0.099	0.099	0.099	0.099
NFB8	0.358	0.358	0.358	0.358	0.358	0.358	0.358	0.358	0.371	0.371	0.371	0.371	0.371	0.371	0.371	0.371	0.371	0.371	0.371	0.358	0.358	0.358	0.358	0.358
FBSD	0.240	0.240	0.240	0.240	0.240	0.240	0.240	0.240	0.247	0.247	0.247	0.247	0.247	0.247	0.247	0.247	0.247	0.247	0.247	0.240	0.240	0.240	0.240	0.240

Total composite emission factor (g/Veh/km)	0.0278	0.0243	0.0271	0.0144	0.0144	0.0144	0.1100	0.1253	0.1985	0.1976	0.1910	0.1935	0.1952	0.1891	0.1896	0.1934	0.1932	0.1896	0.1891	0.0379	0.0449	0.0423	0.0292	0.0283
Total composite emission factor (g/Veh/mile)	0.04	0.04	0.04	0.02	0.02	0.02	0.18	0.20	0.32	0.32	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.06	0.07	0.07	0.05	0.05

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: TM3_Lung Mun Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	12	8	6	4	5	11	29	108	155	168	230	227	196	187	213	210	207	203	219	196	150	44	25	14
2	LGV3	4	4	4	2	2	7	16	26	50	54	71	66	62	59	67	66	65	67	70	62	62	22	10	5
3	LGV4	2	1	1	3	2	7	10	15	33	35	58	55	51	49	56	55	55	56	56	51	51	14	8	4
4	PLB	5	3	2	2	2	2	3	6	10	10	12	11	10	10	11	11	11	11	12	10	8	8	7	6
5	LGV6	2	1	1	3	2	7	10	15	33	35	53	50	47	45	51	50	50	51	51	47	48	17	7	4
6	HGV7	0	0	0	0	0	0	2	18	222	295	217	202	193	169	198	208	209	188	149	15	11	3	0	0
7	HGV8	0	0	0	0	0	0	4	32	270	425	312	284	288	259	318	310	304	274	165	37	26	9	2	0
8	FBDD	2	1	1	0	0	0	2	2	4	4	11	11	9	9	11	11	11	11	11	9	8	7	6	6
9	MC	0	0	0	0	0	0	0	1	1	1	6	6	6	5	6	6	6	6	6	6	5	4	4	4
10	TAXI	7	4	5	3	4	6	14	62	84	91	95	100	89	84	94	94	93	94	97	89	75	33	14	4
11	PV4	1	0	0	0	0	0	0	1	1	1	5	5	4	4	5	5	4	5	5	4	4	4	3	2
12	PV5	1	0	0	0	0	0	0	1	1	1	5	5	4	4	5	5	4	5	5	4	4	4	3	2
13	NFB6	3	1	1	1	1	1	2	3	5	6	16	15	14	13	15	15	15	15	16	14	11	10	9	9
14	NFB7	3	1	1	1	1	1	2	3	5	6	16	15	14	13	15	15	15	15	16	14	11	10	9	9
15	NFB8	3	1	1	1	1	1	2	3	5	6	16	15	14	13	15	15	15	15	16	14	11	10	9	9
16	FBSD	3	1	1	1	1	1	2	3	5	6	13	12	11	11	13	12	12	13	13	11	9	8	8	7
	Total Flow (veh)	48	26	24	21	21	44	98	299	884	1144	1136	1079	1012	934	1093	1088	1076	1029	907	583	494	207	124	85

PM10 emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	0.004	0.004	0.004	0.003	0.003	0.003	0.003	0.003	0.004	0.005	0.004	0.003	0.003	0.002	0.002	0.002
LGV3	0.016	0.016	0.016	0.016	0.016	0.016	0.017	0.022	0.023	0.023	0.023	0.019	0.019	0.019	0.020	0.020	0.023	0.026	0.025	0.020	0.019	0.017	0.017	0.016
LGV4	0.018	0.018	0.018	0.018	0.018	0.018	0.019	0.025	0.026	0.026	0.026	0.021	0.021	0.022	0.023	0.023	0.026	0.029	0.028	0.023	0.021	0.019	0.019	0.018
PLB	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.028	0.029	0.029	0.029	0.025	0.025	0.026	0.026	0.026	0.030	0.033	0.032	0.026	0.025	0.024	0.024	0.024
LGV6	0.048	0.048	0.048	0.048	0.048	0.048	0.048	0.053	0.054	0.054	0.054	0.050	0.050	0.050	0.051	0.051	0.055	0.058	0.057	0.051	0.050	0.048	0.048	0.048
HGV7	0.042	0.041	0.041	0.041	0.041	0.041	0.042	0.052	0.054	0.054	0.054	0.046	0.046	0.047	0.048	0.048	0.055	0.062	0.059	0.048	0.046	0.042	0.042	0.042
HGV8	0.108	0.107	0.107	0.107	0.107	0.107	0.108	0.132	0.137	0.137	0.137	0.118	0.118	0.119	0.123	0.123	0.139	0.155	0.148	0.123	0.118	0.108	0.108	0.108
FBDD	0.130	0.129	0.129	0.129	0.129	0.129	0.130	0.154	0.160	0.160	0.160	0.139	0.139	0.141	0.145	0.145	0.163	0.180	0.173	0.145	0.139	0.130	0.130	0.130
MC	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.009	0.009	0.009	0.009	0.007	0.007	0.007	0.008	0.008	0.009	0.011	0.010	0.008	0.007	0.006	0.006	0.006
TAXI	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
PV4	0.017	0.017	0.017	0.017	0.017	0.017	0.018	0.024	0.025	0.025	0.025	0.020	0.020	0.021	0.022	0.022	0.026	0.029	0.028	0.022	0.020	0.018	0.018	0.017
PV5	0.030	0.029	0.029	0.029	0.029	0.029	0.030	0.036	0.038	0.038	0.038	0.032	0.032	0.032	0.033	0.033	0.039	0.046	0.043	0.033	0.032	0.030	0.030	0.030
NFB6	0.052	0.052	0.052	0.052	0.052	0.052	0.053	0.064	0.067	0.067	0.067	0.056	0.056	0.057	0.059	0.059	0.069	0.079	0.075	0.059	0.056	0.053	0.053	0.052
NFB7	0.050	0.050	0.050	0.050	0.050	0.050	0.051	0.061	0.063	0.063	0.063	0.055	0.055	0.056	0.058	0.058	0.065	0.071	0.068	0.058	0.055	0.051	0.051	0.050
NFB8	0.187	0.187	0.187	0.187	0.187	0.187	0.187	0.227	0.235	0.235	0.235	0.203	0.203	0.206	0.212	0.212	0.239	0.264	0.254	0.212	0.203	0.187	0.187	0.187
FBSD	0.138	0.138	0.138	0.138	0.138	0.138	0.138	0.161	0.166	0.166	0.166	0.147	0.147	0.149	0.152	0.152	0.169	0.185	0.178	0.152	0.147	0.138	0.138	0.138

Total composite emission factor (g/Veh/km)	0.0403	0.0298	0.0311	0.0339	0.0309	0.0243	0.0276	0.0312	0.0643	0.0723	0.0630	0.0526	0.0549	0.0549	0.0582	0.0578	0.0654	0.0708	0.0570	0.0322	0.0303	0.0386	0.0464	0.0587
Total composite emission factor (g/Veh/mile)	0.06	0.05	0.05	0.05	0.05	0.04	0.04	0.05	0.10	0.12	0.10	0.08	0.09	0.09	0.09	0.09	0.11	0.11	0.09	0.05	0.05	0.06	0.07	0.09

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: TM5_Lung Mun Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	10	7	5	4	5	11	28	106	152	165	219	217	187	179	203	200	197	193	209	187	142	38	19	9
2	LGV3	2	4	4	2	2	7	16	24	48	52	65	62	58	55	63	62	61	63	64	58	58	18	6	3
3	LGV4	1	1	1	3	2	7	10	14	32	34	54	52	48	46	53	52	52	53	52	48	48	11	5	2
4	PLB	5	3	2	2	2	2	3	6	10	10	12	11	10	10	11	11	11	11	12	10	8	8	7	6
5	LGV6	1	1	1	3	2	7	10	14	32	34	49	47	44	42	48	47	47	48	47	44	45	14	4	2
6	HGV7	0	0	0	0	0	0	2	17	202	251	177	164	157	137	158	170	167	150	137	14	11	3	0	0
7	HGV8	0	0	0	0	0	0	4	28	156	179	80	70	80	73	94	90	64	64	99	31	23	8	2	0
8	FBDD	2	1	1	0	0	0	2	2	4	4	11	11	9	9	11	11	11	11	11	9	8	7	6	6
9	MC	0	0	0	0	0	0	0	1	1	1	6	6	6	5	6	6	6	6	6	6	5	4	4	4
10	TAXI	5	4	5	3	4	6	14	60	82	89	88	94	84	79	88	88	87	88	90	84	70	29	10	1
11	PV4	1	0	0	0	0	0	0	1	1	1	5	5	4	4	5	5	4	5	5	4	4	4	3	2
12	PV5	1	0	0	0	0	0	0	1	1	1	5	5	4	4	5	5	4	5	5	4	4	4	3	2
13	NFB6	3	1	1	1	1	1	2	3	5	6	16	15	14	13	15	15	15	15	16	14	11	10	9	9
14	NFB7	3	1	1	1	1	1	2	3	5	6	16	15	14	13	15	15	15	15	16	14	11	10	9	9
15	NFB8	3	1	1	1	1	1	2	3	5	6	16	15	14	13	15	15	15	15	16	14	11	10	9	9
16	FBSD	3	1	1	1	1	1	2	3	5	6	13	12	11	11	13	12	12	13	13	11	9	8	8	7
	Total Flow (veh)	40	25	23	21	21	44	97	286	741	845	832	801	744	693	803	804	768	755	798	552	468	186	104	71

PM10 emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	0.004	0.004	0.004	0.003	0.003	0.003	0.003	0.003	0.004	0.004	0.004	0.004	0.004	0.002	0.002	0.002
LGV3	0.016	0.016	0.016	0.016	0.016	0.016	0.017	0.023	0.023	0.023	0.024	0.020	0.020	0.020	0.020	0.019	0.024	0.024	0.024	0.023	0.023	0.017	0.017	0.016
LGV4	0.018	0.018	0.018	0.018	0.018	0.018	0.019	0.026	0.026	0.026	0.027	0.022	0.022	0.022	0.023	0.021	0.027	0.027	0.027	0.026	0.026	0.019	0.019	0.018
PLB	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.029	0.030	0.030	0.030	0.026	0.026	0.026	0.026	0.025	0.030	0.030	0.030	0.030	0.030	0.024	0.024	0.024
LGV6	0.048	0.048	0.048	0.048	0.048	0.048	0.048	0.054	0.055	0.055	0.055	0.050	0.050	0.050	0.051	0.050	0.055	0.055	0.055	0.055	0.055	0.048	0.048	0.048
HGV7	0.042	0.041	0.041	0.041	0.041	0.041	0.042	0.054	0.055	0.055	0.056	0.047	0.047	0.047	0.048	0.046	0.056	0.056	0.056	0.055	0.055	0.042	0.042	0.042
HGV8	0.108	0.107	0.107	0.107	0.107	0.107	0.108	0.137	0.139	0.139	0.142	0.121	0.121	0.121	0.123	0.118	0.142	0.142	0.142	0.139	0.139	0.108	0.108	0.108
FBDD	0.130	0.129	0.129	0.129	0.129	0.129	0.130	0.160	0.163	0.163	0.166	0.143	0.143	0.143	0.145	0.139	0.166	0.166	0.166	0.163	0.163	0.130	0.130	0.130
MC	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.009	0.009	0.009	0.010	0.008	0.008	0.008	0.008	0.007	0.010	0.010	0.010	0.009	0.009	0.006	0.006	0.006
TAXI	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
PV4	0.017	0.017	0.017	0.017	0.017	0.017	0.018	0.025	0.026	0.026	0.026	0.021	0.021	0.021	0.022	0.020	0.026	0.026	0.026	0.026	0.026	0.018	0.018	0.017
PV5	0.030	0.029	0.029	0.029	0.029	0.029	0.030	0.038	0.039	0.039	0.040	0.033	0.033	0.033	0.033	0.032	0.040	0.040	0.040	0.039	0.039	0.030	0.030	0.030
NFB6	0.052	0.052	0.052	0.052	0.052	0.052	0.053	0.067	0.069	0.069	0.070	0.058	0.058	0.058	0.059	0.056	0.070	0.070	0.070	0.069	0.069	0.053	0.053	0.052
NFB7	0.050	0.050	0.050	0.050	0.050	0.050	0.051	0.063	0.065	0.065	0.066	0.057	0.057	0.057	0.058	0.055	0.066	0.066	0.066	0.065	0.065	0.051	0.051	0.050
NFB8	0.187	0.187	0.187	0.187	0.187	0.187	0.187	0.235	0.239	0.239	0.244	0.209	0.209	0.209	0.212	0.203	0.244	0.244	0.244	0.239	0.239	0.187	0.187	0.187
FBSD	0.138	0.138	0.138	0.138	0.138	0.138	0.138	0.166	0.169	0.169	0.172	0.150	0.150	0.150	0.152	0.147	0.172	0.172	0.172	0.169	0.169	0.138	0.138	0.138

Total composite emission factor (g/Veh/km)	0.0457	0.0309	0.0324	0.0339	0.0309	0.0243	0.0279	0.0313	0.0551	0.0563	0.0466	0.0380	0.0404	0.0400	0.0421	0.0400	0.0455	0.0455	0.0489	0.0362	0.0361	0.0409	0.0526	0.0677
Total composite emission factor (g/Veh/mile)	0.07	0.05	0.05	0.05	0.05	0.04	0.04	0.05	0.09	0.09	0.08	0.06	0.07	0.06	0.07	0.06	0.07	0.07	0.08	0.06	0.06	0.07	0.08	0.11

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: TM7_Siu Lang Shui Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	0	0	0	0	0	0	1	4	8	10	7	5	5	5	7	5	5	7	7	5	1	0	0	0
2	LGV3	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0
3	LGV4	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	PLB	0	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	HGV7	0	0	0	0	0	0	0	8	15	18	11	9	9	9	11	9	9	11	11	2	0	0	0	0
7	HGV8	0	0	0	0	0	0	0	6	13	14	8	7	7	7	8	7	7	8	8	4	2	0	0	0
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	0	0	0	0	0	0	1	3	6	8	4	2	2	2	4	2	2	4	4	2	0	0	0	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	0	0	0	0	0	0	2	21	47	55	31	24	24	24	31	24	24	31	31	14	3	0	0	0

PM10 emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
LGV3	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021
LGV4	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023
PLB	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027
LGV6	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052
HGV7	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050
HGV8	0.127	0.127	0.127	0.127	0.127	0.127	0.127	0.127	0.127	0.127	0.127	0.127	0.127	0.127	0.127	0.127	0.127	0.127	0.127	0.127	0.127	0.127	0.127	0.127	0.127
FBDD	0.149	0.149	0.149	0.149	0.149	0.149	0.149	0.149	0.149	0.149	0.149	0.149	0.149	0.149	0.149	0.149	0.149	0.149	0.149	0.149	0.149	0.149	0.149	0.149	0.149
MC	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008
TAXI	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
PV4	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023
PV5	0.035	0.035	0.035	0.035	0.035	0.035	0.035	0.035	0.035	0.035	0.035	0.035	0.035	0.035	0.035	0.035	0.035	0.035	0.035	0.035	0.035	0.035	0.035	0.035	0.035
NFB6	0.061	0.061	0.061	0.061	0.061	0.061	0.061	0.061	0.061	0.061	0.061	0.061	0.061	0.061	0.061	0.061	0.061	0.061	0.061	0.061	0.061	0.061	0.061	0.061	0.061
NFB7	0.059	0.059	0.059	0.059	0.059	0.059	0.059	0.059	0.059	0.059	0.059	0.059	0.059	0.059	0.059	0.059	0.059	0.059	0.059	0.059	0.059	0.059	0.059	0.059	0.059
NFB8	0.219	0.219	0.219	0.219	0.219	0.219	0.219	0.219	0.219	0.219	0.219	0.219	0.219	0.219	0.219	0.219	0.219	0.219	0.219	0.219	0.219	0.219	0.219	0.219	0.219
FBSD	0.157	0.157	0.157	0.157	0.157	0.157	0.157	0.157	0.157	0.157	0.157	0.157	0.157	0.157	0.157	0.157	0.157	0.157	0.157	0.157	0.157	0.157	0.157	0.157	0.157

Total composite emission factor (g/Veh/km)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0017	0.0559	0.0548	0.0520	0.0519	0.0573	0.0573	0.0573	0.0519	0.0573	0.0573	0.0519	0.0519	0.0461	0.0859	0.0000	0.0000	0.0000
Total composite emission factor (g/Veh/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.09	0.08	0.08	0.09	0.09	0.09	0.08	0.09	0.09	0.08	0.08	0.07	0.14	0.00	0.00	0.00

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: TM8_Unnamed Road to Cemetery
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	0	0	0	0	0	0	0	0	2	3	2	1	1	1	2	0	1	1	2	1	0	1	0	0
2	LGV3	0	0	0	0	0	0	0	0	1	0	1	0	1	1	1	0	1	1	1	1	0	0	0	0
3	LGV4	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	PLB	0	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	HGV7	0	0	0	0	0	0	0	1	3	3	2	2	2	2	2	2	2	2	2	0	0	0	0	0
7	HGV8	0	0	0	0	0	0	0	1	2	2	0	1	0	0	0	1	0	0	0	0	0	0	0	0
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	1	0	0	1	0	0	0	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	0	0	0	0	0	0	0	2	11	12	5	5	4	5	5	4	5	4	5	3	0	1	0	0

PM10 emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
LGV3	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019
LGV4	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022
PLB	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026
LGV6	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050
HGV7	0.047	0.047	0.047	0.047	0.047	0.047	0.047	0.047	0.047	0.047	0.047	0.047	0.047	0.047	0.047	0.047	0.047	0.047	0.047	0.047	0.047	0.047	0.047	0.047
HGV8	0.119	0.119	0.119	0.119	0.119	0.119	0.119	0.119	0.119	0.119	0.119	0.119	0.119	0.119	0.119	0.119	0.119	0.119	0.119	0.119	0.119	0.119	0.119	0.119
FBDD	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141
MC	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007
TAXI	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
PV4	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021
PV5	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032
NFB6	0.057	0.057	0.057	0.057	0.057	0.057	0.057	0.057	0.057	0.057	0.057	0.057	0.057	0.057	0.057	0.057	0.057	0.057	0.057	0.057	0.057	0.057	0.057	0.057
NFB7	0.056	0.056	0.056	0.056	0.056	0.056	0.056	0.056	0.056	0.056	0.056	0.056	0.056	0.056	0.056	0.056	0.056	0.056	0.056	0.056	0.056	0.056	0.056	0.056
NFB8	0.206	0.206	0.206	0.206	0.206	0.206	0.206	0.206	0.206	0.206	0.206	0.206	0.206	0.206	0.206	0.206	0.206	0.206	0.206	0.206	0.206	0.206	0.206	0.206
FBSD	0.149	0.149	0.149	0.149	0.149	0.149	0.149	0.149	0.149	0.149	0.149	0.149	0.149	0.149	0.149	0.149	0.149	0.149	0.149	0.149	0.149	0.149	0.149	0.149

Total composite emission factor (g/Veh/km)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0830	0.0433	0.0425	0.0237	0.0431	0.0289	0.0231	0.0237	0.0531	0.0231	0.0289	0.0237	0.0074	0.0000	0.0029	0.0000	0.0000
Total composite emission factor (g/Veh/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.07	0.07	0.04	0.07	0.05	0.04	0.04	0.09	0.04	0.05	0.04	0.01	0.00	0.00	0.00	0.00

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: TM9_Siu Lang Shui Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	0	0	0	0	0	0	1	4	10	13	9	6	6	6	9	5	6	8	9	6	1	1	0	0
2	LGV3	0	0	0	0	0	0	0	0	2	1	2	1	2	2	2	1	2	2	2	2	0	0	0	0
3	LGV4	0	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	PLB	0	0	0	0	0	0	0	0	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	HGV7	0	0	0	0	0	0	0	9	18	21	13	11	11	11	13	11	11	13	13	2	0	0	0	0
7	HGV8	0	0	0	0	0	0	0	7	15	16	8	8	7	7	8	8	5	8	8	4	2	0	0	0
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	0	0	0	0	0	0	1	3	6	8	4	3	2	3	4	3	3	4	4	3	0	0	0	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	0	0	0	0	0	0	2	23	58	67	36	29	28	29	36	28	27	35	36	17	3	1	0	0

PM10 emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
LGV3	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021
LGV4	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024
PLB	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027
LGV6	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052
HGV7	0.051	0.051	0.051	0.051	0.051	0.051	0.051	0.051	0.051	0.051	0.051	0.051	0.051	0.051	0.051	0.051	0.051	0.051	0.051	0.051	0.051	0.051	0.051	0.051	0.051
HGV8	0.129	0.129	0.129	0.129	0.129	0.129	0.129	0.129	0.129	0.129	0.129	0.129	0.129	0.129	0.129	0.129	0.129	0.129	0.129	0.129	0.129	0.129	0.129	0.129	0.129
FBDD	0.152	0.152	0.152	0.152	0.152	0.152	0.152	0.152	0.152	0.152	0.152	0.152	0.152	0.152	0.152	0.152	0.152	0.152	0.152	0.152	0.152	0.152	0.152	0.152	0.152
MC	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008
TAXI	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
PV4	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023
PV5	0.035	0.035	0.035	0.035	0.035	0.035	0.035	0.035	0.035	0.035	0.035	0.035	0.035	0.035	0.035	0.035	0.035	0.035	0.035	0.035	0.035	0.035	0.035	0.035	0.035
NFB6	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062
NFB7	0.060	0.060	0.060	0.060	0.060	0.060	0.060	0.060	0.060	0.060	0.060	0.060	0.060	0.060	0.060	0.060	0.060	0.060	0.060	0.060	0.060	0.060	0.060	0.060	0.060
NFB8	0.223	0.223	0.223	0.223	0.223	0.223	0.223	0.223	0.223	0.223	0.223	0.223	0.223	0.223	0.223	0.223	0.223	0.223	0.223	0.223	0.223	0.223	0.223	0.223	0.223
FBSD	0.159	0.159	0.159	0.159	0.159	0.159	0.159	0.159	0.159	0.159	0.159	0.159	0.159	0.159	0.159	0.159	0.159	0.159	0.159	0.159	0.159	0.159	0.159	0.159	0.159

Total composite emission factor (g/Veh/km)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0017	0.0598	0.0541	0.0516	0.0491	0.0563	0.0545	0.0526	0.0491	0.0582	0.0469	0.0504	0.0491	0.0401	0.0874	0.0034	0.0000	0.0000
Total composite emission factor (g/Veh/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.09	0.08	0.08	0.09	0.09	0.08	0.08	0.09	0.08	0.08	0.08	0.06	0.14	0.01	0.00	0.00

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: TM10_Lung Fat Street
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	0	0	0	0	0	0	1	4	10	13	9	6	6	6	9	5	6	8	9	6	1	1	0	0
2	LGV3	0	0	0	0	0	0	0	0	2	1	2	1	2	2	2	1	2	2	2	2	0	0	0	0
3	LGV4	0	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	PLB	0	0	0	0	0	0	0	0	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	HGV7	0	0	0	0	0	0	0	9	18	21	13	11	11	11	13	11	11	13	13	2	0	0	0	0
7	HGV8	0	0	0	0	0	0	0	7	15	16	8	8	7	7	8	8	5	8	8	4	2	0	0	0
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	0	0	0	0	0	0	1	3	6	8	4	3	2	3	4	3	3	4	4	3	0	0	0	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	0	0	0	0	0	0	2	23	58	67	36	29	28	29	36	28	27	35	36	17	3	1	0	0

PM10 emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
LGV3	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021
LGV4	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024
PLB	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027
LGV6	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052
HGV7	0.051	0.051	0.051	0.051	0.051	0.051	0.051	0.051	0.051	0.051	0.051	0.051	0.051	0.051	0.051	0.051	0.051	0.051	0.051	0.051	0.051	0.051	0.051	0.051
HGV8	0.129	0.129	0.129	0.129	0.129	0.129	0.129	0.129	0.129	0.129	0.129	0.129	0.129	0.129	0.129	0.129	0.129	0.129	0.129	0.129	0.129	0.129	0.129	0.129
FBDD	0.152	0.152	0.152	0.152	0.152	0.152	0.152	0.152	0.152	0.152	0.152	0.152	0.152	0.152	0.152	0.152	0.152	0.152	0.152	0.152	0.152	0.152	0.152	0.152
MC	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008
TAXI	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
PV4	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023
PV5	0.035	0.035	0.035	0.035	0.035	0.035	0.035	0.035	0.035	0.035	0.035	0.035	0.035	0.035	0.035	0.035	0.035	0.035	0.035	0.035	0.035	0.035	0.035	0.035
NFB6	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062
NFB7	0.060	0.060	0.060	0.060	0.060	0.060	0.060	0.060	0.060	0.060	0.060	0.060	0.060	0.060	0.060	0.060	0.060	0.060	0.060	0.060	0.060	0.060	0.060	0.060
NFB8	0.223	0.223	0.223	0.223	0.223	0.223	0.223	0.223	0.223	0.223	0.223	0.223	0.223	0.223	0.223	0.223	0.223	0.223	0.223	0.223	0.223	0.223	0.223	0.223
FBSD	0.159	0.159	0.159	0.159	0.159	0.159	0.159	0.159	0.159	0.159	0.159	0.159	0.159	0.159	0.159	0.159	0.159	0.159	0.159	0.159	0.159	0.159	0.159	0.159

Total composite emission factor (g/Veh/km)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0017	0.0598	0.0541	0.0516	0.0491	0.0563	0.0545	0.0526	0.0491	0.0582	0.0469	0.0504	0.0491	0.0401	0.0874	0.0034	0.0000	0.0000
Total composite emission factor (g/Veh/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.09	0.08	0.08	0.09	0.09	0.08	0.08	0.09	0.08	0.08	0.08	0.06	0.14	0.01	0.00	0.00

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: TM11_Lung Mun Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	6	4	3	1	2	8	23	93	128	137	193	196	166	159	178	180	176	169	184	166	129	27	11	7
2	LGV3	2	4	4	2	2	6	13	19	38	43	56	54	50	47	54	54	52	54	55	50	53	18	6	3
3	LGV4	1	1	1	3	2	6	9	10	24	26	48	46	43	41	47	46	47	47	46	43	43	11	5	2
4	PLB	5	3	2	2	2	2	3	6	6	6	12	11	10	10	11	11	11	11	12	10	8	8	7	6
5	LGV6	1	1	1	3	2	6	9	10	25	26	43	41	39	37	42	41	42	42	41	39	40	14	4	2
6	HGV7	0	0	0	0	0	0	2	6	177	222	159	149	142	122	140	155	152	132	119	10	10	3	0	0
7	HGV8	0	0	0	0	0	0	4	15	103	121	47	38	50	45	62	58	40	32	67	12	11	7	2	0
8	FBDD	2	1	1	0	0	0	2	2	4	4	11	11	9	9	11	11	11	11	11	9	8	7	6	6
9	MC	0	0	0	0	0	0	0	1	1	1	6	6	6	5	6	6	6	6	6	6	5	4	4	4
10	TAXI	4	3	3	2	3	5	12	52	67	72	74	81	73	67	74	75	74	74	76	72	63	23	5	1
11	PV4	1	0	0	0	0	0	0	1	1	1	5	5	4	4	5	5	4	5	5	4	4	4	3	2
12	PV5	1	0	0	0	0	0	0	1	1	1	5	5	4	4	5	5	4	5	5	4	4	4	3	2
13	NFB6	3	1	1	1	1	1	2	3	5	6	16	15	14	13	15	15	15	15	16	14	11	10	9	9
14	NFB7	3	1	1	1	1	1	2	3	5	6	16	15	14	13	15	15	15	15	16	14	11	10	9	9
15	NFB8	3	1	1	1	1	1	2	3	5	6	16	15	14	13	15	15	15	15	16	14	11	10	9	9
16	FBSD	3	1	1	1	1	1	2	3	5	6	13	12	11	11	13	12	12	13	13	11	9	8	8	7
	Total Flow (veh)	35	21	19	17	17	37	85	228	595	684	720	700	649	600	693	704	676	646	688	478	420	168	91	69

PM10 emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	0.004	0.004	0.004	0.003	0.003	0.003	0.003	0.003	0.004	0.004	0.004	0.004	0.004	0.002	0.002	0.002
LGV3	0.016	0.016	0.016	0.016	0.016	0.016	0.017	0.023	0.023	0.023	0.024	0.020	0.020	0.020	0.020	0.019	0.024	0.024	0.024	0.023	0.023	0.017	0.017	0.016
LGV4	0.018	0.018	0.018	0.018	0.018	0.018	0.019	0.026	0.026	0.026	0.027	0.022	0.022	0.022	0.023	0.021	0.027	0.027	0.027	0.026	0.026	0.019	0.019	0.018
PLB	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.029	0.030	0.030	0.030	0.026	0.026	0.026	0.026	0.025	0.030	0.030	0.030	0.030	0.030	0.024	0.024	0.024
LGV6	0.048	0.048	0.048	0.048	0.048	0.048	0.048	0.054	0.055	0.055	0.055	0.050	0.050	0.050	0.051	0.050	0.055	0.055	0.055	0.055	0.055	0.048	0.048	0.048
HGV7	0.042	0.041	0.041	0.041	0.041	0.041	0.042	0.054	0.055	0.055	0.056	0.047	0.047	0.047	0.048	0.046	0.056	0.056	0.056	0.055	0.055	0.042	0.042	0.042
HGV8	0.108	0.107	0.107	0.107	0.107	0.107	0.108	0.137	0.139	0.139	0.142	0.121	0.121	0.121	0.123	0.118	0.142	0.142	0.142	0.139	0.139	0.108	0.108	0.108
FBDD	0.130	0.129	0.129	0.129	0.129	0.129	0.130	0.160	0.163	0.163	0.166	0.143	0.143	0.143	0.145	0.139	0.166	0.166	0.166	0.163	0.163	0.130	0.130	0.130
MC	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.009	0.009	0.009	0.010	0.008	0.008	0.008	0.008	0.007	0.010	0.010	0.010	0.009	0.009	0.006	0.006	0.006
TAXI	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
PV4	0.017	0.017	0.017	0.017	0.017	0.017	0.018	0.025	0.026	0.026	0.026	0.021	0.021	0.021	0.022	0.020	0.026	0.026	0.026	0.026	0.026	0.018	0.018	0.017
PV5	0.030	0.029	0.029	0.029	0.029	0.029	0.030	0.038	0.039	0.039	0.040	0.033	0.033	0.033	0.033	0.032	0.040	0.040	0.040	0.039	0.039	0.030	0.030	0.030
NFB6	0.052	0.052	0.052	0.052	0.052	0.052	0.053	0.067	0.069	0.069	0.070	0.058	0.058	0.058	0.059	0.056	0.070	0.070	0.070	0.069	0.069	0.053	0.053	0.052
NFB7	0.050	0.050	0.050	0.050	0.050	0.050	0.051	0.063	0.065	0.065	0.066	0.057	0.057	0.057	0.058	0.055	0.066	0.066	0.066	0.065	0.065	0.051	0.051	0.050
NFB8	0.187	0.187	0.187	0.187	0.187	0.187	0.187	0.235	0.239	0.239	0.244	0.209	0.209	0.209	0.212	0.203	0.244	0.244	0.244	0.239	0.239	0.187	0.187	0.187
FBSD	0.138	0.138	0.138	0.138	0.138	0.138	0.138	0.166	0.169	0.169	0.172	0.150	0.150	0.150	0.152	0.147	0.172	0.172	0.172	0.169	0.169	0.138	0.138	0.138

Total composite emission factor (g/Veh/km)	0.0520	0.0365	0.0390	0.0415	0.0378	0.0266	0.0303	0.0268	0.0522	0.0538	0.0448	0.0360	0.0388	0.0384	0.0408	0.0384	0.0443	0.0433	0.0474	0.0344	0.0347	0.0445	0.0600	0.0696
Total composite emission factor (g/Veh/mile)	0.08	0.06	0.06	0.07	0.06	0.04	0.05	0.04	0.08	0.09	0.07	0.06	0.06	0.06	0.07	0.06	0.07	0.07	0.08	0.06	0.06	0.07	0.10	0.11

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: TM12_Unnamed Road to EcoPark
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	4	3	2	3	3	3	4	9	14	15	17	15	15	14	16	15	15	16	16	15	12	10	8	2
2	LGV3	0	0	0	0	0	1	3	5	8	8	7	7	6	6	7	7	7	7	7	6	5	0	0	0
3	LGV4	0	0	0	0	0	1	1	4	6	6	6	6	5	5	6	6	5	6	6	5	5	0	0	0
4	PLB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	1	1	4	6	6	6	6	5	5	6	6	5	6	6	5	5	0	0	0
6	HGV7	0	0	0	0	0	0	0	2	7	8	5	4	4	4	5	4	4	5	5	2	1	0	0	0
7	HGV8	0	0	0	0	0	0	0	6	38	42	25	24	23	21	24	24	19	24	24	15	10	1	0	0
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	1	1	2	1	1	1	1	5	9	9	10	10	9	9	10	10	10	10	10	9	7	6	5	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	5	4	4	4	4	7	10	35	88	94	76	72	67	64	74	72	65	74	74	57	45	17	13	2

PM10 emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
LGV3	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025
LGV4	0.028	0.028	0.028	0.028	0.028	0.028	0.028	0.028	0.028	0.028	0.028	0.028	0.028	0.028	0.028	0.028	0.028	0.028	0.028	0.028	0.028	0.028	0.028	0.028	0.028
PLB	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032
LGV6	0.057	0.057	0.057	0.057	0.057	0.057	0.057	0.057	0.057	0.057	0.057	0.057	0.057	0.057	0.057	0.057	0.057	0.057	0.057	0.057	0.057	0.057	0.057	0.057	0.057
HGV7	0.059	0.059	0.059	0.059	0.059	0.059	0.059	0.059	0.059	0.059	0.059	0.059	0.059	0.059	0.059	0.059	0.059	0.059	0.059	0.059	0.059	0.059	0.059	0.059	0.059
HGV8	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148
FBDD	0.173	0.173	0.173	0.173	0.173	0.173	0.173	0.173	0.173	0.173	0.173	0.173	0.173	0.173	0.173	0.173	0.173	0.173	0.173	0.173	0.173	0.173	0.173	0.173	0.173
MC	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010
TAXI	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
PV4	0.028	0.028	0.028	0.028	0.028	0.028	0.028	0.028	0.028	0.028	0.028	0.028	0.028	0.028	0.028	0.028	0.028	0.028	0.028	0.028	0.028	0.028	0.028	0.028	0.028
PV5	0.043	0.043	0.043	0.043	0.043	0.043	0.043	0.043	0.043	0.043	0.043	0.043	0.043	0.043	0.043	0.043	0.043	0.043	0.043	0.043	0.043	0.043	0.043	0.043	0.043
NFB6	0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.075
NFB7	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068
NFB8	0.254	0.254	0.254	0.254	0.254	0.254	0.254	0.254	0.254	0.254	0.254	0.254	0.254	0.254	0.254	0.254	0.254	0.254	0.254	0.254	0.254	0.254	0.254	0.254	0.254
FBSD	0.178	0.178	0.178	0.178	0.178	0.178	0.178	0.178	0.178	0.178	0.178	0.178	0.178	0.178	0.178	0.178	0.178	0.178	0.178	0.178	0.178	0.178	0.178	0.178	0.178

Total composite emission factor (g/Veh/km)	0.0034	0.0032	0.0022	0.0032	0.0032	0.0175	0.0177	0.0431	0.0774	0.0795	0.0626	0.0631	0.0639	0.0622	0.0622	0.0631	0.0572	0.0622	0.0622	0.0523	0.0476	0.0113	0.0026	0.0043
Total composite emission factor (g/Veh/mile)	0.01	0.01	0.00	0.01	0.01	0.03	0.03	0.07	0.12	0.13	0.10	0.10	0.10	0.10	0.10	0.10	0.09	0.10	0.10	0.08	0.08	0.02	0.00	0.01

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: TM13_Lung Yiu Street
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	4	2	1	1	0	3	10	20	32	34	26	23	22	22	24	23	23	24	24	22	13	4	6	1
2	LGV3	1	1	0	1	0	1	5	12	18	19	12	11	10	9	11	11	11	11	12	10	3	3	2	0
3	LGV4	0	0	0	0	0	0	4	6	14	15	10	9	8	7	9	9	9	9	10	8	5	2	1	2
4	PLB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	4	6	14	15	9	8	7	6	8	8	8	8	9	7	3	2	1	1
6	HGV7	0	0	0	0	0	0	1	4	28	32	21	17	19	18	21	20	20	20	19	3	3	1	0	0
7	HGV8	0	0	0	0	0	0	2	4	38	42	21	17	19	18	21	20	20	20	19	3	3	1	0	0
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	1	0
10	TAXI	2	1	1	0	0	0	5	12	19	21	12	11	10	10	11	11	11	11	12	10	4	3	2	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	2	2	2	2	2	2	2	2	2	2	2	2	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	2	2	2	2	2	2	2	2	2	2	2	2	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	2	2	2	2	2	2	2	2	2	2	2	2	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	7	4	2	2	0	4	31	70	169	184	118	103	102	97	112	109	109	110	112	64	35	16	13	4

PM10 emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
LGV3	0.022	0.022	0.022	0.022	0.022	0.022	0.023	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.025	0.025	0.025	0.024	0.024	0.024	0.024	0.022
LGV4	0.025	0.025	0.025	0.025	0.025	0.025	0.026	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.025
PLB	0.028	0.028	0.028	0.028	0.028	0.028	0.030	0.030	0.030	0.030	0.030	0.030	0.030	0.030	0.030	0.030	0.030	0.031	0.031	0.031	0.030	0.030	0.030	0.030	0.028
LGV6	0.053	0.053	0.053	0.053	0.053	0.053	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.056	0.056	0.056	0.055	0.055	0.055	0.055	0.053
HGV7	0.053	0.053	0.053	0.053	0.053	0.053	0.055	0.056	0.056	0.056	0.056	0.056	0.056	0.056	0.056	0.056	0.056	0.057	0.057	0.057	0.056	0.056	0.056	0.056	0.053
HGV8	0.134	0.134	0.134	0.134	0.134	0.134	0.139	0.142	0.142	0.142	0.142	0.142	0.142	0.142	0.142	0.142	0.142	0.145	0.145	0.145	0.142	0.142	0.142	0.142	0.134
FBDD	0.157	0.157	0.157	0.157	0.157	0.157	0.163	0.166	0.166	0.166	0.166	0.166	0.166	0.166	0.166	0.166	0.166	0.169	0.169	0.169	0.166	0.166	0.166	0.166	0.157
MC	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.009
TAXI	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
PV4	0.024	0.024	0.024	0.024	0.024	0.024	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.027	0.027	0.027	0.026	0.026	0.026	0.026	0.024
PV5	0.037	0.037	0.037	0.037	0.037	0.037	0.039	0.040	0.040	0.040	0.040	0.040	0.040	0.040	0.040	0.040	0.040	0.042	0.042	0.042	0.040	0.040	0.040	0.040	0.037
NFB6	0.065	0.065	0.065	0.065	0.065	0.065	0.069	0.070	0.070	0.070	0.070	0.070	0.070	0.070	0.070	0.070	0.070	0.073	0.073	0.073	0.070	0.070	0.070	0.070	0.065
NFB7	0.062	0.062	0.062	0.062	0.062	0.062	0.065	0.066	0.066	0.066	0.066	0.066	0.066	0.066	0.066	0.066	0.066	0.067	0.067	0.067	0.066	0.066	0.066	0.066	0.062
NFB8	0.231	0.231	0.231	0.231	0.231	0.231	0.239	0.244	0.244	0.244	0.244	0.244	0.244	0.244	0.244	0.244	0.244	0.248	0.248	0.248	0.244	0.244	0.244	0.244	0.231
FBSD	0.164	0.164	0.164	0.164	0.164	0.164	0.169	0.172	0.172	0.172	0.172	0.172	0.172	0.172	0.172	0.172	0.172	0.175	0.175	0.175	0.172	0.172	0.172	0.172	0.164

Total composite emission factor (g/Veh/km)	0.0053	0.0074	0.0018	0.0130	0.0000	0.0083	0.0262	0.0345	0.0559	0.0562	0.0516	0.0503	0.0536	0.0532	0.0533	0.0530	0.0541	0.0536	0.0518	0.0240	0.0294	0.0281	0.0126	0.0267
Total composite emission factor (g/Veh/mile)	0.01	0.01	0.00	0.02	0.00	0.01	0.04	0.06	0.09	0.09	0.08	0.08	0.09	0.09	0.09	0.09	0.09	0.09	0.08	0.04	0.05	0.05	0.02	0.04

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: TM14_Lung Mun Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	2	2	2	0	2	5	13	73	96	103	167	173	144	137	154	157	153	145	160	144	116	23	5	6
2	LGV3	1	3	4	1	2	5	8	7	20	24	44	43	40	38	43	43	41	43	43	40	50	15	4	3
3	LGV4	1	1	1	3	2	6	5	4	10	11	38	37	35	34	38	37	38	38	36	35	38	9	4	0
4	PLB	5	3	2	2	2	2	3	6	6	6	12	11	10	10	11	11	11	11	12	10	8	8	7	6
5	LGV6	1	1	1	3	2	6	5	4	11	11	34	33	32	31	34	33	34	34	32	32	37	12	3	1
6	HGV7	0	0	0	0	0	0	1	2	149	190	138	132	123	104	119	135	132	112	100	7	7	2	0	0
7	HGV8	0	0	0	0	0	0	2	11	65	79	26	21	31	27	41	38	20	12	48	9	8	6	2	0
8	FBDD	2	1	1	0	0	0	2	2	4	4	11	11	9	9	11	11	11	11	11	9	8	7	6	6
9	MC	0	0	0	0	0	0	0	1	1	1	5	5	5	4	5	5	5	5	5	5	4	4	3	4
10	TAXI	2	2	2	2	3	5	7	40	48	51	62	70	63	57	63	64	63	63	64	62	59	20	3	1
11	PV4	1	0	0	0	0	0	0	1	1	1	5	5	4	4	5	5	4	5	5	4	4	4	3	2
12	PV5	1	0	0	0	0	0	0	1	1	1	5	5	4	4	5	5	4	5	5	4	4	4	3	2
13	NFB6	3	1	1	1	1	1	2	1	3	4	14	13	12	11	13	13	13	13	14	14	11	10	9	9
14	NFB7	3	1	1	1	1	1	2	1	3	4	14	13	12	11	13	13	13	13	14	14	11	10	9	9
15	NFB8	3	1	1	1	1	1	2	1	3	4	14	13	12	11	13	13	13	13	14	14	11	10	9	9
16	FBSD	3	1	1	1	1	1	2	3	5	6	13	12	11	11	13	12	12	13	13	11	9	8	8	7
	Total Flow (veh)	28	17	17	15	17	33	54	158	426	500	602	597	547	503	581	595	567	536	576	414	385	152	78	65

PM10 emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	0.004	0.004	0.004	0.003	0.003	0.003	0.003	0.003	0.004	0.004	0.004	0.004	0.004	0.002	0.002	0.002
LGV3	0.016	0.016	0.016	0.016	0.016	0.016	0.017	0.023	0.023	0.023	0.024	0.020	0.020	0.020	0.020	0.019	0.024	0.024	0.024	0.023	0.023	0.017	0.017	0.016
LGV4	0.018	0.018	0.018	0.018	0.018	0.018	0.019	0.026	0.026	0.026	0.027	0.022	0.022	0.022	0.023	0.021	0.027	0.027	0.027	0.026	0.026	0.019	0.019	0.018
PLB	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.029	0.030	0.030	0.030	0.026	0.026	0.026	0.026	0.025	0.030	0.030	0.030	0.030	0.030	0.024	0.024	0.024
LGV6	0.048	0.048	0.048	0.048	0.048	0.048	0.048	0.054	0.055	0.055	0.055	0.050	0.050	0.050	0.051	0.050	0.055	0.055	0.055	0.055	0.055	0.048	0.048	0.048
HGV7	0.042	0.041	0.041	0.041	0.041	0.041	0.042	0.054	0.055	0.055	0.056	0.047	0.047	0.047	0.048	0.046	0.056	0.056	0.056	0.055	0.055	0.042	0.042	0.042
HGV8	0.108	0.107	0.107	0.107	0.107	0.107	0.108	0.137	0.139	0.139	0.142	0.121	0.121	0.121	0.123	0.118	0.142	0.142	0.142	0.139	0.139	0.108	0.108	0.108
FBDD	0.130	0.129	0.129	0.129	0.129	0.129	0.130	0.160	0.163	0.163	0.166	0.143	0.143	0.143	0.145	0.139	0.166	0.166	0.166	0.163	0.163	0.130	0.130	0.130
MC	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.009	0.009	0.009	0.010	0.008	0.008	0.008	0.008	0.007	0.010	0.010	0.010	0.009	0.009	0.006	0.006	0.006
TAXI	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
PV4	0.017	0.017	0.017	0.017	0.017	0.017	0.018	0.025	0.026	0.026	0.026	0.021	0.021	0.021	0.022	0.020	0.026	0.026	0.026	0.026	0.026	0.018	0.018	0.017
PV5	0.030	0.029	0.029	0.029	0.029	0.029	0.030	0.038	0.039	0.039	0.040	0.033	0.033	0.033	0.033	0.032	0.040	0.040	0.040	0.039	0.039	0.030	0.030	0.030
NFB6	0.052	0.052	0.052	0.052	0.052	0.052	0.053	0.067	0.069	0.069	0.070	0.058	0.058	0.058	0.059	0.056	0.070	0.070	0.070	0.069	0.069	0.053	0.053	0.052
NFB7	0.050	0.050	0.050	0.050	0.050	0.050	0.051	0.063	0.065	0.065	0.066	0.057	0.057	0.057	0.058	0.055	0.066	0.066	0.066	0.065	0.065	0.051	0.051	0.050
NFB8	0.187	0.187	0.187	0.187	0.187	0.187	0.187	0.235	0.239	0.239	0.244	0.209	0.209	0.209	0.212	0.203	0.244	0.244	0.244	0.239	0.239	0.187	0.187	0.187
FBSD	0.138	0.138	0.138	0.138	0.138	0.138	0.138	0.166	0.169	0.169	0.172	0.150	0.150	0.150	0.152	0.147	0.172	0.172	0.172	0.169	0.169	0.138	0.138	0.138

Total composite emission factor (g/Veh/km)	0.0641	0.0439	0.0434	0.0458	0.0378	0.0291	0.0360	0.0240	0.0512	0.0534	0.0435	0.0349	0.0375	0.0371	0.0398	0.0375	0.0427	0.0414	0.0468	0.0361	0.0353	0.0469	0.0684	0.0726
Total composite emission factor (g/Veh/mile)	0.10	0.07	0.07	0.07	0.06	0.05	0.06	0.04	0.08	0.09	0.07	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.08	0.06	0.06	0.08	0.11	0.12

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: TM15_Lung Yiu Street
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	3	1	1	1	0	2	7	14	22	23	11	9	9	9	9	9	9	9	9	9	5	1	4	1
2	LGV3	1	1	0	1	0	1	3	9	13	13	4	4	4	3	3	4	4	3	4	4	0	1	2	0
3	LGV4	0	0	0	0	0	0	2	2	9	10	3	4	3	2	3	4	4	3	4	3	1	1	1	2
4	PLB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	2	2	9	10	2	3	2	1	2	3	3	2	3	2	0	1	1	1
6	HGV7	0	0	0	0	0	0	1	2	18	21	16	12	15	14	17	15	15	16	14	1	2	0	0	0
7	HGV8	0	0	0	0	0	0	1	2	24	27	16	12	15	14	17	15	15	16	14	1	2	0	0	0
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	1	0
10	TAXI	1	0	1	0	0	0	3	9	13	15	2	2	1	2	1	2	2	1	2	1	1	1	1	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	2	2	2	1	1	1	1	1	1	1	1	1	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	2	2	2	1	1	1	1	1	1	1	1	1	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	2	2	2	1	1	1	1	1	1	1	1	1	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	5	2	2	2	0	3	19	46	114	125	58	50	53	49	56	56	56	54	54	22	12	5	10	4

PM10 emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
LGV3	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019
LGV4	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021
PLB	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025
LGV6	0.049	0.049	0.049	0.049	0.049	0.049	0.049	0.049	0.049	0.049	0.049	0.049	0.049	0.049	0.049	0.049	0.049	0.049	0.049	0.049	0.049	0.049	0.049	0.049	0.049
HGV7	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045
HGV8	0.116	0.116	0.116	0.116	0.116	0.116	0.116	0.116	0.116	0.116	0.116	0.116	0.116	0.116	0.116	0.116	0.116	0.116	0.116	0.116	0.116	0.116	0.116	0.116	0.116
FBDD	0.137	0.137	0.137	0.137	0.137	0.137	0.137	0.137	0.137	0.137	0.137	0.137	0.137	0.137	0.137	0.137	0.137	0.137	0.137	0.137	0.137	0.137	0.137	0.137	0.137
MC	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007
TAXI	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
PV4	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020
PV5	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031
NFB6	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055
NFB7	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054
NFB8	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200
FBSD	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145

Total composite emission factor (g/Veh/km)	0.0054	0.0107	0.0014	0.0107	0.0000	0.0081	0.0198	0.0280	0.0452	0.0456	0.0545	0.0516	0.0565	0.0560	0.0589	0.0547	0.0547	0.0581	0.0537	0.0195	0.0303	0.0183	0.0126	0.0235
Total composite emission factor (g/Veh/mile)	0.01	0.02	0.00	0.02	0.00	0.01	0.03	0.05	0.07	0.07	0.09	0.08	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.03	0.05	0.03	0.02	0.04

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: TM16_Lung Hong Street
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	1	1	0	0	0	1	3	6	10	11	15	14	13	13	15	14	14	15	15	13	8	3	2	0
2	LGV3	0	0	0	0	0	0	2	3	5	6	8	7	6	6	8	7	7	8	8	6	3	2	0	0
3	LGV4	0	0	0	0	0	0	2	4	5	5	7	5	5	5	6	5	5	6	6	5	4	1	0	0
4	PLB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	2	4	5	5	7	5	5	5	6	5	5	6	6	5	3	1	0	0
6	HGV7	0	0	0	0	0	0	0	2	10	11	5	5	4	4	4	5	5	4	5	2	1	1	0	0
7	HGV8	0	0	0	0	0	0	1	2	14	15	5	5	4	4	4	5	5	4	5	2	1	1	0	0
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	1	1	0	0	0	0	2	3	6	6	10	9	9	8	10	9	9	10	10	9	3	2	1	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	2	2	0	0	0	1	12	24	55	59	60	53	49	48	56	53	53	56	58	42	23	11	3	0

PM10 emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
LGV3	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019
LGV4	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021
PLB	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025
LGV6	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050
HGV7	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046
HGV8	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118
FBDD	0.139	0.139	0.139	0.139	0.139	0.139	0.139	0.139	0.139	0.139	0.139	0.139	0.139	0.139	0.139	0.139	0.139	0.139	0.139	0.139	0.139	0.139	0.139	0.139
MC	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007
TAXI	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
PV4	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020
PV5	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032
NFB6	0.056	0.056	0.056	0.056	0.056	0.056	0.056	0.056	0.056	0.056	0.056	0.056	0.056	0.056	0.056	0.056	0.056	0.056	0.056	0.056	0.056	0.056	0.056	0.056
NFB7	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055
NFB8	0.203	0.203	0.203	0.203	0.203	0.203	0.203	0.203	0.203	0.203	0.203	0.203	0.203	0.203	0.203	0.203	0.203	0.203	0.203	0.203	0.203	0.203	0.203	0.203
FBSD	0.147	0.147	0.147	0.147	0.147	0.147	0.147	0.147	0.147	0.147	0.147	0.147	0.147	0.147	0.147	0.147	0.147	0.147	0.147	0.147	0.147	0.147	0.147	0.147

Total composite emission factor (g/Veh/km)	0.0014	0.0014	0.0000	0.0000	0.0000	0.0028	0.0255	0.0285	0.0469	0.0469	0.0303	0.0313	0.0300	0.0307	0.0283	0.0313	0.0313	0.0283	0.0302	0.0198	0.0207	0.0255	0.0019	0.0000
Total composite emission factor (g/Veh/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.05	0.08	0.08	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.03	0.03	0.04	0.00	0.00

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: R1_Internal Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	LGV3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	LGV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	PLB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	HGV7	0	0	0	0	0	0	0	0	21	44	40	38	36	32	40	38	42	38	13	0	0	0	0	0
7	HGV8	0	0	0	0	0	0	0	0	118	246	232	214	208	186	224	220	240	210	76	0	0	0	0	0
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	0	0	0	0	0	0	0	0	139	290	272	252	244	218	264	258	282	248	89	0	0	0	0	0

PM10 emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011
LGV3	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045
LGV4	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050
PLB	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068
LGV6	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096
HGV7	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161
HGV8	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329
FBDD	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328
MC	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023
TAXI	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
PV4	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054
PV5	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094
NFB6	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164
NFB7	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153
NFB8	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521
FBSD	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320

Total composite emission factor (g/Veh/km)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.3034	0.3033	0.3041	0.3035	0.3040	0.3042	0.3034	0.3041	0.3038	0.3031	0.3043	0.0000	0.0000	0.0000	0.0000	0.0000
Total composite emission factor (g/Veh/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.00	0.00	0.00	0.00	0.00

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: R2_Internal Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	LGV3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	LGV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	PLB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	HGV7	0	0	0	0	0	0	0	0	21	44	40	38	36	32	40	38	42	38	13	0	0	0	0	0
7	HGV8	0	0	0	0	0	0	0	0	118	246	232	214	208	186	224	220	240	210	76	0	0	0	0	0
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	0	0	0	0	0	0	0	0	139	290	272	252	244	218	264	258	282	248	89	0	0	0	0	0

PM10 emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011
LGV3	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045
LGV4	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050
PLB	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068
LGV6	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096
HGV7	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161
HGV8	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329
FBDD	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328
MC	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023
TAXI	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
PV4	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054
PV5	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094
NFB6	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164
NFB7	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153
NFB8	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521
FBSD	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320

Total composite emission factor (g/Veh/km)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.3034	0.3033	0.3041	0.3035	0.3040	0.3042	0.3034	0.3041	0.3038	0.3031	0.3043	0.0000	0.0000	0.0000	0.0000	0.0000
Total composite emission factor (g/Veh/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.00	0.00	0.00	0.00	0.00

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: R3_Internal Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	LGV3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	LGV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	PLB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	HGV7	0	0	0	0	0	0	0	0	21	44	40	38	36	32	40	38	42	38	13	0	0	0	0	0
7	HGV8	0	0	0	0	0	0	0	0	118	246	232	214	208	186	224	220	240	210	76	0	0	0	0	0
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	0	0	0	0	0	0	0	0	139	290	272	252	244	218	264	258	282	248	89	0	0	0	0	0

PM10 emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011
LGV3	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045
LGV4	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050
PLB	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068
LGV6	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096
HGV7	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161
HGV8	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329
FBDD	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328
MC	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023
TAXI	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
PV4	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054
PV5	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094
NFB6	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164
NFB7	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153
NFB8	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521
FBSD	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320

Total composite emission factor (g/Veh/km)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.3034	0.3033	0.3041	0.3035	0.3040	0.3042	0.3034	0.3041	0.3038	0.3031	0.3043	0.0000	0.0000	0.0000	0.0000	0.0000
Total composite emission factor (g/Veh/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.00	0.00	0.00	0.00	0.00

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: R4_Internal Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	LGV3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	LGV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	PLB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	HGV7	0	0	0	0	0	0	0	0	21	44	40	38	36	32	40	38	42	38	13	0	0	0	0	0
7	HGV8	0	0	0	0	0	0	0	0	118	246	232	214	208	186	224	220	240	210	76	0	0	0	0	0
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	0	0	0	0	0	0	0	0	139	290	272	252	244	218	264	258	282	248	89	0	0	0	0	0

PM10 emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011
LGV3	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045
LGV4	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050
PLB	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068
LGV6	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096
HGV7	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161
HGV8	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329
FBDD	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328
MC	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023
TAXI	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
PV4	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054
PV5	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094
NFB6	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164
NFB7	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153
NFB8	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521
FBSD	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320

Total composite emission factor (g/Veh/km)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.3034	0.3033	0.3041	0.3035	0.3040	0.3042	0.3034	0.3041	0.3038	0.3031	0.3043	0.0000	0.0000	0.0000	0.0000	0.0000
Total composite emission factor (g/Veh/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.00	0.00	0.00	0.00	0.00

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: R5_Internal Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	LGV3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	LGV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	PLB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	HGV7	0	0	0	0	0	0	0	0	21	44	40	38	36	32	40	38	42	38	13	0	0	0	0	0
7	HGV8	0	0	0	0	0	0	0	0	118	246	232	214	208	186	224	220	240	210	76	0	0	0	0	0
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	0	0	0	0	0	0	0	0	139	290	272	252	244	218	264	258	282	248	89	0	0	0	0	0

PM10 emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011
LGV3	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045
LGV4	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050
PLB	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068
LGV6	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096
HGV7	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161
HGV8	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329
FBDD	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328
MC	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023
TAXI	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
PV4	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054
PV5	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094
NFB6	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164
NFB7	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153
NFB8	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521
FBSD	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320

Total composite emission factor (g/Veh/km)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.3034	0.3033	0.3041	0.3035	0.3040	0.3042	0.3034	0.3041	0.3038	0.3031	0.3043	0.0000	0.0000	0.0000	0.0000	0.0000
Total composite emission factor (g/Veh/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.00	0.00	0.00	0.00	0.00

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: R6_Internal Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	LGV3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	LGV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	PLB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	HGV7	0	0	0	0	0	0	0	0	3	5	4	4	4	4	4	4	5	4	2	0	0	0	0	0
7	HGV8	0	0	0	0	0	0	0	0	14	27	25	24	23	21	25	24	26	23	10	0	0	0	0	0
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	0	0	0	0	0	0	0	0	17	32	29	28	27	25	29	28	31	27	12	0	0	0	0	0

PM10 emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011
LGV3	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045
LGV4	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050
PLB	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068
LGV6	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096
HGV7	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161
HGV8	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329
FBDD	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328
MC	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023
TAXI	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
PV4	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054
PV5	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094
NFB6	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164
NFB7	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153
NFB8	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521
FBSD	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320

Total composite emission factor (g/Veh/km)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.2992	0.3026	0.3056	0.3048	0.3039	0.3019	0.3056	0.3048	0.3017	0.3039	0.3008	0.0000	0.0000	0.0000	0.0000	0.0000
Total composite emission factor (g/Veh/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.48	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.00	0.00	0.00	0.00	0.00

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: R7_Internal Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	LGV3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	LGV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	PLB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	HGV7	0	0	0	0	0	0	0	0	3	5	4	4	4	4	4	4	5	4	2	0	0	0	0	0
7	HGV8	0	0	0	0	0	0	0	0	12	25	23	22	21	19	23	22	24	21	8	0	0	0	0	0
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	0	0	0	0	0	0	0	0	15	30	27	26	25	23	27	26	29	25	10	0	0	0	0	0

PM10 emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011
LGV3	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045
LGV4	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050
PLB	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068
LGV6	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096
HGV7	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161
HGV8	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329
FBDD	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328
MC	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023
TAXI	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
PV4	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054
PV5	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094
NFB6	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164
NFB7	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153
NFB8	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521
FBSD	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320

Total composite emission factor (g/Veh/km)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.2952	0.3008	0.3039	0.3030	0.3019	0.2996	0.3039	0.3030	0.2999	0.3019	0.2952	0.0000	0.0000	0.0000	0.0000	0.0000
Total composite emission factor (g/Veh/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.48	0.49	0.49	0.49	0.49	0.48	0.49	0.49	0.48	0.49	0.48	0.00	0.00	0.00	0.00	0.00

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: R9_Internal Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	LGV3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	LGV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	PLB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	HGV7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	HGV8	0	0	0	0	0	0	0	0	2	2	2	2	2	2	2	2	2	2	2	2	0	0	0	0
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	0	0	0	0	0	0	0	0	2	2	2	2	2	2	2	2	2	2	2	0	0	0	0	0

PM10 emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011
LGV3	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045
LGV4	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050
PLB	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068
LGV6	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096
HGV7	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161
HGV8	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329
FBDD	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328
MC	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023
TAXI	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
PV4	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054
PV5	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094
NFB6	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164
NFB7	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153
NFB8	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521
FBSD	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320

Total composite emission factor (g/Veh/km)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.3288	0.3288	0.3288	0.3288	0.3288	0.3288	0.3288	0.3288	0.3288	0.3288	0.3288	0.0000	0.0000	0.0000	0.0000	0.0000
Total composite emission factor (g/Veh/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.00	0.00	0.00	0.00	0.00

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: R10_Internal Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	LGV3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	LGV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	PLB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	HGV7	0	0	0	0	0	0	0	0	18	39	36	34	32	28	36	34	37	34	11	0	0	0	0	0
7	HGV8	0	0	0	0	0	0	0	0	104	219	207	190	185	165	199	196	214	187	66	0	0	0	0	0
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	0	0	0	0	0	0	0	0	122	258	243	224	217	193	235	230	251	221	77	0	0	0	0	0

PM10 emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011
LGV3	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045
LGV4	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050
PLB	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068
LGV6	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096
HGV7	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161
HGV8	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329
FBDD	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328
MC	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023
TAXI	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
PV4	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054
PV5	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094
NFB6	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164
NFB7	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153
NFB8	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521
FBSD	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320

Total composite emission factor (g/Veh/km)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.3040	0.3034	0.3039	0.3033	0.3040	0.3044	0.3031	0.3040	0.3040	0.3030	0.3048	0.0000	0.0000	0.0000	0.0000	0.0000
Total composite emission factor (g/Veh/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.00	0.00	0.00	0.00	0.00

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: R11_Internal Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	LGV3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	LGV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	PLB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	HGV7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	HGV8	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80

PM10 emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011
LGV3	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045
LGV4	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050
PLB	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068
LGV6	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096
HGV7	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161
HGV8b	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128
FBDD	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328
MC	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023
TAXI	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
PV4	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054
PV5	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094
NFB6	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164
NFB7	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153
NFB8	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521
FBSD	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320

Total composite emission factor (g/Veh/km)	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277
Total composite emission factor (g/Veh/mile)	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: R12_Internal Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	LGV3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	LGV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	PLB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	HGV7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	HGV8	0	0	0	0	0	0	0	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	0
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	0	0	0	0	0	0	0	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	0

PM10 emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011
LGV3	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045
LGV4	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050
PLB	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068
LGV6	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096
HGV7	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161
HGV8b	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128
FBDD	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328
MC	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023
TAXI	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
PV4	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054
PV5	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094
NFB6	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164
NFB7	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153
NFB8	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521
FBSD	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320

Total composite emission factor (g/Veh/km)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.0000
Total composite emission factor (g/Veh/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.00

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: R13_Internal Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	LGV3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	LGV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	PLB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	HGV7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	HGV8	0	0	0	0	0	0	0	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	0
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	0	0	0	0	0	0	0	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	0

PM10 emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011
LGV3	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045
LGV4	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050
PLB	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068
LGV6	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096
HGV7	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161
HGV8b	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128
FBDD	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328
MC	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023
TAXI	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
PV4	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054
PV5	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094
NFB6	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164
NFB7	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153
NFB8	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521
FBSD	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320

Total composite emission factor (g/Veh/km)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.0000
Total composite emission factor (g/Veh/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.00

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: R14_Internal Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	LGV3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	LGV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	PLB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	HGV7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	HGV8	66	66	66	66	66	66	66	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	66
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	66	66	66	66	66	66	66	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	66

PM10 emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011
LGV3	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045
LGV4	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050
PLB	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068
LGV6	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096
HGV7	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161
HGV8b	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128
FBDD	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328
MC	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023
TAXI	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
PV4	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054
PV5	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094
NFB6	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164
NFB7	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153
NFB8	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521
FBSD	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320

Total composite emission factor (g/Veh/km)	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277
Total composite emission factor (g/Veh/mile)	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: R15_Internal Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	LGV3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	LGV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	PLB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	HGV7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	HGV8	66	66	66	66	66	66	66	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	66
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	66	66	66	66	66	66	66	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	66

PM10 emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011
LGV3	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045
LGV4	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050
PLB	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068
LGV6	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096
HGV7	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161
HGV8b	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128
FBDD	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328
MC	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023
TAXI	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
PV4	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054
PV5	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094
NFB6	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164
NFB7	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153
NFB8	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521
FBSD	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320

Total composite emission factor (g/Veh/km)	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277
Total composite emission factor (g/Veh/mile)	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: R17_Internal Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	LGV3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	LGV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	PLB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	HGV7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	HGV8	66	66	66	66	66	66	66	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	66
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	66	66	66	66	66	66	66	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	66

PM10 emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011
LGV3	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045
LGV4	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050
PLB	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068
LGV6	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096
HGV7	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161
HGV8b	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128
FBDD	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328
MC	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023
TAXI	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
PV4	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054
PV5	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094
NFB6	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164
NFB7	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153
NFB8	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521
FBSD	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320

Total composite emission factor (g/Veh/km)	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277
Total composite emission factor (g/Veh/mile)	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: R19_Internal Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	LGV3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	LGV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	PLB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	HGV7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	HGV8	0	0	0	0	0	0	0	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166	0
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	0	0	0	0	0	0	0	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166	0

PM10 emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011
LGV3	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045
LGV4	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050
PLB	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068
LGV6	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096
HGV7	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161
HGV8b	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128
FBDD	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328
MC	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023
TAXI	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
PV4	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054
PV5	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094
NFB6	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164
NFB7	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153
NFB8	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521
FBSD	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320

Total composite emission factor (g/Veh/km)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.0000
Total composite emission factor (g/Veh/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.00

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: R20_Internal Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	LGV3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	LGV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	PLB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	HGV7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	HGV8	0	0	0	0	0	0	0	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	0
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	0	0	0	0	0	0	0	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	0

PM10 emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011
LGV3	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045
LGV4	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050
PLB	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068
LGV6	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096
HGV7	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161
HGV8b	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128
FBDD	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328
MC	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023
TAXI	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
PV4	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054
PV5	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094
NFB6	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164
NFB7	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153
NFB8	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521
FBSD	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320

Total composite emission factor (g/Veh/km)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.0000
Total composite emission factor (g/Veh/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.00

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: R21_Internal Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	LGV3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	LGV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	PLB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	HGV7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	HGV8	132	132	132	132	132	132	132	274	274	274	274	274	274	274	274	274	274	274	274	274	274	274	274	132
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	132	132	132	132	132	132	132	274	274	274	274	274	274	274	274	274	274	274	274	274	274	274	274	132

PM10 emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011
LGV3	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045
LGV4	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050
PLB	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068
LGV6	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096
HGV7	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161
HGV8b	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128
FBDD	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328
MC	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023
TAXI	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
PV4	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054
PV5	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094
NFB6	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164
NFB7	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153
NFB8	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521
FBSD	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320

Total composite emission factor (g/Veh/km)	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277
Total composite emission factor (g/Veh/mile)	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: R22_Internal Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	LGV3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	LGV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	PLB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	HGV7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	HGV8	132	132	132	132	132	132	132	148	148	148	148	148	148	148	148	148	148	148	148	148	148	148	148	132
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	132	132	132	132	132	132	132	148	148	148	148	148	148	148	148	148	148	148	148	148	148	148	148	132

PM10 emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011
LGV3	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045
LGV4	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050
PLB	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068
LGV6	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096
HGV7	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161
HGV8b	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128
FBDD	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328
MC	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023
TAXI	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
PV4	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054
PV5	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094
NFB6	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164
NFB7	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153
NFB8	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521
FBSD	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320

Total composite emission factor (g/Veh/km)	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277	0.1277
Total composite emission factor (g/Veh/mile)	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: R25_Internal Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	LGV3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	LGV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	PLB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	HGV7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	HGV8	0	0	0	0	0	0	0	0	17	17	17	17	17	17	17	17	17	17	17	17	17	17	0	0
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	0	0	0	0	0	0	0	0	17	17	17	17	17	17	17	17	17	17	17	17	0	0	0	0

PM10 emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011
LGV3	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045
LGV4	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050
PLB	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068
LGV6	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096
HGV7	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161
HGV8	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329
FBDD	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328
MC	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023
TAXI	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
PV4	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054
PV5	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094
NFB6	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164
NFB7	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153
NFB8	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521
FBSD	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320

Total composite emission factor (g/Veh/km)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.3288	0.3288	0.3288	0.3288	0.3288	0.3288	0.3288	0.3288	0.3288	0.3288	0.3288	0.3288	0.0000	0.0000	0.0000	0.0000
Total composite emission factor (g/Veh/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.00	0.00	0.00	0.00

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: R26_Internal Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	LGV3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	LGV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	PLB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	HGV7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	HGV8	0	0	0	0	0	0	0	0	17	17	17	17	17	17	17	17	17	17	17	17	17	17	0	0
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	0	0	0	0	0	0	0	0	17	17	17	17	17	17	17	17	17	17	17	17	0	0	0	0

PM10 emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011
LGV3	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045
LGV4	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050
PLB	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068
LGV6	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096
HGV7	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161
HGV8	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329
FBDD	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328
MC	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023
TAXI	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
PV4	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054
PV5	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094
NFB6	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164
NFB7	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153
NFB8	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521
FBSD	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320

Total composite emission factor (g/Veh/km)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.3288	0.3288	0.3288	0.3288	0.3288	0.3288	0.3288	0.3288	0.3288	0.3288	0.3288	0.3288	0.0000	0.0000	0.0000	0.0000
Total composite emission factor (g/Veh/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.00	0.00	0.00	0.00

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: R27_Internal Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	LGV3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	LGV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	PLB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	HGV7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	HGV8	0	0	0	0	0	0	0	0	17	17	17	17	17	17	17	17	17	17	17	17	17	17	0	0
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	0	0	0	0	0	0	0	0	17	17	17	17	17	17	17	17	17	17	17	17	0	0	0	0

PM10 emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011
LGV3	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045
LGV4	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050
PLB	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068
LGV6	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096
HGV7	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161
HGV8	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329
FBDD	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328
MC	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023
TAXI	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
PV4	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054
PV5	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094
NFB6	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164
NFB7	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153
NFB8	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521
FBSD	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320

Total composite emission factor (g/Veh/km)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.3288	0.3288	0.3288	0.3288	0.3288	0.3288	0.3288	0.3288	0.3288	0.3288	0.3288	0.3288	0.0000	0.0000	0.0000	0.0000
Total composite emission factor (g/Veh/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.00	0.00	0.00	0.00

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: R28_Internal Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	LGV3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	LGV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	PLB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	HGV7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	HGV8	0	0	0	0	0	0	0	0	17	17	17	17	17	17	17	17	17	17	17	17	17	17	0	0
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	0	0	0	0	0	0	0	0	17	17	17	17	17	17	17	17	17	17	17	17	0	0	0	0

PM10 emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011
LGV3	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045
LGV4	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050
PLB	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068
LGV6	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096
HGV7	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161
HGV8	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329
FBDD	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328
MC	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023
TAXI	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
PV4	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054
PV5	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094
NFB6	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164
NFB7	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153
NFB8	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521
FBSD	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320

Total composite emission factor (g/Veh/km)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.3288	0.3288	0.3288	0.3288	0.3288	0.3288	0.3288	0.3288	0.3288	0.3288	0.3288	0.3288	0.0000	0.0000	0.0000	0.0000
Total composite emission factor (g/Veh/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.00	0.00	0.00	0.00

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

Pollutant Name: PM2.5

Speed	PC	LGV3	LGV4	PLB	LGV6	HGV7	HGV8	HGV8b	FBDD	MC	TAXI	PV4	PV5	NFB6	NFB7	NFB8	FBSD
km/hr	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL
10	0.010	0.042	0.046	0.062	0.088	0.148	0.303	0.118	0.302	0.017	0.000	0.050	0.087	0.151	0.141	0.479	0.295
17	0.007	0.034	0.037	0.045	0.069	0.089	0.207	0.084	0.229	0.013	0.000	0.039	0.066	0.113	0.095	0.342	0.227
18	0.007	0.033	0.036	0.043	0.067	0.085	0.199	0.081	0.222	0.012	0.000	0.038	0.063	0.109	0.091	0.329	0.221
27	0.005	0.025	0.029	0.032	0.055	0.060	0.150	0.063	0.173	0.009	0.000	0.029	0.045	0.078	0.069	0.255	0.177
28	0.005	0.025	0.028	0.031	0.055	0.058	0.146	0.062	0.169	0.009	0.000	0.028	0.044	0.076	0.067	0.249	0.173
29	0.004	0.024	0.027	0.030	0.054	0.057	0.143	0.060	0.166	0.008	0.000	0.027	0.042	0.073	0.066	0.243	0.170
30	0.004	0.024	0.026	0.030	0.053	0.055	0.140	0.059	0.162	0.008	0.000	0.026	0.041	0.071	0.064	0.238	0.167
31	0.004	0.023	0.026	0.029	0.052	0.054	0.137	0.058	0.159	0.008	0.000	0.026	0.039	0.069	0.063	0.233	0.164
32	0.004	0.023	0.025	0.028	0.052	0.053	0.134	0.057	0.156	0.007	0.000	0.025	0.038	0.067	0.062	0.229	0.161
33	0.004	0.022	0.025	0.028	0.051	0.052	0.131	0.056	0.153	0.007	0.000	0.024	0.037	0.065	0.061	0.224	0.158
34	0.004	0.021	0.024	0.027	0.050	0.050	0.128	0.054	0.150	0.007	0.000	0.024	0.036	0.063	0.059	0.220	0.155
35	0.004	0.021	0.024	0.027	0.050	0.049	0.126	0.054	0.147	0.007	0.000	0.023	0.035	0.061	0.058	0.216	0.153
36	0.003	0.021	0.023	0.026	0.049	0.048	0.123	0.053	0.144	0.007	0.000	0.022	0.034	0.060	0.057	0.212	0.151
37	0.003	0.020	0.023	0.026	0.049	0.047	0.121	0.052	0.142	0.006	0.000	0.022	0.033	0.059	0.056	0.209	0.148
38	0.003	0.020	0.022	0.025	0.048	0.047	0.119	0.051	0.140	0.006	0.000	0.021	0.033	0.057	0.055	0.205	0.146
39	0.003	0.019	0.022	0.025	0.048	0.046	0.117	0.050	0.137	0.006	0.000	0.021	0.032	0.056	0.055	0.202	0.144
40	0.003	0.019	0.021	0.025	0.047	0.045	0.115	0.049	0.135	0.006	0.000	0.020	0.031	0.055	0.054	0.198	0.142
41	0.003	0.018	0.021	0.024	0.047	0.044	0.113	0.048	0.133	0.006	0.000	0.020	0.031	0.054	0.053	0.195	0.140
42	0.003	0.018	0.020	0.024	0.046	0.044	0.112	0.048	0.132	0.006	0.000	0.020	0.030	0.053	0.052	0.192	0.138
43	0.003	0.018	0.020	0.024	0.046	0.043	0.110	0.047	0.130	0.006	0.000	0.019	0.030	0.052	0.051	0.190	0.137
44	0.003	0.017	0.020	0.023	0.046	0.042	0.108	0.046	0.128	0.005	0.000	0.019	0.029	0.052	0.051	0.187	0.135
45	0.003	0.017	0.019	0.023	0.045	0.042	0.107	0.046	0.126	0.005	0.000	0.018	0.029	0.051	0.050	0.184	0.134
50	0.002	0.016	0.018	0.022	0.044	0.039	0.100	0.043	0.120	0.005	0.000	0.017	0.028	0.049	0.047	0.172	0.127
51	0.002	0.015	0.017	0.022	0.044	0.039	0.099	0.043	0.119	0.005	0.000	0.016	0.027	0.048	0.047	0.172	0.127
52	0.002	0.015	0.017	0.022	0.044	0.038	0.099	0.043	0.119	0.005	0.000	0.016	0.027	0.048	0.046	0.172	0.127
53	0.002	0.015	0.017	0.022	0.044	0.038	0.099	0.043	0.119	0.005	0.000	0.016	0.027	0.048	0.046	0.172	0.127
54	0.002	0.015	0.016	0.022	0.044	0.037	0.098	0.043	0.119	0.005	0.000	0.016	0.027	0.048	0.045	0.172	0.127

EMFAC-HK Model (v 4.2) Key Assumptions:

Mode: EMFAC

Calendar Year: 2019

Temperature and relative humidity: 7 degree C (Minimum temperature measured at Tuen Mun Weather Station (Tuen Mun Children and Juvenile Home) in 2020)

Relative Humidity 19% (Minimum relative humidity measured at Tuen Mun Weather Station (Tuen Mun Children and Juvenile Home) in 2020)

Vehicle Population (external traffic): Default (i.e. considering HGV8 emission factors for all external roads and internal roads R1 to R7, R9 and R10)

Vehicle Population (internal traffic): All internal trucks (model year of 2019) are of Euro V standard (i.e. considering HGV8b emission factors for internal roads R11 to R15, R17, R19 to R22)

Vehicle Accrual: Default

Trips: Default (not used. No starting emissions as parking restrictions apply for all identified major roads within the Study Area)

VKT: Default (not used in EMFAC mode)

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

Average Speed

	Road Name	Ref.	Hour by Hour Speed (Km/hr)																							
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1	TM1_Lung Mun Road	1	52	53	53	53	53	53	51	35	28	27	35	41	42	44	41	41	34	29	31	40	40	50	51	52
2	TM2_Unnamed Road to River Trade Terminal	2	18	18	18	18	18	18	18	18	17	17	17	17	17	17	17	17	17	17	17	18	18	18	18	18
3	TM3_Lung Mun Road	3	52	53	53	53	53	53	51	37	35	35	35	44	44	43	41	41	34	29	31	41	44	50	51	52
4	TM5_Lung Mun Road	4	52	53	53	53	53	53	51	35	34	34	33	42	42	42	41	44	33	33	33	34	34	50	51	52
5	TM7_Siu Lang Shui Road	5	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39
6	TM8_Unnamed Road to Cemetery	6	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43
7	TM9_Siu Lang Shui Road	7	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
8	TM10_Lung Fat Street	8	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
9	TM11_Lung Mun Road	9	52	53	53	53	53	53	51	35	34	34	33	42	42	42	41	44	33	33	33	34	34	50	51	52
10	TM12_Unnamed Road to EcoPark	10	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
11	TM13_Lung Yiu Street	11	36	36	36	36	36	36	34	33	33	33	33	33	33	33	33	33	32	32	32	33	33	33	33	36
12	TM14_Lung Mun Road	12	52	53	53	53	53	53	51	35	34	34	33	42	42	42	41	44	33	33	33	34	34	50	51	52
13	TM15_Lung Yiu Street	13	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
14	TM16_Lung Hong Street	14	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44
15	R1_Internal Road	15	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
16	R2_Internal Road	16	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
17	R3_Internal Road	17	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
18	R4_Internal Road	18	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
19	R5_Internal Road	19	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
20	R6_Internal Road	20	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
21	R7_Internal Road	21	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
22	R9_Internal Road	22	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
23	R10_Internal Road	23	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
24	R11_Internal Road	24	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
25	R12_Internal Road	25	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
26	R13_Internal Road	26	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
27	R14_Internal Road	27	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
28	R15_Internal Road	28	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
29	R17_Internal Road	29	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
30	R19_Internal Road	30	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
31	R20_Internal Road	31	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
32	R21_Internal Road	32	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
33	R22_Internal Road	33	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
34	R25_Internal Road	34	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
35	R26_Internal Road	35	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
36	R27_Internal Road	36	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
37	R28_Internal Road	37	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: TM1_Lung Mun Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	16	11	8	5	6	12	32	113	163	176	247	240	209	200	228	223	220	218	236	209	160	51	32	19
2	LGV3	7	5	5	3	3	8	17	29	55	59	76	71	66	63	72	71	70	72	75	66	66	25	13	8
3	LGV4	4	2	2	3	2	7	11	17	36	38	62	58	54	52	59	58	58	59	60	54	54	17	11	6
4	PLB	5	3	2	2	2	2	3	6	10	10	12	11	10	10	11	11	11	11	12	10	8	8	7	6
5	LGV6	4	2	2	3	2	7	11	17	36	38	57	53	50	48	54	53	53	54	55	50	51	20	10	6
6	HGV7	0	0	0	0	0	0	4	20	286	364	274	254	231	225	261	262	268	251	214	16	12	4	0	0
7	HGV8	0	0	0	0	0	0	10	48	666	831	645	590	565	524	632	621	628	588	496	39	28	10	2	0
8	FBDD	2	1	1	0	0	0	2	2	4	4	11	11	9	9	11	11	11	11	11	9	8	7	6	6
9	MC	0	0	0	0	0	0	0	1	1	1	6	6	6	5	6	6	6	6	6	6	5	4	4	4
10	TAXI	9	5	6	4	5	7	15	64	88	96	100	103	92	87	99	97	96	99	102	92	76	34	15	5
11	PV4	1	0	0	0	0	0	0	1	1	1	5	5	4	4	5	5	4	5	5	4	4	4	3	2
12	PV5	1	0	0	0	0	0	0	1	1	1	5	5	4	4	5	5	4	5	5	4	4	4	3	2
13	NFB6	3	1	1	1	1	1	2	3	5	6	16	15	14	13	15	15	15	15	16	14	11	10	9	9
14	NFB7	3	1	1	1	1	1	2	3	5	6	16	15	14	13	15	15	15	15	16	14	11	10	9	9
15	NFB8	3	1	1	1	1	1	2	3	5	6	16	15	14	13	15	15	15	15	16	14	11	10	9	9
16	FBSD	3	1	1	1	1	1	2	3	5	6	13	12	11	11	13	12	12	13	13	11	9	8	8	7
	Total Flow (veh)	61	33	30	24	24	47	113	331	1367	1643	1561	1464	1353	1281	1501	1480	1486	1437	1338	612	518	226	141	98

PM2.5 emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	0.005	0.005	0.004	0.003	0.003	0.003	0.003	0.003	0.004	0.004	0.004	0.003	0.003	0.002	0.002	0.002
LGV3	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.021	0.025	0.025	0.021	0.018	0.018	0.017	0.018	0.018	0.021	0.024	0.023	0.019	0.019	0.016	0.015	0.015
LGV4	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.024	0.028	0.029	0.024	0.021	0.020	0.020	0.021	0.021	0.024	0.027	0.026	0.021	0.021	0.018	0.017	0.017
PLB	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.027	0.031	0.032	0.027	0.024	0.024	0.023	0.024	0.024	0.027	0.030	0.029	0.025	0.025	0.022	0.022	0.022
LGV6	0.044	0.044	0.044	0.044	0.044	0.044	0.044	0.050	0.055	0.055	0.050	0.047	0.046	0.046	0.047	0.047	0.050	0.054	0.052	0.047	0.047	0.044	0.044	0.044
HGV7	0.038	0.038	0.038	0.038	0.038	0.038	0.039	0.049	0.058	0.060	0.049	0.044	0.044	0.042	0.044	0.044	0.050	0.057	0.054	0.045	0.045	0.039	0.039	0.038
HGV8	0.099	0.099	0.099	0.099	0.099	0.099	0.099	0.126	0.146	0.150	0.126	0.113	0.112	0.108	0.113	0.113	0.128	0.143	0.137	0.115	0.115	0.100	0.099	0.099
FBDD	0.119	0.119	0.119	0.119	0.119	0.119	0.119	0.147	0.169	0.173	0.147	0.133	0.132	0.128	0.133	0.133	0.150	0.166	0.159	0.135	0.135	0.120	0.119	0.119
MC	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.007	0.009	0.009	0.007	0.006	0.006	0.005	0.006	0.006	0.007	0.008	0.008	0.006	0.006	0.005	0.005	0.005
TAXI	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
PV4	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.023	0.028	0.029	0.023	0.020	0.020	0.019	0.020	0.020	0.024	0.027	0.026	0.020	0.020	0.017	0.016	0.016
PV5	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.035	0.044	0.045	0.035	0.031	0.030	0.029	0.031	0.031	0.036	0.042	0.039	0.031	0.031	0.028	0.027	0.027
NFB6	0.048	0.048	0.048	0.048	0.048	0.048	0.048	0.061	0.076	0.078	0.061	0.054	0.053	0.052	0.054	0.054	0.063	0.073	0.069	0.055	0.055	0.049	0.048	0.048
NFB7	0.046	0.046	0.046	0.046	0.046	0.046	0.047	0.058	0.067	0.069	0.058	0.053	0.052	0.051	0.053	0.053	0.059	0.066	0.063	0.054	0.054	0.047	0.047	0.046
NFB8	0.172	0.172	0.172	0.172	0.172	0.172	0.172	0.216	0.249	0.255	0.216	0.195	0.192	0.187	0.195	0.195	0.220	0.243	0.233	0.198	0.198	0.172	0.172	0.172
FBSD	0.127	0.127	0.127	0.127	0.127	0.127	0.127	0.153	0.173	0.177	0.153	0.140	0.138	0.135	0.140	0.140	0.155	0.170	0.164	0.142	0.142	0.127	0.127	0.127

Total composite emission factor (g/Veh/km)	0.0320	0.0241	0.0255	0.0280	0.0256	0.0213	0.0287	0.0340	0.0900	0.0953	0.0711	0.0628	0.0633	0.0607	0.0648	0.0647	0.0737	0.0806	0.0723	0.0296	0.0293	0.0343	0.0392	0.0486
Total composite emission factor (g/Veh/mile)	0.05	0.04	0.04	0.05	0.04	0.03	0.05	0.05	0.15	0.15	0.11	0.10	0.10	0.10	0.10	0.10	0.12	0.13	0.12	0.05	0.05	0.06	0.06	0.08

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: TM2_Unnamed Road to River Trade Terminal
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	4	3	2	1	1	1	3	5	8	8	17	13	13	13	15	13	13	15	17	13	10	7	7	5
2	LGV3	3	1	1	1	1	1	1	3	5	5	5	5	4	4	5	5	5	5	5	4	4	3	3	3
3	LGV4	2	1	1	0	0	0	1	2	3	3	4	3	3	3	3	3	3	3	4	3	3	3	3	2
4	PLB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	2	1	1	0	0	0	1	2	3	3	4	3	3	3	3	3	3	3	4	3	3	3	3	2
6	HGV7	0	0	0	0	0	0	2	2	64	69	57	52	38	56	63	54	59	63	65	1	1	1	0	0
7	HGV8	0	0	0	0	0	0	6	16	396	406	333	306	277	265	314	311	324	314	331	2	2	1	0	0
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	2	1	1	1	1	1	1	2	4	5	5	3	3	3	5	3	3	5	5	3	1	1	1	1
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	13	7	6	3	3	3	15	32	483	499	425	385	341	347	408	392	410	408	431	29	24	19	17	13

PM2.5 emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007
LGV3	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.034	0.034	0.034	0.034	0.034	0.034	0.034	0.034	0.034	0.034	0.034	0.033	0.033	0.033	0.033	0.033
LGV4	0.036	0.036	0.036	0.036	0.036	0.036	0.036	0.036	0.037	0.037	0.037	0.037	0.037	0.037	0.037	0.037	0.037	0.037	0.037	0.036	0.036	0.036	0.036	0.036
PLB	0.043	0.043	0.043	0.043	0.043	0.043	0.043	0.043	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.043	0.043	0.043	0.043	0.043
LGV6	0.067	0.067	0.067	0.067	0.067	0.067	0.067	0.067	0.069	0.069	0.069	0.069	0.069	0.069	0.069	0.069	0.069	0.069	0.069	0.067	0.067	0.067	0.067	0.067
HGV7	0.085	0.085	0.085	0.085	0.085	0.085	0.085	0.085	0.089	0.089	0.089	0.089	0.089	0.089	0.089	0.089	0.089	0.089	0.089	0.085	0.085	0.085	0.085	0.085
HGV8	0.199	0.199	0.199	0.199	0.199	0.199	0.199	0.199	0.207	0.207	0.207	0.207	0.207	0.207	0.207	0.207	0.207	0.207	0.207	0.199	0.199	0.199	0.199	0.199
FBDD	0.222	0.222	0.222	0.222	0.222	0.222	0.222	0.222	0.229	0.229	0.229	0.229	0.229	0.229	0.229	0.229	0.229	0.229	0.229	0.222	0.222	0.222	0.222	0.222
MC	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.012	0.012	0.012	0.012	0.012
TAXI	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
PV4	0.038	0.038	0.038	0.038	0.038	0.038	0.038	0.038	0.039	0.039	0.039	0.039	0.039	0.039	0.039	0.039	0.039	0.039	0.039	0.038	0.038	0.038	0.038	0.038
PV5	0.063	0.063	0.063	0.063	0.063	0.063	0.063	0.063	0.066	0.066	0.066	0.066	0.066	0.066	0.066	0.066	0.066	0.066	0.066	0.063	0.063	0.063	0.063	0.063
NFB6	0.109	0.109	0.109	0.109	0.109	0.109	0.109	0.109	0.113	0.113	0.113	0.113	0.113	0.113	0.113	0.113	0.113	0.113	0.113	0.109	0.109	0.109	0.109	0.109
NFB7	0.091	0.091	0.091	0.091	0.091	0.091	0.091	0.091	0.095	0.095	0.095	0.095	0.095	0.095	0.095	0.095	0.095	0.095	0.095	0.091	0.091	0.091	0.091	0.091
NFB8	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.342	0.342	0.342	0.342	0.342	0.342	0.342	0.342	0.342	0.342	0.342	0.329	0.329	0.329	0.329	0.329
FBSD	0.221	0.221	0.221	0.221	0.221	0.221	0.221	0.221	0.227	0.227	0.227	0.227	0.227	0.227	0.227	0.227	0.227	0.227	0.227	0.221	0.221	0.221	0.221	0.221

Total composite emission factor (g/Veh/km)	0.0255	0.0224	0.0249	0.0132	0.0132	0.0132	0.1012	0.1152	0.1826	0.1817	0.1757	0.1780	0.1796	0.1740	0.1744	0.1779	0.1777	0.1744	0.1740	0.0349	0.0413	0.0389	0.0268	0.0261
Total composite emission factor (g/Veh/mile)	0.04	0.04	0.04	0.02	0.02	0.02	0.16	0.19	0.29	0.29	0.28	0.29	0.29	0.28	0.28	0.29	0.29	0.28	0.28	0.06	0.07	0.06	0.04	0.04

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: TM3_Lung Mun Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	12	8	6	4	5	11	29	108	155	168	230	227	196	187	213	210	207	203	219	196	150	44	25	14
2	LGV3	4	4	4	2	2	7	16	26	50	54	71	66	62	59	67	66	65	67	70	62	62	22	10	5
3	LGV4	2	1	1	3	2	7	10	15	33	35	58	55	51	49	56	55	55	56	56	51	51	14	8	4
4	PLB	5	3	2	2	2	2	3	6	10	10	12	11	10	10	11	11	11	11	12	10	8	8	7	6
5	LGV6	2	1	1	3	2	7	10	15	33	35	53	50	47	45	51	50	50	51	51	47	48	17	7	4
6	HGV7	0	0	0	0	0	0	2	18	222	295	217	202	193	169	198	208	209	188	149	15	11	3	0	0
7	HGV8	0	0	0	0	0	0	4	32	270	425	312	284	288	259	318	310	304	274	165	37	26	9	2	0
8	FBDD	2	1	1	0	0	0	2	2	4	4	11	11	9	9	11	11	11	11	11	9	8	7	6	6
9	MC	0	0	0	0	0	0	0	1	1	1	6	6	6	5	6	6	6	6	6	6	5	4	4	4
10	TAXI	7	4	5	3	4	6	14	62	84	91	95	100	89	84	94	94	93	94	97	89	75	33	14	4
11	PV4	1	0	0	0	0	0	0	1	1	1	5	5	4	4	5	5	4	5	5	4	4	4	3	2
12	PV5	1	0	0	0	0	0	0	1	1	1	5	5	4	4	5	5	4	5	5	4	4	4	3	2
13	NFB6	3	1	1	1	1	1	2	3	5	6	16	15	14	13	15	15	15	15	16	14	11	10	9	9
14	NFB7	3	1	1	1	1	1	2	3	5	6	16	15	14	13	15	15	15	15	16	14	11	10	9	9
15	NFB8	3	1	1	1	1	1	2	3	5	6	16	15	14	13	15	15	15	15	16	14	11	10	9	9
16	FBSD	3	1	1	1	1	1	2	3	5	6	13	12	11	11	13	12	12	13	13	11	9	8	8	7
	Total Flow (veh)	48	26	24	21	21	44	98	299	884	1144	1136	1079	1012	934	1093	1088	1076	1029	907	583	494	207	124	85

PM2.5 emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.003	0.004	0.004	0.004	0.003	0.003	0.003	0.003	0.003	0.004	0.004	0.004	0.003	0.003	0.002	0.002	0.002
LGV3	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.020	0.021	0.021	0.021	0.017	0.017	0.018	0.018	0.018	0.021	0.024	0.023	0.018	0.017	0.016	0.015	0.015
LGV4	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.023	0.024	0.024	0.024	0.020	0.020	0.020	0.021	0.021	0.024	0.027	0.026	0.021	0.020	0.018	0.017	0.017
PLB	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.026	0.027	0.027	0.027	0.023	0.023	0.024	0.024	0.024	0.027	0.030	0.029	0.024	0.023	0.022	0.022	0.022
LGV6	0.044	0.044	0.044	0.044	0.044	0.044	0.044	0.049	0.050	0.050	0.050	0.046	0.046	0.046	0.047	0.047	0.050	0.054	0.052	0.047	0.046	0.044	0.044	0.044
HGV7	0.038	0.038	0.038	0.038	0.038	0.038	0.039	0.047	0.049	0.049	0.049	0.042	0.042	0.043	0.044	0.044	0.050	0.057	0.054	0.044	0.042	0.039	0.039	0.038
HGV8	0.099	0.099	0.099	0.099	0.099	0.099	0.099	0.121	0.126	0.126	0.126	0.108	0.108	0.110	0.113	0.113	0.128	0.143	0.137	0.113	0.108	0.100	0.099	0.099
FBDD	0.119	0.119	0.119	0.119	0.119	0.119	0.119	0.142	0.147	0.147	0.147	0.128	0.128	0.130	0.133	0.133	0.150	0.166	0.159	0.133	0.128	0.120	0.119	0.119
MC	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.006	0.007	0.007	0.007	0.005	0.005	0.006	0.006	0.006	0.007	0.008	0.008	0.006	0.005	0.005	0.005	0.005
TAXI	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
PV4	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.022	0.023	0.023	0.023	0.019	0.019	0.019	0.020	0.020	0.024	0.027	0.026	0.020	0.019	0.017	0.016	0.016
PV5	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.033	0.035	0.035	0.035	0.029	0.029	0.030	0.031	0.031	0.036	0.042	0.039	0.031	0.029	0.028	0.027	0.027
NFB6	0.048	0.048	0.048	0.048	0.048	0.048	0.048	0.059	0.061	0.061	0.061	0.052	0.052	0.052	0.054	0.054	0.063	0.073	0.069	0.054	0.052	0.049	0.048	0.048
NFB7	0.046	0.046	0.046	0.046	0.046	0.046	0.047	0.056	0.058	0.058	0.058	0.051	0.051	0.051	0.053	0.053	0.059	0.066	0.063	0.053	0.051	0.047	0.047	0.046
NFB8	0.172	0.172	0.172	0.172	0.172	0.172	0.172	0.209	0.216	0.216	0.216	0.187	0.187	0.190	0.195	0.195	0.220	0.243	0.233	0.195	0.187	0.172	0.172	0.172
FBSD	0.127	0.127	0.127	0.127	0.127	0.127	0.127	0.148	0.153	0.153	0.153	0.135	0.135	0.137	0.140	0.140	0.155	0.170	0.164	0.140	0.135	0.127	0.127	0.127

Total composite emission factor (g/Veh/km)	0.0370	0.0274	0.0286	0.0312	0.0284	0.0224	0.0254	0.0287	0.0591	0.0665	0.0580	0.0484	0.0505	0.0506	0.0536	0.0532	0.0601	0.0652	0.0525	0.0296	0.0278	0.0355	0.0427	0.0539
Total composite emission factor (g/Veh/mile)	0.06	0.04	0.05	0.05	0.05	0.04	0.04	0.05	0.10	0.11	0.09	0.08	0.08	0.08	0.09	0.09	0.10	0.11	0.08	0.05	0.04	0.06	0.07	0.09

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: TM5_Lung Mun Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	10	7	5	4	5	11	28	106	152	165	219	217	187	179	203	200	197	193	209	187	142	38	19	9
2	LGV3	2	4	4	2	2	7	16	24	48	52	65	62	58	55	63	62	61	63	64	58	58	18	6	3
3	LGV4	1	1	1	3	2	7	10	14	32	34	54	52	48	46	53	52	52	53	52	48	48	11	5	2
4	PLB	5	3	2	2	2	2	3	6	10	10	12	11	10	10	11	11	11	11	12	10	8	8	7	6
5	LGV6	1	1	1	3	2	7	10	14	32	34	49	47	44	42	48	47	47	48	47	44	45	14	4	2
6	HGV7	0	0	0	0	0	0	2	17	202	251	177	164	157	137	158	170	167	150	137	14	11	3	0	0
7	HGV8	0	0	0	0	0	0	4	28	156	179	80	70	80	73	94	90	64	64	99	31	23	8	2	0
8	FBDD	2	1	1	0	0	0	2	2	4	4	11	11	9	9	11	11	11	11	11	9	8	7	6	6
9	MC	0	0	0	0	0	0	0	1	1	1	6	6	6	5	6	6	6	6	6	6	5	4	4	4
10	TAXI	5	4	5	3	4	6	14	60	82	89	88	94	84	79	88	88	87	88	90	84	70	29	10	1
11	PV4	1	0	0	0	0	0	0	1	1	1	5	5	4	4	5	5	4	5	5	4	4	4	3	2
12	PV5	1	0	0	0	0	0	0	1	1	1	5	5	4	4	5	5	4	5	5	4	4	4	3	2
13	NFB6	3	1	1	1	1	1	2	3	5	6	16	15	14	13	15	15	15	15	16	14	11	10	9	9
14	NFB7	3	1	1	1	1	1	2	3	5	6	16	15	14	13	15	15	15	15	16	14	11	10	9	9
15	NFB8	3	1	1	1	1	1	2	3	5	6	16	15	14	13	15	15	15	15	16	14	11	10	9	9
16	FBSD	3	1	1	1	1	1	2	3	5	6	13	12	11	11	13	12	12	13	13	11	9	8	8	7
	Total Flow (veh)	40	25	23	21	21	44	97	286	741	845	832	801	744	693	803	804	768	755	798	552	468	186	104	71

PM2.5 emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	0.004	0.004	0.004	0.003	0.003	0.003	0.003	0.003	0.004	0.004	0.004	0.004	0.004	0.002	0.002	0.002
LGV3	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.021	0.021	0.021	0.022	0.018	0.018	0.018	0.018	0.018	0.017	0.022	0.022	0.022	0.021	0.021	0.016	0.015	0.015
LGV4	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.024	0.024	0.024	0.025	0.020	0.020	0.020	0.021	0.020	0.025	0.025	0.025	0.024	0.024	0.018	0.017	0.017
PLB	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.027	0.027	0.027	0.028	0.024	0.024	0.024	0.024	0.023	0.028	0.028	0.028	0.027	0.027	0.022	0.022	0.022
LGV6	0.044	0.044	0.044	0.044	0.044	0.044	0.044	0.050	0.050	0.050	0.051	0.046	0.046	0.046	0.047	0.046	0.051	0.051	0.051	0.050	0.050	0.044	0.044	0.044
HGV7	0.038	0.038	0.038	0.038	0.038	0.038	0.039	0.049	0.050	0.050	0.052	0.044	0.044	0.044	0.044	0.042	0.052	0.052	0.052	0.050	0.050	0.039	0.039	0.038
HGV8	0.099	0.099	0.099	0.099	0.099	0.099	0.099	0.126	0.128	0.128	0.131	0.112	0.112	0.112	0.113	0.108	0.131	0.131	0.131	0.128	0.128	0.100	0.099	0.099
FBDD	0.119	0.119	0.119	0.119	0.119	0.119	0.119	0.147	0.150	0.150	0.153	0.132	0.132	0.132	0.133	0.128	0.153	0.153	0.153	0.150	0.150	0.120	0.119	0.119
MC	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.007	0.007	0.007	0.007	0.006	0.006	0.006	0.006	0.005	0.007	0.007	0.007	0.007	0.007	0.005	0.005	0.005
TAXI	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
PV4	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.023	0.024	0.024	0.024	0.020	0.020	0.020	0.020	0.019	0.024	0.024	0.024	0.024	0.024	0.017	0.016	0.016
PV5	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.035	0.036	0.036	0.037	0.030	0.030	0.030	0.031	0.029	0.037	0.037	0.037	0.036	0.036	0.028	0.027	0.027
NFB6	0.048	0.048	0.048	0.048	0.048	0.048	0.048	0.061	0.063	0.063	0.065	0.053	0.053	0.053	0.054	0.052	0.065	0.065	0.065	0.063	0.063	0.049	0.048	0.048
NFB7	0.046	0.046	0.046	0.046	0.046	0.046	0.047	0.058	0.059	0.059	0.061	0.052	0.052	0.052	0.053	0.051	0.061	0.061	0.061	0.059	0.059	0.047	0.047	0.046
NFB8	0.172	0.172	0.172	0.172	0.172	0.172	0.172	0.216	0.220	0.220	0.224	0.192	0.192	0.192	0.195	0.187	0.224	0.224	0.224	0.220	0.220	0.172	0.172	0.172
FBSD	0.127	0.127	0.127	0.127	0.127	0.127	0.127	0.153	0.155	0.155	0.158	0.138	0.138	0.138	0.140	0.135	0.158	0.158	0.158	0.155	0.155	0.127	0.127	0.127

Total composite emission factor (g/Veh/km)	0.0421	0.0284	0.0298	0.0312	0.0284	0.0224	0.0256	0.0288	0.0507	0.0518	0.0428	0.0350	0.0372	0.0368	0.0387	0.0368	0.0418	0.0418	0.0449	0.0333	0.0332	0.0376	0.0484	0.0623
Total composite emission factor (g/Veh/mile)	0.07	0.05	0.05	0.05	0.05	0.04	0.04	0.05	0.08	0.08	0.07	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.07	0.05	0.05	0.06	0.08	0.10

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: TM7_Siu Lang Shui Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	0	0	0	0	0	0	1	4	8	10	7	5	5	5	7	5	5	7	7	5	1	0	0	0
2	LGV3	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0
3	LGV4	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	PLB	0	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	HGV7	0	0	0	0	0	0	0	8	15	18	11	9	9	9	11	9	9	11	11	2	0	0	0	0
7	HGV8	0	0	0	0	0	0	0	6	13	14	8	7	7	7	8	7	7	8	8	4	2	0	0	0
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	0	0	0	0	0	0	1	3	6	8	4	2	2	2	4	2	2	4	4	2	0	0	0	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	0	0	0	0	0	0	2	21	47	55	31	24	24	24	31	24	24	31	31	14	3	0	0	0

PM2.5 emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
LGV3	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019
LGV4	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022
PLB	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025
LGV6	0.048	0.048	0.048	0.048	0.048	0.048	0.048	0.048	0.048	0.048	0.048	0.048	0.048	0.048	0.048	0.048	0.048	0.048	0.048	0.048	0.048	0.048	0.048	0.048	0.048
HGV7	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046
HGV8	0.117	0.117	0.117	0.117	0.117	0.117	0.117	0.117	0.117	0.117	0.117	0.117	0.117	0.117	0.117	0.117	0.117	0.117	0.117	0.117	0.117	0.117	0.117	0.117	0.117
FBDD	0.137	0.137	0.137	0.137	0.137	0.137	0.137	0.137	0.137	0.137	0.137	0.137	0.137	0.137	0.137	0.137	0.137	0.137	0.137	0.137	0.137	0.137	0.137	0.137	0.137
MC	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006
TAXI	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
PV4	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021
PV5	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032
NFB6	0.056	0.056	0.056	0.056	0.056	0.056	0.056	0.056	0.056	0.056	0.056	0.056	0.056	0.056	0.056	0.056	0.056	0.056	0.056	0.056	0.056	0.056	0.056	0.056	0.056
NFB7	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055
NFB8	0.202	0.202	0.202	0.202	0.202	0.202	0.202	0.202	0.202	0.202	0.202	0.202	0.202	0.202	0.202	0.202	0.202	0.202	0.202	0.202	0.202	0.202	0.202	0.202	0.202
FBSD	0.144	0.144	0.144	0.144	0.144	0.144	0.144	0.144	0.144	0.144	0.144	0.144	0.144	0.144	0.144	0.144	0.144	0.144	0.144	0.144	0.144	0.144	0.144	0.144	0.144

Total composite emission factor (g/Veh/km)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0015	0.0514	0.0504	0.0478	0.0477	0.0527	0.0527	0.0527	0.0477	0.0527	0.0527	0.0477	0.0477	0.0424	0.0790	0.0000	0.0000	0.0000
Total composite emission factor (g/Veh/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.07	0.13	0.00	0.00	0.00

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: TM8_Unnamed Road to Cemetery
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	0	0	0	0	0	0	0	0	2	3	2	1	1	1	2	0	1	1	2	1	0	1	0	0
2	LGV3	0	0	0	0	0	0	0	0	1	0	1	0	1	1	1	0	1	1	1	1	0	0	0	0
3	LGV4	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	PLB	0	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	HGV7	0	0	0	0	0	0	0	1	3	3	2	2	2	2	2	2	2	2	2	0	0	0	0	0
7	HGV8	0	0	0	0	0	0	0	1	2	2	0	1	0	0	0	1	0	0	0	0	0	0	0	0
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	1	0	0	1	0	0	0	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	0	0	0	0	0	0	0	2	11	12	5	5	4	5	5	4	5	4	5	3	0	1	0	0

PM2.5 emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
LGV3	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018
LGV4	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020
PLB	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024
LGV6	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046
HGV7	0.043	0.043	0.043	0.043	0.043	0.043	0.043	0.043	0.043	0.043	0.043	0.043	0.043	0.043	0.043	0.043	0.043	0.043	0.043	0.043	0.043	0.043	0.043	0.043
HGV8	0.110	0.110	0.110	0.110	0.110	0.110	0.110	0.110	0.110	0.110	0.110	0.110	0.110	0.110	0.110	0.110	0.110	0.110	0.110	0.110	0.110	0.110	0.110	0.110
FBDD	0.130	0.130	0.130	0.130	0.130	0.130	0.130	0.130	0.130	0.130	0.130	0.130	0.130	0.130	0.130	0.130	0.130	0.130	0.130	0.130	0.130	0.130	0.130	0.130
MC	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006
TAXI	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
PV4	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019
PV5	0.030	0.030	0.030	0.030	0.030	0.030	0.030	0.030	0.030	0.030	0.030	0.030	0.030	0.030	0.030	0.030	0.030	0.030	0.030	0.030	0.030	0.030	0.030	0.030
NFB6	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052
NFB7	0.051	0.051	0.051	0.051	0.051	0.051	0.051	0.051	0.051	0.051	0.051	0.051	0.051	0.051	0.051	0.051	0.051	0.051	0.051	0.051	0.051	0.051	0.051	0.051
NFB8	0.190	0.190	0.190	0.190	0.190	0.190	0.190	0.190	0.190	0.190	0.190	0.190	0.190	0.190	0.190	0.190	0.190	0.190	0.190	0.190	0.190	0.190	0.190	0.190
FBSD	0.137	0.137	0.137	0.137	0.137	0.137	0.137	0.137	0.137	0.137	0.137	0.137	0.137	0.137	0.137	0.137	0.137	0.137	0.137	0.137	0.137	0.137	0.137	0.137

Total composite emission factor (g/Veh/km)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0764	0.0398	0.0391	0.0218	0.0397	0.0266	0.0212	0.0218	0.0489	0.0212	0.0266	0.0218	0.0068	0.0000	0.0027	0.0000	0.0000
Total composite emission factor (g/Veh/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.06	0.06	0.04	0.06	0.04	0.03	0.04	0.08	0.03	0.04	0.04	0.01	0.00	0.00	0.00	0.00

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: TM9_Siu Lang Shui Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	0	0	0	0	0	0	1	4	10	13	9	6	6	6	9	5	6	8	9	6	1	1	0	0
2	LGV3	0	0	0	0	0	0	0	0	2	1	2	1	2	2	2	1	2	2	2	2	0	0	0	0
3	LGV4	0	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	PLB	0	0	0	0	0	0	0	0	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	HGV7	0	0	0	0	0	0	0	9	18	21	13	11	11	11	13	11	11	13	13	2	0	0	0	0
7	HGV8	0	0	0	0	0	0	0	7	15	16	8	8	7	7	8	8	5	8	8	4	2	0	0	0
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	0	0	0	0	0	0	1	3	6	8	4	3	2	3	4	3	3	4	4	3	0	0	0	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	0	0	0	0	0	0	2	23	58	67	36	29	28	29	36	28	27	35	36	17	3	1	0	0

PM2.5 emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
LGV3	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020
LGV4	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022
PLB	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025
LGV6	0.048	0.048	0.048	0.048	0.048	0.048	0.048	0.048	0.048	0.048	0.048	0.048	0.048	0.048	0.048	0.048	0.048	0.048	0.048	0.048	0.048	0.048	0.048	0.048
HGV7	0.047	0.047	0.047	0.047	0.047	0.047	0.047	0.047	0.047	0.047	0.047	0.047	0.047	0.047	0.047	0.047	0.047	0.047	0.047	0.047	0.047	0.047	0.047	0.047
HGV8	0.119	0.119	0.119	0.119	0.119	0.119	0.119	0.119	0.119	0.119	0.119	0.119	0.119	0.119	0.119	0.119	0.119	0.119	0.119	0.119	0.119	0.119	0.119	0.119
FBDD	0.140	0.140	0.140	0.140	0.140	0.140	0.140	0.140	0.140	0.140	0.140	0.140	0.140	0.140	0.140	0.140	0.140	0.140	0.140	0.140	0.140	0.140	0.140	0.140
MC	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006
TAXI	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
PV4	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021
PV5	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033
NFB6	0.057	0.057	0.057	0.057	0.057	0.057	0.057	0.057	0.057	0.057	0.057	0.057	0.057	0.057	0.057	0.057	0.057	0.057	0.057	0.057	0.057	0.057	0.057	0.057
NFB7	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055
NFB8	0.205	0.205	0.205	0.205	0.205	0.205	0.205	0.205	0.205	0.205	0.205	0.205	0.205	0.205	0.205	0.205	0.205	0.205	0.205	0.205	0.205	0.205	0.205	0.205
FBSD	0.146	0.146	0.146	0.146	0.146	0.146	0.146	0.146	0.146	0.146	0.146	0.146	0.146	0.146	0.146	0.146	0.146	0.146	0.146	0.146	0.146	0.146	0.146	0.146

Total composite emission factor (g/Veh/km)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0016	0.0550	0.0498	0.0475	0.0452	0.0518	0.0501	0.0484	0.0452	0.0536	0.0432	0.0464	0.0452	0.0369	0.0804	0.0031	0.0000	0.0000
Total composite emission factor (g/Veh/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.08	0.08	0.07	0.08	0.08	0.08	0.07	0.09	0.07	0.07	0.07	0.06	0.13	0.01	0.00	0.00

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: TM10_Lung Fat Street
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	0	0	0	0	0	0	1	4	10	13	9	6	6	6	9	5	6	8	9	6	1	1	0	0
2	LGV3	0	0	0	0	0	0	0	0	2	1	2	1	2	2	2	1	2	2	2	2	0	0	0	0
3	LGV4	0	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	PLB	0	0	0	0	0	0	0	0	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	HGV7	0	0	0	0	0	0	0	9	18	21	13	11	11	11	13	11	11	13	13	2	0	0	0	0
7	HGV8	0	0	0	0	0	0	0	7	15	16	8	8	7	7	8	8	5	8	8	4	2	0	0	0
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	0	0	0	0	0	0	1	3	6	8	4	3	2	3	4	3	3	4	4	3	0	0	0	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	0	0	0	0	0	0	2	23	58	67	36	29	28	29	36	28	27	35	36	17	3	1	0	0

PM2.5 emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
LGV3	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020
LGV4	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022
PLB	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025
LGV6	0.048	0.048	0.048	0.048	0.048	0.048	0.048	0.048	0.048	0.048	0.048	0.048	0.048	0.048	0.048	0.048	0.048	0.048	0.048	0.048	0.048	0.048	0.048	0.048
HGV7	0.047	0.047	0.047	0.047	0.047	0.047	0.047	0.047	0.047	0.047	0.047	0.047	0.047	0.047	0.047	0.047	0.047	0.047	0.047	0.047	0.047	0.047	0.047	0.047
HGV8	0.119	0.119	0.119	0.119	0.119	0.119	0.119	0.119	0.119	0.119	0.119	0.119	0.119	0.119	0.119	0.119	0.119	0.119	0.119	0.119	0.119	0.119	0.119	0.119
FBDD	0.140	0.140	0.140	0.140	0.140	0.140	0.140	0.140	0.140	0.140	0.140	0.140	0.140	0.140	0.140	0.140	0.140	0.140	0.140	0.140	0.140	0.140	0.140	0.140
MC	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006
TAXI	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
PV4	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021
PV5	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033
NFB6	0.057	0.057	0.057	0.057	0.057	0.057	0.057	0.057	0.057	0.057	0.057	0.057	0.057	0.057	0.057	0.057	0.057	0.057	0.057	0.057	0.057	0.057	0.057	0.057
NFB7	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055
NFB8	0.205	0.205	0.205	0.205	0.205	0.205	0.205	0.205	0.205	0.205	0.205	0.205	0.205	0.205	0.205	0.205	0.205	0.205	0.205	0.205	0.205	0.205	0.205	0.205
FBSD	0.146	0.146	0.146	0.146	0.146	0.146	0.146	0.146	0.146	0.146	0.146	0.146	0.146	0.146	0.146	0.146	0.146	0.146	0.146	0.146	0.146	0.146	0.146	0.146

Total composite emission factor (g/Veh/km)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0016	0.0550	0.0498	0.0475	0.0452	0.0518	0.0501	0.0484	0.0452	0.0536	0.0432	0.0464	0.0452	0.0369	0.0804	0.0031	0.0000	0.0000
Total composite emission factor (g/Veh/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.08	0.08	0.07	0.08	0.08	0.08	0.07	0.09	0.07	0.07	0.07	0.06	0.13	0.01	0.00	0.00

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: TM11_Lung Mun Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	6	4	3	1	2	8	23	93	128	137	193	196	166	159	178	180	176	169	184	166	129	27	11	7
2	LGV3	2	4	4	2	2	6	13	19	38	43	56	54	50	47	54	54	52	54	55	50	53	18	6	3
3	LGV4	1	1	1	3	2	6	9	10	24	26	48	46	43	41	47	46	47	47	46	43	43	11	5	2
4	PLB	5	3	2	2	2	2	3	6	6	6	12	11	10	10	11	11	11	11	12	10	8	8	7	6
5	LGV6	1	1	1	3	2	6	9	10	25	26	43	41	39	37	42	41	42	42	41	39	40	14	4	2
6	HGV7	0	0	0	0	0	0	2	6	177	222	159	149	142	122	140	155	152	132	119	10	10	3	0	0
7	HGV8	0	0	0	0	0	0	4	15	103	121	47	38	50	45	62	58	40	32	67	12	11	7	2	0
8	FBDD	2	1	1	0	0	0	2	2	4	4	11	11	9	9	11	11	11	11	11	9	8	7	6	6
9	MC	0	0	0	0	0	0	0	1	1	1	6	6	6	5	6	6	6	6	6	6	5	4	4	4
10	TAXI	4	3	3	2	3	5	12	52	67	72	74	81	73	67	74	75	74	74	76	72	63	23	5	1
11	PV4	1	0	0	0	0	0	0	1	1	1	5	5	4	4	5	5	4	5	5	4	4	4	3	2
12	PV5	1	0	0	0	0	0	0	1	1	1	5	5	4	4	5	5	4	5	5	4	4	4	3	2
13	NFB6	3	1	1	1	1	1	2	3	5	6	16	15	14	13	15	15	15	15	16	14	11	10	9	9
14	NFB7	3	1	1	1	1	1	2	3	5	6	16	15	14	13	15	15	15	15	16	14	11	10	9	9
15	NFB8	3	1	1	1	1	1	2	3	5	6	16	15	14	13	15	15	15	15	16	14	11	10	9	9
16	FBSD	3	1	1	1	1	1	2	3	5	6	13	12	11	11	13	12	12	13	13	11	9	8	8	7
	Total Flow (veh)	35	21	19	17	17	37	85	228	595	684	720	700	649	600	693	704	676	646	688	478	420	168	91	69

PM2.5 emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	0.004	0.004	0.004	0.003	0.003	0.003	0.003	0.003	0.004	0.004	0.004	0.004	0.004	0.002	0.002	0.002
LGV3	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.021	0.021	0.021	0.022	0.018	0.018	0.018	0.018	0.017	0.022	0.022	0.022	0.021	0.021	0.016	0.015	0.015
LGV4	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.024	0.024	0.024	0.025	0.020	0.020	0.020	0.021	0.020	0.025	0.025	0.025	0.024	0.024	0.018	0.017	0.017
PLB	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.027	0.027	0.027	0.028	0.024	0.024	0.024	0.024	0.023	0.028	0.028	0.028	0.027	0.027	0.022	0.022	0.022
LGV6	0.044	0.044	0.044	0.044	0.044	0.044	0.044	0.050	0.050	0.050	0.051	0.046	0.046	0.046	0.047	0.046	0.051	0.051	0.051	0.050	0.050	0.044	0.044	0.044
HGV7	0.038	0.038	0.038	0.038	0.038	0.038	0.039	0.049	0.050	0.050	0.052	0.044	0.044	0.044	0.044	0.042	0.052	0.052	0.052	0.050	0.050	0.039	0.039	0.038
HGV8	0.099	0.099	0.099	0.099	0.099	0.099	0.099	0.126	0.128	0.128	0.131	0.112	0.112	0.112	0.113	0.108	0.131	0.131	0.131	0.128	0.128	0.100	0.099	0.099
FBDD	0.119	0.119	0.119	0.119	0.119	0.119	0.119	0.147	0.150	0.150	0.153	0.132	0.132	0.132	0.133	0.128	0.153	0.153	0.153	0.150	0.150	0.120	0.119	0.119
MC	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.007	0.007	0.007	0.007	0.006	0.006	0.006	0.006	0.005	0.007	0.007	0.007	0.007	0.007	0.005	0.005	0.005
TAXI	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
PV4	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.023	0.024	0.024	0.024	0.020	0.020	0.020	0.020	0.019	0.024	0.024	0.024	0.024	0.024	0.017	0.016	0.016
PV5	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.035	0.036	0.036	0.037	0.030	0.030	0.030	0.031	0.029	0.037	0.037	0.037	0.036	0.036	0.028	0.027	0.027
NFB6	0.048	0.048	0.048	0.048	0.048	0.048	0.048	0.061	0.063	0.063	0.065	0.053	0.053	0.053	0.054	0.052	0.065	0.065	0.065	0.063	0.063	0.049	0.048	0.048
NFB7	0.046	0.046	0.046	0.046	0.046	0.046	0.047	0.058	0.059	0.059	0.061	0.052	0.052	0.052	0.053	0.051	0.061	0.061	0.061	0.059	0.059	0.047	0.047	0.046
NFB8	0.172	0.172	0.172	0.172	0.172	0.172	0.172	0.216	0.220	0.220	0.224	0.192	0.192	0.192	0.195	0.187	0.224	0.224	0.224	0.220	0.220	0.172	0.172	0.172
FBSD	0.127	0.127	0.127	0.127	0.127	0.127	0.127	0.153	0.155	0.155	0.158	0.138	0.138	0.138	0.140	0.135	0.158	0.158	0.158	0.155	0.155	0.127	0.127	0.127

Total composite emission factor (g/Veh/km)	0.0478	0.0335	0.0358	0.0381	0.0347	0.0244	0.0278	0.0247	0.0480	0.0495	0.0412	0.0331	0.0357	0.0353	0.0376	0.0353	0.0408	0.0398	0.0436	0.0316	0.0319	0.0409	0.0551	0.0640
Total composite emission factor (g/Veh/mile)	0.08	0.05	0.06	0.06	0.06	0.04	0.04	0.04	0.08	0.08	0.07	0.05	0.06	0.06	0.06	0.06	0.07	0.06	0.07	0.05	0.05	0.07	0.09	0.10

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: TM12_Unnamed Road to EcoPark
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	4	3	2	3	3	3	4	9	14	15	17	15	15	14	16	15	15	16	16	15	12	10	8	2
2	LGV3	0	0	0	0	0	1	3	5	8	8	7	7	6	6	7	7	7	7	7	6	5	0	0	0
3	LGV4	0	0	0	0	0	1	1	4	6	6	6	6	5	5	6	6	5	6	6	5	5	0	0	0
4	PLB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	1	1	4	6	6	6	6	5	5	6	6	5	6	6	5	5	0	0	0
6	HGV7	0	0	0	0	0	0	0	2	7	8	5	4	4	4	5	4	4	5	5	2	1	0	0	0
7	HGV8	0	0	0	0	0	0	0	6	38	42	25	24	23	21	24	24	19	24	24	15	10	1	0	0
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	1	1	2	1	1	1	1	5	9	9	10	10	9	9	10	10	10	10	10	9	7	6	5	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	5	4	4	4	4	7	10	35	88	94	76	72	67	64	74	72	65	74	74	57	45	17	13	2

PM2.5 emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
LGV3	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023
LGV4	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026
PLB	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029
LGV6	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052
HGV7	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054
HGV8	0.137	0.137	0.137	0.137	0.137	0.137	0.137	0.137	0.137	0.137	0.137	0.137	0.137	0.137	0.137	0.137	0.137	0.137	0.137	0.137	0.137	0.137	0.137	0.137
FBDD	0.159	0.159	0.159	0.159	0.159	0.159	0.159	0.159	0.159	0.159	0.159	0.159	0.159	0.159	0.159	0.159	0.159	0.159	0.159	0.159	0.159	0.159	0.159	0.159
MC	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008
TAXI	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
PV4	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026
PV5	0.039	0.039	0.039	0.039	0.039	0.039	0.039	0.039	0.039	0.039	0.039	0.039	0.039	0.039	0.039	0.039	0.039	0.039	0.039	0.039	0.039	0.039	0.039	0.039
NFB6	0.069	0.069	0.069	0.069	0.069	0.069	0.069	0.069	0.069	0.069	0.069	0.069	0.069	0.069	0.069	0.069	0.069	0.069	0.069	0.069	0.069	0.069	0.069	0.069
NFB7	0.063	0.063	0.063	0.063	0.063	0.063	0.063	0.063	0.063	0.063	0.063	0.063	0.063	0.063	0.063	0.063	0.063	0.063	0.063	0.063	0.063	0.063	0.063	0.063
NFB8	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233
FBSD	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164

Total composite emission factor (g/Veh/km)	0.0032	0.0030	0.0020	0.0030	0.0030	0.0161	0.0163	0.0397	0.0713	0.0732	0.0576	0.0581	0.0589	0.0573	0.0573	0.0581	0.0526	0.0573	0.0573	0.0481	0.0438	0.0104	0.0025	0.0040
Total composite emission factor (g/Veh/mile)	0.01	0.00	0.00	0.00	0.00	0.03	0.03	0.06	0.11	0.12	0.09	0.09	0.09	0.09	0.09	0.09	0.08	0.09	0.09	0.08	0.07	0.02	0.00	0.01

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: TM13_Lung Yiu Street
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	4	2	1	1	0	3	10	20	32	34	26	23	22	22	24	23	23	24	24	22	13	4	6	1
2	LGV3	1	1	0	1	0	1	5	12	18	19	12	11	10	9	11	11	11	11	12	10	3	3	2	0
3	LGV4	0	0	0	0	0	0	4	6	14	15	10	9	8	7	9	9	9	9	10	8	5	2	1	2
4	PLB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	4	6	14	15	9	8	7	6	8	8	8	8	9	7	3	2	1	1
6	HGV7	0	0	0	0	0	0	1	4	28	32	21	17	19	18	21	20	20	20	19	3	3	1	0	0
7	HGV8	0	0	0	0	0	0	2	4	38	42	21	17	19	18	21	20	20	20	19	3	3	1	0	0
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	1	0
10	TAXI	2	1	1	0	0	0	5	12	19	21	12	11	10	10	11	11	11	11	12	10	4	3	2	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	2	2	2	2	2	2	2	2	2	2	2	2	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	2	2	2	2	2	2	2	2	2	2	2	2	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	2	2	2	2	2	2	2	2	2	2	2	2	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Flow (veh)		7	4	2	2	0	4	31	70	169	184	118	103	102	97	112	109	109	110	112	64	35	16	13	4

PM2.5 emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.003	0.003	0.003	0.003	0.003	0.003	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.003
LGV3	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.023	0.023	0.023	0.022	0.022	0.022	0.021
LGV4	0.023	0.023	0.023	0.023	0.023	0.023	0.024	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.023
PLB	0.026	0.026	0.026	0.026	0.026	0.026	0.027	0.028	0.028	0.028	0.028	0.028	0.028	0.028	0.028	0.028	0.028	0.028	0.028	0.028	0.028	0.028	0.028	0.026
LGV6	0.049	0.049	0.049	0.049	0.049	0.049	0.050	0.051	0.051	0.051	0.051	0.051	0.051	0.051	0.051	0.051	0.051	0.052	0.052	0.052	0.051	0.051	0.051	0.049
HGV7	0.048	0.048	0.048	0.048	0.048	0.048	0.050	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.053	0.053	0.053	0.052	0.052	0.052	0.048
HGV8	0.123	0.123	0.123	0.123	0.123	0.123	0.128	0.131	0.131	0.131	0.131	0.131	0.131	0.131	0.131	0.131	0.131	0.134	0.134	0.134	0.131	0.131	0.131	0.123
FBDD	0.144	0.144	0.144	0.144	0.144	0.144	0.150	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.156	0.156	0.156	0.153	0.153	0.153	0.144
MC	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007
TAXI	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
PV4	0.022	0.022	0.022	0.022	0.022	0.022	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.025	0.025	0.025	0.024	0.024	0.024	0.022
PV5	0.034	0.034	0.034	0.034	0.034	0.034	0.036	0.037	0.037	0.037	0.037	0.037	0.037	0.037	0.037	0.037	0.037	0.038	0.038	0.038	0.037	0.037	0.037	0.034
NFB6	0.060	0.060	0.060	0.060	0.060	0.060	0.063	0.065	0.065	0.065	0.065	0.065	0.065	0.065	0.065	0.065	0.065	0.067	0.067	0.067	0.065	0.065	0.065	0.060
NFB7	0.057	0.057	0.057	0.057	0.057	0.057	0.059	0.061	0.061	0.061	0.061	0.061	0.061	0.061	0.061	0.061	0.061	0.062	0.062	0.062	0.061	0.061	0.061	0.057
NFB8	0.212	0.212	0.212	0.212	0.212	0.212	0.220	0.224	0.224	0.224	0.224	0.224	0.224	0.224	0.224	0.224	0.224	0.229	0.229	0.229	0.224	0.224	0.224	0.212
FBSD	0.151	0.151	0.151	0.151	0.151	0.151	0.155	0.158	0.158	0.158	0.158	0.158	0.158	0.158	0.158	0.158	0.158	0.161	0.161	0.161	0.158	0.158	0.158	0.151

Total composite emission factor (g/Veh/km)	0.0049	0.0068	0.0017	0.0120	0.0000	0.0077	0.0241	0.0317	0.0514	0.0517	0.0474	0.0462	0.0492	0.0489	0.0490	0.0487	0.0498	0.0493	0.0477	0.0220	0.0270	0.0259	0.0114	0.0246
Total composite emission factor (g/Veh/mile)	0.01	0.01	0.00	0.02	0.00	0.01	0.04	0.05	0.08	0.08	0.08	0.07	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.04	0.04	0.04	0.02	0.04

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: TM14_Lung Mun Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	2	2	2	0	2	5	13	73	96	103	167	173	144	137	154	157	153	145	160	144	116	23	5	6
2	LGV3	1	3	4	1	2	5	8	7	20	24	44	43	40	38	43	43	41	43	43	40	50	15	4	3
3	LGV4	1	1	1	3	2	6	5	4	10	11	38	37	35	34	38	37	38	38	36	35	38	9	4	0
4	PLB	5	3	2	2	2	2	3	6	6	6	12	11	10	10	11	11	11	11	12	10	8	8	7	6
5	LGV6	1	1	1	3	2	6	5	4	11	11	34	33	32	31	34	33	34	34	32	32	37	12	3	1
6	HGV7	0	0	0	0	0	0	1	2	149	190	138	132	123	104	119	135	132	112	100	7	7	2	0	0
7	HGV8	0	0	0	0	0	0	2	11	65	79	26	21	31	27	41	38	20	12	48	9	8	6	2	0
8	FBDD	2	1	1	0	0	0	2	2	4	4	11	11	9	9	11	11	11	11	11	9	8	7	6	6
9	MC	0	0	0	0	0	0	0	1	1	1	5	5	5	4	5	5	5	5	5	5	4	4	3	4
10	TAXI	2	2	2	2	3	5	7	40	48	51	62	70	63	57	63	64	63	63	64	62	59	20	3	1
11	PV4	1	0	0	0	0	0	0	1	1	1	5	5	4	4	5	5	4	5	5	4	4	4	3	2
12	PV5	1	0	0	0	0	0	0	1	1	1	5	5	4	4	5	5	4	5	5	4	4	4	3	2
13	NFB6	3	1	1	1	1	1	2	1	3	4	14	13	12	11	13	13	13	13	14	14	11	10	9	9
14	NFB7	3	1	1	1	1	1	2	1	3	4	14	13	12	11	13	13	13	13	14	14	11	10	9	9
15	NFB8	3	1	1	1	1	1	2	1	3	4	14	13	12	11	13	13	13	13	14	14	11	10	9	9
16	FBSD	3	1	1	1	1	1	2	3	5	6	13	12	11	11	13	12	12	13	13	11	9	8	8	7
	Total Flow (veh)	28	17	17	15	17	33	54	158	426	500	602	597	547	503	581	595	567	536	576	414	385	152	78	65

PM2.5 emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	0.004	0.004	0.004	0.003	0.003	0.003	0.003	0.003	0.004	0.004	0.004	0.004	0.004	0.002	0.002	0.002
LGV3	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.021	0.021	0.021	0.022	0.018	0.018	0.018	0.018	0.017	0.022	0.022	0.022	0.021	0.021	0.016	0.015	0.015
LGV4	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.024	0.024	0.024	0.025	0.020	0.020	0.020	0.021	0.020	0.025	0.025	0.025	0.024	0.024	0.018	0.017	0.017
PLB	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.027	0.027	0.027	0.028	0.024	0.024	0.024	0.024	0.023	0.028	0.028	0.028	0.027	0.027	0.022	0.022	0.022
LGV6	0.044	0.044	0.044	0.044	0.044	0.044	0.044	0.050	0.050	0.050	0.051	0.046	0.046	0.046	0.047	0.046	0.051	0.051	0.051	0.050	0.050	0.044	0.044	0.044
HGV7	0.038	0.038	0.038	0.038	0.038	0.038	0.039	0.049	0.050	0.050	0.052	0.044	0.044	0.044	0.044	0.042	0.052	0.052	0.052	0.050	0.050	0.039	0.039	0.038
HGV8	0.099	0.099	0.099	0.099	0.099	0.099	0.099	0.126	0.128	0.128	0.131	0.112	0.112	0.112	0.113	0.108	0.131	0.131	0.131	0.128	0.128	0.100	0.099	0.099
FBDD	0.119	0.119	0.119	0.119	0.119	0.119	0.119	0.147	0.150	0.150	0.153	0.132	0.132	0.132	0.133	0.128	0.153	0.153	0.153	0.150	0.150	0.120	0.119	0.119
MC	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.007	0.007	0.007	0.007	0.006	0.006	0.006	0.006	0.005	0.007	0.007	0.007	0.007	0.007	0.005	0.005	0.005
TAXI	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
PV4	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.023	0.024	0.024	0.024	0.020	0.020	0.020	0.020	0.019	0.024	0.024	0.024	0.024	0.024	0.017	0.016	0.016
PV5	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.035	0.036	0.036	0.037	0.030	0.030	0.030	0.031	0.029	0.037	0.037	0.037	0.036	0.036	0.028	0.027	0.027
NFB6	0.048	0.048	0.048	0.048	0.048	0.048	0.048	0.061	0.063	0.063	0.065	0.053	0.053	0.053	0.054	0.052	0.065	0.065	0.065	0.063	0.063	0.049	0.048	0.048
NFB7	0.046	0.046	0.046	0.046	0.046	0.046	0.047	0.058	0.059	0.059	0.061	0.052	0.052	0.052	0.053	0.051	0.061	0.061	0.061	0.059	0.059	0.047	0.047	0.046
NFB8	0.172	0.172	0.172	0.172	0.172	0.172	0.172	0.216	0.220	0.220	0.224	0.192	0.192	0.192	0.195	0.187	0.224	0.224	0.224	0.220	0.220	0.172	0.172	0.172
FBSD	0.127	0.127	0.127	0.127	0.127	0.127	0.127	0.153	0.155	0.155	0.158	0.138	0.138	0.138	0.140	0.135	0.158	0.158	0.158	0.155	0.155	0.127	0.127	0.127

Total composite emission factor (g/Veh/km)	0.0589	0.0403	0.0399	0.0421	0.0347	0.0267	0.0331	0.0221	0.0470	0.0491	0.0399	0.0321	0.0345	0.0341	0.0366	0.0344	0.0392	0.0381	0.0430	0.0332	0.0324	0.0431	0.0629	0.0667
Total composite emission factor (g/Veh/mile)	0.10	0.07	0.06	0.07	0.06	0.04	0.05	0.04	0.08	0.08	0.06	0.05	0.06	0.06	0.06	0.06	0.06	0.06	0.07	0.05	0.05	0.07	0.10	0.11

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: TM15_Lung Yiu Street
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	3	1	1	1	0	2	7	14	22	23	11	9	9	9	9	9	9	9	9	9	5	1	4	1
2	LGV3	1	1	0	1	0	1	3	9	13	13	4	4	4	3	3	4	4	3	4	4	0	1	2	0
3	LGV4	0	0	0	0	0	0	2	2	9	10	3	4	3	2	3	4	4	3	4	3	1	1	1	2
4	PLB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	2	2	9	10	2	3	2	1	2	3	3	2	3	2	0	1	1	1
6	HGV7	0	0	0	0	0	0	1	2	18	21	16	12	15	14	17	15	15	16	14	1	2	0	0	0
7	HGV8	0	0	0	0	0	0	1	2	24	27	16	12	15	14	17	15	15	16	14	1	2	0	0	0
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	1	0
10	TAXI	1	0	1	0	0	0	3	9	13	15	2	2	1	2	1	2	2	1	2	1	1	1	1	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	2	2	2	1	1	1	1	1	1	1	1	1	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	2	2	2	1	1	1	1	1	1	1	1	1	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	2	2	2	1	1	1	1	1	1	1	1	1	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	5	2	2	2	0	3	19	46	114	125	58	50	53	49	56	56	56	54	54	22	12	5	10	4

PM2.5 emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
LGV3	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017
LGV4	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019
PLB	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023
LGV6	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045
HGV7	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042
HGV8	0.107	0.107	0.107	0.107	0.107	0.107	0.107	0.107	0.107	0.107	0.107	0.107	0.107	0.107	0.107	0.107	0.107	0.107	0.107	0.107	0.107	0.107	0.107	0.107	0.107
FBDD	0.126	0.126	0.126	0.126	0.126	0.126	0.126	0.126	0.126	0.126	0.126	0.126	0.126	0.126	0.126	0.126	0.126	0.126	0.126	0.126	0.126	0.126	0.126	0.126	0.126
MC	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
TAXI	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
PV4	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018
PV5	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029
NFB6	0.051	0.051	0.051	0.051	0.051	0.051	0.051	0.051	0.051	0.051	0.051	0.051	0.051	0.051	0.051	0.051	0.051	0.051	0.051	0.051	0.051	0.051	0.051	0.051	0.051
NFB7	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050
NFB8	0.184	0.184	0.184	0.184	0.184	0.184	0.184	0.184	0.184	0.184	0.184	0.184	0.184	0.184	0.184	0.184	0.184	0.184	0.184	0.184	0.184	0.184	0.184	0.184	0.184
FBSD	0.134	0.134	0.134	0.134	0.134	0.134	0.134	0.134	0.134	0.134	0.134	0.134	0.134	0.134	0.134	0.134	0.134	0.134	0.134	0.134	0.134	0.134	0.134	0.134	0.134

Total composite emission factor (g/Veh/km)	0.0050	0.0098	0.0013	0.0098	0.0000	0.0074	0.0182	0.0258	0.0415	0.0420	0.0501	0.0475	0.0519	0.0515	0.0542	0.0503	0.0503	0.0534	0.0494	0.0179	0.0278	0.0168	0.0114	0.0216
Total composite emission factor (g/Veh/mile)	0.01	0.02	0.00	0.02	0.00	0.01	0.03	0.04	0.07	0.07	0.08	0.08	0.08	0.08	0.09	0.08	0.08	0.09	0.08	0.03	0.04	0.03	0.02	0.03

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: TM16_Lung Hong Street
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	1	1	0	0	0	1	3	6	10	11	15	14	13	13	15	14	14	15	15	13	8	3	2	0
2	LGV3	0	0	0	0	0	0	2	3	5	6	8	7	6	6	8	7	7	8	8	6	3	2	0	0
3	LGV4	0	0	0	0	0	0	2	4	5	5	7	5	5	5	6	5	5	6	6	5	4	1	0	0
4	PLB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	2	4	5	5	7	5	5	5	6	5	5	6	6	5	3	1	0	0
6	HGV7	0	0	0	0	0	0	0	2	10	11	5	5	4	4	4	5	5	4	5	2	1	1	0	0
7	HGV8	0	0	0	0	0	0	1	2	14	15	5	5	4	4	4	5	5	4	5	2	1	1	0	0
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	1	1	0	0	0	0	2	3	6	6	10	9	9	8	10	9	9	10	10	9	3	2	1	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	2	2	0	0	0	1	12	24	55	59	60	53	49	48	56	53	53	56	58	42	23	11	3	0

PM2.5 emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
LGV3	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017
LGV4	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020
PLB	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023
LGV6	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046
HGV7	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042
HGV8	0.108	0.108	0.108	0.108	0.108	0.108	0.108	0.108	0.108	0.108	0.108	0.108	0.108	0.108	0.108	0.108	0.108	0.108	0.108	0.108	0.108	0.108	0.108	0.108
FBDD	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128
MC	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
TAXI	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
PV4	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019
PV5	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029
NFB6	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052
NFB7	0.051	0.051	0.051	0.051	0.051	0.051	0.051	0.051	0.051	0.051	0.051	0.051	0.051	0.051	0.051	0.051	0.051	0.051	0.051	0.051	0.051	0.051	0.051	0.051
NFB8	0.187	0.187	0.187	0.187	0.187	0.187	0.187	0.187	0.187	0.187	0.187	0.187	0.187	0.187	0.187	0.187	0.187	0.187	0.187	0.187	0.187	0.187	0.187	0.187
FBSD	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135

Total composite emission factor (g/Veh/km)	0.0013	0.0013	0.0000	0.0000	0.0000	0.0026	0.0234	0.0262	0.0432	0.0431	0.0279	0.0288	0.0276	0.0282	0.0261	0.0288	0.0288	0.0261	0.0277	0.0182	0.0190	0.0234	0.0017	0.0000
Total composite emission factor (g/Veh/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.04	0.07	0.07	0.05	0.05	0.04	0.05	0.04	0.05	0.05	0.04	0.04	0.03	0.03	0.04	0.00	0.00

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: R1_Internal Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	LGV3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	LGV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	PLB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	HGV7	0	0	0	0	0	0	0	0	21	44	40	38	36	32	40	38	42	38	13	0	0	0	0	0
7	HGV8	0	0	0	0	0	0	0	0	118	246	232	214	208	186	224	220	240	210	76	0	0	0	0	0
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	0	0	0	0	0	0	0	0	139	290	272	252	244	218	264	258	282	248	89	0	0	0	0	0

PM2.5 emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010
LGV3	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042
LGV4	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046
PLB	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062
LGV6	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088
HGV7	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148
HGV8	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303
FBDD	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302
MC	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017
TAXI	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
PV4	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050
PV5	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087
NFB6	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151
NFB7	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141
NFB8	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479
FBSD	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295

Total composite emission factor (g/Veh/km)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.2792	0.2791	0.2798	0.2792	0.2797	0.2798	0.2791	0.2797	0.2795	0.2788	0.2799	0.0000	0.0000	0.0000	0.0000	0.0000
Total composite emission factor (g/Veh/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.00	0.00	0.00	0.00	0.00

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: R2_Internal Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	LGV3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	LGV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	PLB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	HGV7	0	0	0	0	0	0	0	0	21	44	40	38	36	32	40	38	42	38	13	0	0	0	0	0
7	HGV8	0	0	0	0	0	0	0	0	118	246	232	214	208	186	224	220	240	210	76	0	0	0	0	0
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	0	0	0	0	0	0	0	0	139	290	272	252	244	218	264	258	282	248	89	0	0	0	0	0

PM2.5 emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010
LGV3	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042
LGV4	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046
PLB	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062
LGV6	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088
HGV7	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148
HGV8	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303
FBDD	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302
MC	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017
TAXI	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
PV4	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050
PV5	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087
NFB6	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151
NFB7	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141
NFB8	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479
FBSD	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295

Total composite emission factor (g/Veh/km)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.2792	0.2791	0.2798	0.2792	0.2797	0.2798	0.2791	0.2797	0.2795	0.2788	0.2799	0.0000	0.0000	0.0000	0.0000	0.0000
Total composite emission factor (g/Veh/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.00	0.00	0.00	0.00	0.00

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: R3_Internal Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	LGV3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	LGV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	PLB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	HGV7	0	0	0	0	0	0	0	0	21	44	40	38	36	32	40	38	42	38	13	0	0	0	0	0
7	HGV8	0	0	0	0	0	0	0	0	118	246	232	214	208	186	224	220	240	210	76	0	0	0	0	0
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	0	0	0	0	0	0	0	0	139	290	272	252	244	218	264	258	282	248	89	0	0	0	0	0

PM2.5 emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010
LGV3	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042
LGV4	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046
PLB	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062
LGV6	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088
HGV7	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148
HGV8	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303
FBDD	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302
MC	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017
TAXI	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
PV4	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050
PV5	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087
NFB6	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151
NFB7	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141
NFB8	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479
FBSD	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295

Total composite emission factor (g/Veh/km)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.2792	0.2791	0.2798	0.2792	0.2797	0.2798	0.2791	0.2797	0.2795	0.2788	0.2799	0.0000	0.0000	0.0000	0.0000	0.0000
Total composite emission factor (g/Veh/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.00	0.00	0.00	0.00	0.00

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: R4_Internal Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	LGV3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	LGV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	PLB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	HGV7	0	0	0	0	0	0	0	0	21	44	40	38	36	32	40	38	42	38	13	0	0	0	0	0
7	HGV8	0	0	0	0	0	0	0	0	118	246	232	214	208	186	224	220	240	210	76	0	0	0	0	0
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	0	0	0	0	0	0	0	0	139	290	272	252	244	218	264	258	282	248	89	0	0	0	0	0

PM2.5 emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010
LGV3	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042
LGV4	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046
PLB	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062
LGV6	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088
HGV7	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148
HGV8	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303
FBDD	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302
MC	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017
TAXI	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
PV4	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050
PV5	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087
NFB6	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151
NFB7	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141
NFB8	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479
FBSD	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295

Total composite emission factor (g/Veh/km)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.2792	0.2791	0.2798	0.2792	0.2797	0.2798	0.2791	0.2797	0.2795	0.2788	0.2799	0.0000	0.0000	0.0000	0.0000	0.0000
Total composite emission factor (g/Veh/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.00	0.00	0.00	0.00	0.00

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: R5_Internal Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	LGV3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	LGV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	PLB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	HGV7	0	0	0	0	0	0	0	0	21	44	40	38	36	32	40	38	42	38	13	0	0	0	0	0
7	HGV8	0	0	0	0	0	0	0	0	118	246	232	214	208	186	224	220	240	210	76	0	0	0	0	0
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	0	0	0	0	0	0	0	0	139	290	272	252	244	218	264	258	282	248	89	0	0	0	0	0

PM2.5 emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010
LGV3	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042
LGV4	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046
PLB	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062
LGV6	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088
HGV7	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148
HGV8	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303
FBDD	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302
MC	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017
TAXI	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
PV4	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050
PV5	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087
NFB6	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151
NFB7	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141
NFB8	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479
FBSD	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295

Total composite emission factor (g/Veh/km)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.2792	0.2791	0.2798	0.2792	0.2797	0.2798	0.2791	0.2797	0.2795	0.2788	0.2799	0.0000	0.0000	0.0000	0.0000	0.0000
Total composite emission factor (g/Veh/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.00	0.00	0.00	0.00	0.00

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: R6_Internal Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	LGV3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	LGV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	PLB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	HGV7	0	0	0	0	0	0	0	0	3	5	4	4	4	4	4	4	5	4	2	0	0	0	0	0
7	HGV8	0	0	0	0	0	0	0	0	14	27	25	24	23	21	25	24	26	23	10	0	0	0	0	0
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	0	0	0	0	0	0	0	0	17	32	29	28	27	25	29	28	31	27	12	0	0	0	0	0

PM2.5 emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010
LGV3	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042
LGV4	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046
PLB	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062
LGV6	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088
HGV7	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148
HGV8	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303
FBDD	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302
MC	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017
TAXI	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
PV4	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050
PV5	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087
NFB6	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151
NFB7	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141
NFB8	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479
FBSD	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295

Total composite emission factor (g/Veh/km)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.2752	0.2784	0.2812	0.2804	0.2796	0.2778	0.2812	0.2804	0.2776	0.2796	0.2768	0.0000	0.0000	0.0000	0.0000	0.0000
Total composite emission factor (g/Veh/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.44	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.00	0.00	0.00	0.00	0.00

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: R7_Internal Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	LGV3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	LGV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	PLB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	HGV7	0	0	0	0	0	0	0	0	3	5	4	4	4	4	4	4	5	4	2	0	0	0	0	0
7	HGV8	0	0	0	0	0	0	0	0	12	25	23	22	21	19	23	22	24	21	8	0	0	0	0	0
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	0	0	0	0	0	0	0	0	15	30	27	26	25	23	27	26	29	25	10	0	0	0	0	0

PM2.5 emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010
LGV3	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042
LGV4	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046
PLB	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062
LGV6	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088
HGV7	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148
HGV8	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303
FBDD	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302
MC	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017
TAXI	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
PV4	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050
PV5	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087
NFB6	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151
NFB7	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141
NFB8	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479
FBSD	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295

Total composite emission factor (g/Veh/km)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.2716	0.2768	0.2796	0.2787	0.2778	0.2756	0.2796	0.2787	0.2759	0.2778	0.2716	0.0000	0.0000	0.0000	0.0000	0.0000
Total composite emission factor (g/Veh/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.44	0.45	0.45	0.45	0.45	0.44	0.45	0.45	0.44	0.45	0.44	0.00	0.00	0.00	0.00	0.00

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: R9_Internal Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	LGV3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	LGV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	PLB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	HGV7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	HGV8	0	0	0	0	0	0	0	0	2	2	2	2	2	2	2	2	2	2	2	0	0	0	0	0
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	0	0	0	0	0	0	0	0	2	2	2	2	2	2	2	2	2	2	2	0	0	0	0	0

PM2.5 emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010
LGV3	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042
LGV4	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046
PLB	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062
LGV6	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088
HGV7	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148
HGV8	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303
FBDD	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302
MC	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017
TAXI	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
PV4	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050
PV5	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087
NFB6	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151
NFB7	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141
NFB8	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479
FBSD	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295

Total composite emission factor (g/Veh/km)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.3025	0.3025	0.3025	0.3025	0.3025	0.3025	0.3025	0.3025	0.3025	0.3025	0.3025	0.0000	0.0000	0.0000	0.0000	0.0000
Total composite emission factor (g/Veh/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.00	0.00	0.00	0.00	0.00

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: R10_Internal Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	LGV3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	LGV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	PLB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	HGV7	0	0	0	0	0	0	0	0	18	39	36	34	32	28	36	34	37	34	11	0	0	0	0	0
7	HGV8	0	0	0	0	0	0	0	0	104	219	207	190	185	165	199	196	214	187	66	0	0	0	0	0
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	0	0	0	0	0	0	0	0	122	258	243	224	217	193	235	230	251	221	77	0	0	0	0	0

PM2.5 emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010
LGV3	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042
LGV4	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046
PLB	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062
LGV6	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088
HGV7	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148
HGV8	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303
FBDD	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302
MC	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017
TAXI	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
PV4	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050
PV5	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087
NFB6	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151
NFB7	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141
NFB8	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479
FBSD	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295

Total composite emission factor (g/Veh/km)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.2797	0.2791	0.2796	0.2790	0.2797	0.2801	0.2788	0.2797	0.2797	0.2787	0.2804	0.0000	0.0000	0.0000	0.0000	0.0000
Total composite emission factor (g/Veh/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.00	0.00	0.00	0.00	0.00

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: R11_Internal Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	LGV3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	LGV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	PLB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	HGV7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	HGV8	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80

PM2.5 emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010
LGV3	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042
LGV4	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046
PLB	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062
LGV6	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088
HGV7	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148
HGV8b	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118
FBDD	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302
MC	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017
TAXI	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
PV4	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050
PV5	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087
NFB6	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151
NFB7	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141
NFB8	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479
FBSD	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295

Total composite emission factor (g/Veh/km)	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175
Total composite emission factor (g/Veh/mile)	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: R12_Internal Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	LGV3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	LGV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	PLB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	HGV7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	HGV8	0	0	0	0	0	0	0	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	0
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	0	0	0	0	0	0	0	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	0

PM2.5 emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010
LGV3	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042
LGV4	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046
PLB	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062
LGV6	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088
HGV7	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148
HGV8b	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118
FBDD	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302
MC	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017
TAXI	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
PV4	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050
PV5	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087
NFB6	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151
NFB7	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141
NFB8	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479
FBSD	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295

Total composite emission factor (g/Veh/km)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.0000
Total composite emission factor (g/Veh/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.00

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: R13_Internal Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	LGV3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	LGV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	PLB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	HGV7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	HGV8	0	0	0	0	0	0	0	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	0
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	0	0	0	0	0	0	0	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	0

PM2.5 emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010
LGV3	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042
LGV4	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046
PLB	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062
LGV6	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088
HGV7	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148
HGV8b	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118
FBDD	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302
MC	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017
TAXI	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
PV4	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050
PV5	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087
NFB6	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151
NFB7	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141
NFB8	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479
FBSD	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295

Total composite emission factor (g/Veh/km)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.0000
Total composite emission factor (g/Veh/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.00

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: R14_Internal Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	LGV3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	LGV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	PLB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	HGV7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	HGV8	66	66	66	66	66	66	66	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	66
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	66	66	66	66	66	66	66	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	66

PM2.5 emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010
LGV3	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042
LGV4	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046
PLB	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062
LGV6	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088
HGV7	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148
HGV8b	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118
FBDD	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302
MC	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017
TAXI	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
PV4	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050
PV5	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087
NFB6	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151
NFB7	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141
NFB8	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479
FBSD	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295

Total composite emission factor (g/Veh/km)	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175
Total composite emission factor (g/Veh/mile)	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: R15_Internal Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	LGV3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	LGV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	PLB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	HGV7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	HGV8	66	66	66	66	66	66	66	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	66
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	66	66	66	66	66	66	66	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	66

PM2.5 emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010
LGV3	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042
LGV4	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046
PLB	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062
LGV6	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088
HGV7	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148
HGV8b	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118
FBDD	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302
MC	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017
TAXI	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
PV4	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050
PV5	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087
NFB6	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151
NFB7	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141
NFB8	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479
FBSD	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295

Total composite emission factor (g/Veh/km)	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175
Total composite emission factor (g/Veh/mile)	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: R17_Internal Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	LGV3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	LGV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	PLB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	HGV7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	HGV8	66	66	66	66	66	66	66	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	66
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	66	66	66	66	66	66	66	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	66

PM2.5 emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010
LGV3	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042
LGV4	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046
PLB	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062
LGV6	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088
HGV7	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148
HGV8b	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118
FBDD	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302
MC	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017
TAXI	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
PV4	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050
PV5	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087
NFB6	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151
NFB7	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141
NFB8	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479
FBSD	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295

Total composite emission factor (g/Veh/km)	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175
Total composite emission factor (g/Veh/mile)	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: R19_Internal Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	LGV3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	LGV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	PLB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	HGV7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	HGV8	0	0	0	0	0	0	0	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166	0
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	0	0	0	0	0	0	0	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166	0

PM2.5 emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010
LGV3	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042
LGV4	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046
PLB	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062
LGV6	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088
HGV7	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148
HGV8b	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118
FBDD	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302
MC	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017
TAXI	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
PV4	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050
PV5	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087
NFB6	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151
NFB7	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141
NFB8	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479
FBSD	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295

Total composite emission factor (g/Veh/km)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.0000
Total composite emission factor (g/Veh/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.00

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: R20_Internal Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	LGV3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	LGV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	PLB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	HGV7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	HGV8	0	0	0	0	0	0	0	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	0
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	0	0	0	0	0	0	0	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	0

PM2.5 emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010
LGV3	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042
LGV4	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046
PLB	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062
LGV6	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088
HGV7	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148
HGV8b	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118
FBDD	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302
MC	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017
TAXI	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
PV4	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050
PV5	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087
NFB6	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151
NFB7	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141
NFB8	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479
FBSD	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295

Total composite emission factor (g/Veh/km)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.0000
Total composite emission factor (g/Veh/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.00

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: R21_Internal Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	LGV3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	LGV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	PLB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	HGV7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	HGV8	132	132	132	132	132	132	132	274	274	274	274	274	274	274	274	274	274	274	274	274	274	274	274	132
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	132	132	132	132	132	132	132	274	274	274	274	274	274	274	274	274	274	274	274	274	274	274	274	132

PM2.5 emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010
LGV3	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042
LGV4	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046
PLB	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062
LGV6	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088
HGV7	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148
HGV8b	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118
FBDD	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302
MC	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017
TAXI	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
PV4	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050
PV5	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087
NFB6	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151
NFB7	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141
NFB8	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479
FBSD	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295

Total composite emission factor (g/Veh/km)	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175
Total composite emission factor (g/Veh/mile)	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: R22_Internal Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	LGV3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	LGV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	PLB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	HGV7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	HGV8	132	132	132	132	132	132	132	148	148	148	148	148	148	148	148	148	148	148	148	148	148	148	148	132
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	132	132	132	132	132	132	132	148	148	148	148	148	148	148	148	148	148	148	148	148	148	148	148	132

PM2.5 emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010
LGV3	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042
LGV4	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046
PLB	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062
LGV6	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088
HGV7	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148
HGV8b	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118
FBDD	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302
MC	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017
TAXI	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
PV4	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050
PV5	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087
NFB6	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151
NFB7	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141
NFB8	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479
FBSD	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295

Total composite emission factor (g/Veh/km)	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175
Total composite emission factor (g/Veh/mile)	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: R25_Internal Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	LGV3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	LGV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	PLB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	HGV7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	HGV8	0	0	0	0	0	0	0	0	17	17	17	17	17	17	17	17	17	17	17	17	17	17	0	0
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	0	0	0	0	0	0	0	0	17	17	17	17	17	17	17	17	17	17	17	17	0	0	0	0

PM2.5 emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010
LGV3	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042
LGV4	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046
PLB	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062
LGV6	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088
HGV7	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148
HGV8	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303
FBDD	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302
MC	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017
TAXI	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
PV4	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050
PV5	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087
NFB6	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151
NFB7	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141
NFB8	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479
FBSD	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295

Total composite emission factor (g/Veh/km)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.3025	0.3025	0.3025	0.3025	0.3025	0.3025	0.3025	0.3025	0.3025	0.3025	0.3025	0.3025	0.0000	0.0000	0.0000	0.0000
Total composite emission factor (g/Veh/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.00	0.00	0.00	0.00

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: R26_Internal Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	LGV3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	LGV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	PLB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	HGV7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	HGV8	0	0	0	0	0	0	0	0	17	17	17	17	17	17	17	17	17	17	17	17	17	17	0	0
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	0	0	0	0	0	0	0	0	17	17	17	17	17	17	17	17	17	17	17	17	0	0	0	0

PM2.5 emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010
LGV3	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042
LGV4	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046
PLB	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062
LGV6	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088
HGV7	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148
HGV8	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303
FBDD	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302
MC	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017
TAXI	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
PV4	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050
PV5	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087
NFB6	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151
NFB7	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141
NFB8	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479
FBSD	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295

Total composite emission factor (g/Veh/km)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.3025	0.3025	0.3025	0.3025	0.3025	0.3025	0.3025	0.3025	0.3025	0.3025	0.3025	0.3025	0.0000	0.0000	0.0000	0.0000
Total composite emission factor (g/Veh/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.00	0.00	0.00	0.00

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: R27_Internal Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	LGV3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	LGV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	PLB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	HGV7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	HGV8	0	0	0	0	0	0	0	0	17	17	17	17	17	17	17	17	17	17	17	17	17	17	0	0
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	0	0	0	0	0	0	0	0	17	17	17	17	17	17	17	17	17	17	17	17	0	0	0	0

PM2.5 emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010
LGV3	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042
LGV4	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046
PLB	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062
LGV6	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088
HGV7	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148
HGV8	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303
FBDD	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302
MC	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017
TAXI	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
PV4	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050
PV5	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087
NFB6	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151
NFB7	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141
NFB8	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479
FBSD	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295

Total composite emission factor (g/Veh/km)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.3025	0.3025	0.3025	0.3025	0.3025	0.3025	0.3025	0.3025	0.3025	0.3025	0.3025	0.3025	0.0000	0.0000	0.0000	0.0000
Total composite emission factor (g/Veh/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.00	0.00	0.00	0.00

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

District: Tuen Mun Fill Bank
Road Section: R28_Internal Road
Year: 2019

Vehicle Classes	Description	Hour																							
		0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
1	PC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	LGV3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	LGV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	PLB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LGV6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	HGV7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	HGV8	0	0	0	0	0	0	0	0	17	17	17	17	17	17	17	17	17	17	17	17	17	17	0	0
8	FBDD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TAXI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	PV4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PV5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	NFB7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	NFB8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	FBSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Flow (veh)	0	0	0	0	0	0	0	0	17	17	17	17	17	17	17	17	17	17	17	17	0	0	0	0

PM2.5 emission factor (g/Veh/km, EMFAC Veh categories)

Description	0:00 | 1:00	1:00 | 2:00	2:00 | 3:00	3:00 | 4:00	4:00 | 5:00	5:00 | 6:00	6:00 | 7:00	7:00 | 8:00	8:00 | 9:00	9:00 | 10:00	10:00 | 11:00	11:00 | 12:00	12:00 | 13:00	13:00 | 14:00	14:00 | 15:00	15:00 | 16:00	16:00 | 17:00	17:00 | 18:00	18:00 | 19:00	19:00 | 20:00	20:00 | 21:00	21:00 | 22:00	22:00 | 23:00	23:00 | 0:00
PC	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010
LGV3	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042
LGV4	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046
PLB	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062
LGV6	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088
HGV7	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148
HGV8	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303
FBDD	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302
MC	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017
TAXI	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
PV4	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050
PV5	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087
NFB6	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151
NFB7	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141
NFB8	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479
FBSD	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295

Total composite emission factor (g/Veh/km)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.3025	0.3025	0.3025	0.3025	0.3025	0.3025	0.3025	0.3025	0.3025	0.3025	0.3025	0.3025	0.0000	0.0000	0.0000	0.0000
Total composite emission factor (g/Veh/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.00	0.00	0.00	0.00

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

Ref.	Road Name	00:00 - 01:00					01:00 - 02:00					02:00 - 03:00					03:00 - 04:00					04:00 - 05:00					05:00 - 06:00				
		Traffic flow (Veh/hr)	NO2 Total composite emission factor (g/Veh/mile)	NO Total composite emission factor (g/Veh/mile)	PM10 Total composite emission factor (g/Veh/mile)	PM2.5 Total composite emission factor (g/Veh/mile)	Traffic flow (Veh/hr)	NO2 Total composite emission factor (g/Veh/mile)	NO Total composite emission factor (g/Veh/mile)	PM10 Total composite emission factor (g/Veh/mile)	PM2.5 Total composite emission factor (g/Veh/mile)	Traffic flow (Veh/hr)	NO2 Total composite emission factor (g/Veh/mile)	NO Total composite emission factor (g/Veh/mile)	PM10 Total composite emission factor (g/Veh/mile)	PM2.5 Total composite emission factor (g/Veh/mile)	Traffic flow (Veh/hr)	NO2 Total composite emission factor (g/Veh/mile)	NO Total composite emission factor (g/Veh/mile)	PM10 Total composite emission factor (g/Veh/mile)	PM2.5 Total composite emission factor (g/Veh/mile)	Traffic flow (Veh/hr)	NO2 Total composite emission factor (g/Veh/mile)	NO Total composite emission factor (g/Veh/mile)	PM10 Total composite emission factor (g/Veh/mile)	PM2.5 Total composite emission factor (g/Veh/mile)	Traffic flow (Veh/hr)	NO2 Total composite emission factor (g/Veh/mile)	NO Total composite emission factor (g/Veh/mile)	PM10 Total composite emission factor (g/Veh/mile)	PM2.5 Total composite emission factor (g/Veh/mile)
1	TM1_Lung Mun Road	61	0.32	2.22	0.06	0.05	33	0.24	1.83	0.04	0.04	30	0.26	1.98	0.04	0.04	24	0.31	2.09	0.05	0.05	24	0.27	1.98	0.04	0.04	47	0.26	1.74	0.04	0.03
2	TM2_Unnamed Road to River Trade Terminal	13	0.32	2.26	0.04	0.04	7	0.28	1.88	0.04	0.04	6	0.32	2.16	0.04	0.04	3	0.12	1.92	0.02	0.02	3	0.12	1.92	0.02	0.02	3	0.12	1.92	0.02	0.02
3	TM3_Lung Mun Road	48	0.35	2.45	0.06	0.06	26	0.26	2.03	0.05	0.04	24	0.28	2.15	0.05	0.05	21	0.34	2.22	0.05	0.05	21	0.30	2.10	0.05	0.05	44	0.27	1.78	0.04	0.04
4	TM5_Lung Mun Road	40	0.39	2.66	0.07	0.07	25	0.27	2.10	0.05	0.05	23	0.29	2.24	0.05	0.05	21	0.34	2.22	0.05	0.05	21	0.30	2.10	0.05	0.05	44	0.27	1.78	0.04	0.04
5	TM7_Siu Lang Shui Road	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
6	TM8_Unnamed Road to Cemetery	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
7	TM9_Siu Lang Shui Road	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
8	TM10_Lung Fat Street	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
9	TM11_Lung Mun Road	35	0.45	2.99	0.08	0.08	21	0.32	2.42	0.06	0.05	19	0.35	2.56	0.06	0.06	17	0.42	2.65	0.07	0.06	17	0.37	2.49	0.06	0.06	37	0.29	1.90	0.04	0.04
10	TM12_Unnamed Road to EcoPark	5	0.01	0.45	0.01	0.01	4	0.01	0.52	0.01	0.00	4	0.02	0.92	0.00	0.00	4	0.01	0.52	0.01	0.00	4	0.01	0.52	0.01	0.00	7	0.21	1.44	0.03	0.03
11	TM13_Lung Yiu Street	7	0.04	0.88	0.01	0.01	4	0.07	1.08	0.01	0.01	2	0.02	0.86	0.00	0.00	2	0.11	1.29	0.02	0.02	0	0.00	0.00	0.00	0.00	4	0.06	0.71	0.01	0.01
12	TM14_Lung Mun Road	28	0.55	3.54	0.10	0.10	17	0.38	2.78	0.07	0.07	17	0.39	2.77	0.07	0.06	15	0.46	2.86	0.07	0.07	17	0.37	2.49	0.06	0.06	33	0.32	2.06	0.05	0.04
13	TM15_Lung Yiu Street	5	0.05	0.80	0.01	0.01	2	0.10	1.16	0.02	0.02	2	0.02	0.79	0.00	0.00	2	0.10	1.16	0.02	0.02	0	0.00	0.00	0.00	0.00	3	0.07	0.81	0.01	0.01
14	TM16_Lung Hong Street	2	0.02	0.79	0.00	0.00	2	0.02	0.79	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	1	0.01	0.11	0.00	0.00
15	R1_Internal Road	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
16	R2_Internal Road	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
17	R3_Internal Road	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
18	R4_Internal Road	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
19	R5_Internal Road	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
20	R6_Internal Road	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
21	R7_Internal Road	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
22	R9_Internal Road	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
23	R10_Internal Road	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
24	R11_Internal Road	80	1.92	12.40	0.21	0.19	80	1.92	12.40	0.21	0.19	80	1.92	12.40	0.21	0.19	80	1.92	12.40	0.21	0.19	80	1.92	12.40	0.21	0.19	80	1.92	12.40	0.21	0.19
25	R12_Internal Road	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
26	R13_Internal Road	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
27	R14_Internal Road	66	1.92	12.40	0.21	0.19	66	1.92	12.40	0.21	0.19	66	1.92	12.40	0.21	0.19	66	1.92	12.40	0.21	0.19	66	1.92	12.40	0.21	0.19	66	1.92	12.40	0.21	0.19
28	R15_Internal Road	66	1.92	12.40	0.21	0.19	66	1.92	12.40	0.21	0.19	66	1.92	12.40	0.21	0.19	66	1.92	12.40	0.21	0.19	66	1.92	12.40	0.21	0.19	66	1.92	12.40	0.21	0.19
29	R17_Internal Road	66	1.92	12.40	0.21	0.19	66	1.92	12.40	0.21	0.19	66	1.92	12.40	0.21	0.19	66	1.92	12.40	0.21	0.19	66	1.92	12.40	0.21	0.19	66	1.92	12.40	0.21	0.19
30	R19_Internal Road	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
31	R20_Internal Road	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
32	R21_Internal Road	132	1.92	12.40	0.21	0.19	132	1.92	12.40	0.21	0.19	132	1.92	12.40	0.21	0.19	132	1.92	12.40	0.21	0.19	132	1.92	12.40	0.21	0.19	132	1.92	12.40	0.21	0.19
33	R22_Internal Road	132	1.92	12.40	0.21	0.19	132	1.92	12.40	0.21	0.19	132	1.92	12.40	0.21	0.19	132	1.92	12.40	0.21	0.19	132	1.92	12.40	0.21	0.19	132	1.92	12.40	0.21	0.19
34	R25_Internal Road	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
35	R26_Internal Road	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
36	R27_Internal Road	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
37	R28_Internal Road	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00

Ref.	Road Name	06:00 - 07:00					07:00 - 08:00					08:00 - 09:00					09:00 - 10:00					10:00 - 11:00					11:00 - 12:00				
		Traffic flow (Veh/hr)	NO2 Total composite emission factor (g/Veh/mile)	NO Total composite emission factor (g/Veh/mile)	PM10 Total composite emission factor (g/Veh/mile)	PM2.5 Total composite emission factor (g/Veh/mile)	Traffic flow (Veh/hr)	NO2 Total composite emission factor (g/Veh/mile)	NO Total composite emission factor (g/Veh/mile)	PM10 Total composite emission factor (g/Veh/mile)	PM2.5 Total composite emission factor (g/Veh/mile)	Traffic flow (Veh/hr)	NO2 Total composite emission factor (g/Veh/mile)	NO Total composite emission factor (g/Veh/mile)	PM10 Total composite emission factor (g/Veh/mile)	PM2.5 Total composite emission factor (g/Veh/mile)	Traffic flow (Veh/hr)	NO2 Total composite emission factor (g/Veh/mile)	NO Total composite emission factor (g/Veh/mile)	PM10 Total composite emission factor (g/Veh/mile)	PM2.5 Total composite emission factor (g/Veh/mile)	Traffic flow (Veh/hr)	NO2 Total composite emission factor (g/Veh/mile)	NO Total composite emission factor (g/Veh/mile)	PM10 Total composite emission factor (g/Veh/mile)	PM2.5 Total composite emission factor (g/Veh/mile)	Traffic flow (Veh/hr)	NO2 Total composite emission factor (g/Veh/mile)	NO Total composite emission factor (g/Veh/mile)	PM10 Total composite emission factor (g/Veh/mile)	PM2.5 Total composite emission factor (g/Veh/mile)
1	TM1_Lung Mun Road	113	0.30	2.06	0.05	0.05	331	0.34	2.38	0.06	0.05	1367	0.86	5.21	0.16	0.15	1643	0.91	5.49	0.17	0.15	1561	0.69	4.19	0.12	0.11	1464	0.61	3.74	0.11	0.10
2	TM2_Unnamed Road to River Trade Terminal	15	0.92	5.82	0.18	0.16	32	0.89	6.52	0.20	0.19	483	1.38	9.83	0.32	0.29	499	1.39	9.80	0.32	0.29	425	1.34	9.48	0.31	0.28	385	1.36	9.59	0.31	0.29
3	TM3_Lung Mun Road	98	0.28	1.91	0.04	0.04	299	0.30	2.12	0.05	0.05	884	0.69	3.71	0.10	0.10	1144	0.74	4.06	0.12	0.11	1136	0.64	3.60	0.10	0.09	1079	0.54	3.06	0.08	0.08
4	TM5_Lung Mun Road	97	0.28	1.93	0.04	0.04	286	0.31	2.13	0.05	0.05	741	0.68	3.35	0.09	0.08	845	0.71	3.42	0.09	0.08	832	0.61	2.93	0.08	0.07	801	0.51	2.47	0.06	0.06
5	TM7_Siu Lang Shui Road	2	0.02	0.83	0.00	0.00	21	0.73	3.38	0.09	0.08	47	0.67	3.33	0.09	0.08	55	0.66	3.22	0.08	0.08	31	0.68	3.17	0.08	0.08	24	0.73	3.40	0.09	0.08
6	TM8_Unnamed Road to Cemetery	0	0.00	0.00	0.00	0.00	2	0.97	4.60	0.13	0.12	11	0.53	2.82	0.07	0.06	12	0.54	2.63	0.07	0.06	5	0.56	1.88	0.04	0.04	5	0.66	2.85	0.07	0.06
7	TM9_Siu Lang Shui Road	2	0.02	0.84	0.00	0.00	23	0.77	3.57	0.10	0.09	58	0.66	3.32	0.09	0.08	67	0.66	3.19	0.08	0.08	36	0.68	3.06	0.08	0.07	29	0.74	3.39	0.09	0.08
8	TM10_Lung Fat Street	2	0.02	0.84	0.00	0.00	23	0.77	3.57	0.10	0.09	58	0.66	3.32	0.09	0.08	67	0.66	3.19	0.08	0.08	36	0.68	3.06	0.08	0.07	29	0.74	3.39	0.09	0.08
9	TM11_Lung Mun Road	85	0.30	2.04	0.05	0.04	228	0.25	1.90	0.04	0.04	595	0.69	3.24	0.08	0.08	684	0.73	3.34	0.09	0.08	720	0.61	2.86	0.07	0.07	700	0.51	2.39	0.06	0.05
10	TM12_Unnamed Road to EcoPark	10	0.20	1.55	0.03	0.03	35	0.41	2.73	0.07	0.06	88	0.59	4.21	0.12	0.11	94	0.60	4.29	0.13	0.12	76	0.50	3.54	0.10	0.09	72	0.49	3.58	0.10	0.09
11	TM13_Lung Yiu Street	31	0.29	1.93	0.04	0.04	70	0.41	2.40	0.06	0.05	169	0.61	3.35	0.09	0.08	184	0.62	3.38	0.09	0.08	118	0.60	3.15	0.08	0.08	103	0.59	3.09	0.08	0.07
12	TM14_Lung Mun Road	54	0.34	2.31	0.06	0.05	158	0.18	1.72	0.04	0.04	426	0.73	3.22	0.08	0.08	500	0.78	3.35	0.09	0.08	602	0.61	2.81	0.07	0.06	597	0.51	2.34	0.06	0.05
13	TM15_Lung Yiu Street	19	0.24	1.56	0.03	0.03	46	0.34	2.05	0.05	0.04	114	0.50	2.78	0.07	0.07	125	0.51	2.81	0.07	0.07	58	0.64	3.17	0.09	0.08	50	0.61	3.05	0.08	0.08
14	TM16_Lung Hong Street	12	0.26	1.86	0.04	0.04	24	0.36	1.99	0.05	0.04	55	0.51	2.85	0.08	0.07	59	0.51	2.85	0.08	0.07	60	0.37	2.13	0.05	0.05	53	0.38	2.17	0.05	0.05
15	R1_Internal Road	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	139	2.11	14.74	0.49	0.45	290	2.11	14.73	0.49	0.45	272	2.11	14.77	0.49	0.45	252	2.11	14.74	0.49	0.45
16	R2_Internal Road	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	139	2.11	14.74	0.49	0.45	290	2.11	14.73	0.49	0.45	272	2.11	14.77	0.49	0.45	252	2.11	14.74	0.49	0.45
17	R3_Internal Road	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	139	2.11	14.74	0.49	0.45	290	2.11	14.73	0.49	0.45	272	2.11	14.77	0.49	0.45	252	2.11	14.74	0.49	0.45
18	R4_Internal Road	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	139	2.11	14.74	0.49	0.45	290	2.11	14.73	0.49	0.45	272	2.11	14.77	0.49	0.45	252	2.11	14.74	0.49	0.45
19	R5_Internal Road	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	139	2.11	14.74	0.49	0.45	290	2.11	14.73	0.49	0.45	272	2.11	14.77	0.49	0.45	252	2.11	14.74	0.49	0.45
20	R6_Internal Road	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	17	2.14	14.53	0.48	0.44	32	2.12	14.69	0.49	0.45	29	2.10	14.85	0.49	0.45	28	2.10	14.81	0.49	0.45
21	R7_Internal Road	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	15	2.16	14.33	0.48	0.44	30	2.13	14.61	0.49	0.45	27	2.11	14.76	0.49	0.45	26	2.11	14.71	0.49	0.45
22	R9_Internal Road	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	2	1.96	15.99	0.53	0.49	2	1.96	15.99	0.53	0.49	2	1.96	15.99	0.53	0.49	2	1.96	15.99	0.53	0.49
23	R10_Internal Road	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	122	2.11	14.77	0.49	0.45	258	2.11	14.74	0.49	0.45	243	2.11	14.76	0.49	0.45	224	2.11	14.73	0.49	0.45
24	R11_Internal Road	80	1.92	12.40	0.21	0.19	80	1.92	12.40	0.21	0.19	80	1.92	12.40	0.21	0.19	80	1.92	12.40	0.21	0.19	80	1.92	12.40	0.21	0.19	80	1.92	12.40	0.21	0.19
25	R12_Internal Road	0	0.00	0.00	0.00	0.00	142	1.92	12.40	0.21	0.19	142	1.92	12.40	0.21	0.19	142	1.92	12.40	0.21	0.19	142	1.92	12.40	0.21	0.19	142	1.92	12.40	0.21	0.19
26	R13_Internal Road	0	0.00	0.00	0.00	0.00	150	1.92	12.40	0.21	0.19	150	1.92	12.40	0.21	0.19	150	1.92	12.40	0.21	0.19	150	1.92	12.40	0.21	0.19	150	1.92	12.40	0.21	0.19
27	R14_Internal Road	66	1.92	12.40	0.21	0.19	74	1.92	12.40	0.21	0.19	74	1.92	12.40	0.21	0.19	74	1.92	12.40	0.21	0.19	74	1.92	12.40	0.21	0.19	74	1.92	12.40	0.21	0.19
28	R15_Internal Road	66	1.92	12.40	0.21	0.19	74	1.92	12.40	0.21	0.19	74	1.92	12.40	0.21	0.19	74	1.92	12.40	0.21	0.19	74	1.92	12.40	0.21	0.19	74	1.92	12.40	0.21	0.19
29	R17_Internal Road	66	1.92	12.40	0.21	0.19	74	1.92	12.40	0.21	0.19	74	1.92	12.40	0.21	0.19	74	1.92	12.40	0.21	0.19	74	1.92	12.40	0.21	0.19	74	1.92	12.40	0.21	0.19
30	R19_Internal Road	0	0.00	0.00	0.00	0.00	166	1.92	12.40	0.21	0.19	166	1.92	12.40	0.21	0.19	166	1.92	12.40	0.21	0.19	166	1.92	12.40	0.21	0.19	166	1.92	12.40	0.21	0.19
31	R20_Internal Road	0	0.00	0.00	0.00	0.00	8	1.92	12.40	0.21	0.19	8	1.92	12.40	0.21	0.19	8	1.92	12.40	0.21	0.19	8	1.92	12.40	0.21	0.19	8	1.92	12.40	0.21	0.19
32	R21_Internal Road	132	1.92	12.40	0.21	0.19	274	1.92	12.40	0.21	0.19	274	1.92	12.40	0.21	0.19	274	1.92	12.40	0.21	0.19	274	1.92	12.40	0.21	0.19	274	1.92	12.40	0.21	0.19
33	R22_Internal Road	132	1.92	12.40	0.21	0.19	148	1.92	12.40	0.21	0.19	148	1.92	12.40	0.21	0.19	148	1.92	12.40	0.21	0.19	148	1.92	12.40	0.21	0.19	148	1.92	12.40	0.21	0.19
34	R25_Internal Road	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	17	1.96	15.99	0.53	0.49	17	1.96	15.99	0.53	0.49	17	1.96	15.99	0.53	0.49	17	1.96	15.99	0.53	0.49
35	R26_Internal Road	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	17	1.96	15.99	0.53	0.49	17	1.96	15.99	0.53	0.49	17	1.96	15.99	0.53	0.49	17	1.96	15.99	0.53	0.49
36	R27_Internal Road	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	17	1.96	15.99	0.53	0.49	17	1.96	15.99	0.53	0.49	17	1.96	15.99	0.53	0.49	17	1.96	15.99	0.53	0.49
37	R28_Internal Road	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	17	1.96	15.99	0.53	0.49	17	1.96	15.99	0.53	0.49	17	1.96	15.99	0.53	0.49	17	1.96	15.99	0.53	0.49

Annex A3 - Vehicular Emission Factors, Traffic Information and Calculations of Composite Vehicular Emission Factors (For Assessment Except Annual NO2)

Ref.	Road Name	12:00 - 13:00					13:00 - 14:00					14:00 - 15:00					15:00 - 16:00					16:00 - 17:00					17:00 - 18:00				
		Traffic flow (Veh/hr)	NO2 Total composite emission factor (g/Veh/mile)	NO Total composite emission factor (g/Veh/mile)	PM10 Total composite emission factor (g/Veh/mile)	PM2.5 Total composite emission factor (g/Veh/mile)	Traffic flow (Veh/hr)	NO2 Total composite emission factor (g/Veh/mile)	NO Total composite emission factor (g/Veh/mile)	PM10 Total composite emission factor (g/Veh/mile)	PM2.5 Total composite emission factor (g/Veh/mile)	Traffic flow (Veh/hr)	NO2 Total composite emission factor (g/Veh/mile)	NO Total composite emission factor (g/Veh/mile)	PM10 Total composite emission factor (g/Veh/mile)	PM2.5 Total composite emission factor (g/Veh/mile)	Traffic flow (Veh/hr)	NO2 Total composite emission factor (g/Veh/mile)	NO Total composite emission factor (g/Veh/mile)	PM10 Total composite emission factor (g/Veh/mile)	PM2.5 Total composite emission factor (g/Veh/mile)	Traffic flow (Veh/hr)	NO2 Total composite emission factor (g/Veh/mile)	NO Total composite emission factor (g/Veh/mile)	PM10 Total composite emission factor (g/Veh/mile)	PM2.5 Total composite emission factor (g/Veh/mile)	Traffic flow (Veh/hr)	NO2 Total composite emission factor (g/Veh/mile)	NO Total composite emission factor (g/Veh/mile)	PM10 Total composite emission factor (g/Veh/mile)	PM2.5 Total composite emission factor (g/Veh/mile)
1	TM1_Lung Mun Road	1353	0.61	3.75	0.11	0.10	1281	0.59	3.62	0.11	0.10	1501	0.62	3.83	0.11	0.10	1480	0.62	3.83	0.11	0.10	1486	0.71	4.34	0.13	0.12	1437	0.77	4.73	0.14	0.13
2	TM2_Unnamed Road to River Trade Terminal	341	1.33	9.65	0.31	0.29	347	1.38	9.41	0.31	0.28	408	1.37	9.43	0.31	0.28	392	1.36	9.59	0.31	0.29	410	1.37	9.59	0.31	0.29	408	1.37	9.43	0.31	0.28
3	TM3_Lung Mun Road	1012	0.56	3.17	0.09	0.08	934	0.55	3.17	0.09	0.08	1093	0.58	3.33	0.09	0.09	1088	0.59	3.32	0.09	0.09	1076	0.66	3.72	0.11	0.10	1029	0.71	4.02	0.11	0.11
4	TM5_Lung Mun Road	744	0.53	2.59	0.07	0.06	693	0.51	2.56	0.06	0.06	803	0.53	2.66	0.07	0.06	804	0.52	2.55	0.06	0.06	768	0.61	2.91	0.07	0.07	755	0.59	2.90	0.07	0.07
5	TM7_Siu Lang Shui Road	24	0.73	3.40	0.09	0.08	24	0.73	3.40	0.09	0.08	31	0.68	3.17	0.08	0.08	24	0.73	3.40	0.09	0.08	24	0.73	3.40	0.09	0.08	31	0.68	3.17	0.08	0.08
6	TM8_Unnamed Road to Cemetery	4	0.70	2.32	0.05	0.04	5	0.57	2.15	0.04	0.03	5	0.56	1.88	0.04	0.04	4	0.82	3.53	0.09	0.08	5	0.57	2.15	0.04	0.03	4	0.70	2.32	0.05	0.04
7	TM9_Siu Lang Shui Road	28	0.74	3.32	0.09	0.08	29	0.72	3.26	0.08	0.08	36	0.68	3.06	0.08	0.07	28	0.76	3.51	0.09	0.09	27	0.72	3.04	0.08	0.07	35	0.70	3.14	0.08	0.07
8	TM10_Lung Fat Street	28	0.74	3.32	0.09	0.08	29	0.72	3.26	0.08	0.08	36	0.68	3.06	0.08	0.07	28	0.76	3.51	0.09	0.09	27	0.72	3.04	0.08	0.07	35	0.70	3.14	0.08	0.07
9	TM11_Lung Mun Road	649	0.53	2.53	0.06	0.06	600	0.52	2.50	0.06	0.06	693	0.53	2.61	0.07	0.06	704	0.52	2.49	0.06	0.06	676	0.62	2.86	0.07	0.07	646	0.59	2.81	0.07	0.06
10	TM12_Unnamed Road to EcoPark	67	0.49	3.59	0.10	0.09	64	0.49	3.54	0.10	0.09	74	0.50	3.54	0.10	0.09	72	0.49	3.58	0.10	0.09	65	0.46	3.33	0.09	0.08	74	0.50	3.54	0.10	0.09
11	TM13_Lung Yiu Street	102	0.63	3.24	0.09	0.08	97	0.62	3.22	0.09	0.08	112	0.62	3.23	0.09	0.08	109	0.62	3.22	0.09	0.08	109	0.63	3.28	0.09	0.08	110	0.63	3.25	0.09	0.08
12	TM14_Lung Mun Road	547	0.53	2.48	0.06	0.06	503	0.51	2.44	0.06	0.06	581	0.53	2.56	0.06	0.06	595	0.52	2.45	0.06	0.06	567	0.62	2.79	0.07	0.06	536	0.59	2.73	0.07	0.06
13	TM15_Lung Yiu Street	53	0.67	3.27	0.09	0.08	49	0.66	3.25	0.09	0.08	56	0.69	3.38	0.09	0.09	56	0.65	3.20	0.09	0.08	56	0.65	3.20	0.09	0.08	54	0.68	3.34	0.09	0.09
14	TM16_Lung Hong Street	49	0.37	2.11	0.05	0.04	48	0.38	2.13	0.05	0.05	56	0.35	2.04	0.05	0.04	53	0.38	2.17	0.05	0.05	53	0.38	2.17	0.05	0.05	56	0.35	2.04	0.05	0.04
15	R1_Internal Road	244	2.11	14.77	0.49	0.45	218	2.11	14.77	0.49	0.45	264	2.11	14.73	0.49	0.45	258	2.11	14.77	0.49	0.45	282	2.11	14.75	0.49	0.45	248	2.11	14.72	0.49	0.45
16	R2_Internal Road	244	2.11	14.77	0.49	0.45	218	2.11	14.77	0.49	0.45	264	2.11	14.73	0.49	0.45	258	2.11	14.77	0.49	0.45	282	2.11	14.75	0.49	0.45	248	2.11	14.72	0.49	0.45
17	R3_Internal Road	244	2.11	14.77	0.49	0.45	218	2.11	14.77	0.49	0.45	264	2.11	14.73	0.49	0.45	258	2.11	14.77	0.49	0.45	282	2.11	14.75	0.49	0.45	248	2.11	14.72	0.49	0.45
18	R4_Internal Road	244	2.11	14.77	0.49	0.45	218	2.11	14.77	0.49	0.45	264	2.11	14.73	0.49	0.45	258	2.11	14.77	0.49	0.45	282	2.11	14.75	0.49	0.45	248	2.11	14.72	0.49	0.45
19	R5_Internal Road	244	2.11	14.77	0.49	0.45	218	2.11	14.77	0.49	0.45	264	2.11	14.73	0.49	0.45	258	2.11	14.77	0.49	0.45	282	2.11	14.75	0.49	0.45	248	2.11	14.72	0.49	0.45
20	R6_Internal Road	27	2.11	14.76	0.49	0.45	25	2.12	14.66	0.49	0.45	29	2.10	14.85	0.49	0.45	28	2.10	14.81	0.49	0.45	31	2.12	14.65	0.49	0.45	27	2.11	14.76	0.49	0.45
21	R7_Internal Road	25	2.12	14.66	0.49	0.45	23	2.13	14.55	0.48	0.44	27	2.11	14.76	0.49	0.45	26	2.11	14.71	0.49	0.45	29	2.13	14.56	0.48	0.44	25	2.12	14.66	0.49	0.45
22	R9_Internal Road	2	1.96	15.99	0.53	0.49	2	1.96	15.99	0.53	0.49	2	1.96	15.99	0.53	0.49	2	1.96	15.99	0.53	0.49	2	1.96	15.99	0.53	0.49	2	1.96	15.99	0.53	0.49
23	R10_Internal Road	217	2.11	14.77	0.49	0.45	193	2.10	14.79	0.49	0.45	235	2.11	14.72	0.49	0.45	230	2.11	14.76	0.49	0.45	251	2.11	14.77	0.49	0.45	221	2.11	14.71	0.49	0.45
24	R11_Internal Road	80	1.92	12.40	0.21	0.19	80	1.92	12.40	0.21	0.19	80	1.92	12.40	0.21	0.19	80	1.92	12.40	0.21	0.19	80	1.92	12.40	0.21	0.19	80	1.92	12.40	0.21	0.19
25	R12_Internal Road	142	1.92	12.40	0.21	0.19	142	1.92	12.40	0.21	0.19	142	1.92	12.40	0.21	0.19	142	1.92	12.40	0.21	0.19	142	1.92	12.40	0.21	0.19	142	1.92	12.40	0.21	0.19
26	R13_Internal Road	150	1.92	12.40	0.21	0.19	150	1.92	12.40	0.21	0.19	150	1.92	12.40	0.21	0.19	150	1.92	12.40	0.21	0.19	150	1.92	12.40	0.21	0.19	150	1.92	12.40	0.21	0.19
27	R14_Internal Road	74	1.92	12.40	0.21	0.19	74	1.92	12.40	0.21	0.19	74	1.92	12.40	0.21	0.19	74	1.92	12.40	0.21	0.19	74	1.92	12.40	0.21	0.19	74	1.92	12.40	0.21	0.19
28	R15_Internal Road	74	1.92	12.40	0.21	0.19	74	1.92	12.40	0.21	0.19	74	1.92	12.40	0.21	0.19	74	1.92	12.40	0.21	0.19	74	1.92	12.40	0.21	0.19	74	1.92	12.40	0.21	0.19
29	R17_Internal Road	74	1.92	12.40	0.21	0.19	74	1.92	12.40	0.21	0.19	74	1.92	12.40	0.21	0.19	74	1.92	12.40	0.21	0.19	74	1.92	12.40	0.21	0.19	74	1.92	12.40	0.21	0.19
30	R19_Internal Road	166	1.92	12.40	0.21	0.19	166	1.92	12.40	0.21	0.19	166	1.92	12.40	0.21	0.19	166	1.92	12.40	0.21	0.19	166	1.92	12.40	0.21	0.19	166	1.92	12.40	0.21	0.19
31	R20_Internal Road	8	1.92	12.40	0.21	0.19	8	1.92	12.40	0.21	0.19	8	1.92	12.40	0.21	0.19	8	1.92	12.40	0.21	0.19	8	1.92	12.40	0.21	0.19	8	1.92	12.40	0.21	0.19
32	R21_Internal Road	274	1.92	12.40	0.21	0.19	274	1.92	12.40	0.21	0.19	274	1.92	12.40	0.21	0.19	274	1.92	12.40	0.21	0.19	274	1.92	12.40	0.21	0.19	274	1.92	12.40	0.21	0.19
33	R22_Internal Road	148	1.92	12.40	0.21	0.19	148	1.92	12.40	0.21	0.19	148	1.92	12.40	0.21	0.19	148	1.92	12.40	0.21	0.19	148	1.92	12.40	0.21	0.19	148	1.92	12.40	0.21	0.19
34	R25_Internal Road	17	1.96	15.99	0.53	0.49	17	1.96	15.99	0.53	0.49	17	1.96	15.99	0.53	0.49	17	1.96	15.99	0.53	0.49	17	1.96	15.99	0.53	0.49	17	1.96	15.99	0.53	0.49
35	R26_Internal Road	17	1.96	15.99	0.53	0.49	17	1.96	15.99	0.53	0.49	17	1.96	15.99	0.53	0.49	17	1.96	15.99	0.53	0.49	17	1.96	15.99	0.53	0.49	17	1.96	15.99	0.53	0.49
36	R27_Internal Road	17	1.96	15.99	0.53	0.49	17	1.96	15.99	0.53	0.49	17	1.96	15.99	0.53	0.49	17	1.96	15.99	0.53	0.49	17	1.96	15.99	0.53	0.49	17	1.96	15.99	0.53	0.49
37	R28_Internal Road	17	1.96	15.99	0.53	0.49	17	1.96	15.99	0.53	0.49	17	1.96	15.99	0.53	0.49	17	1.96	15.99	0.53	0.49	17	1.96	15.99	0.53	0.49	17	1.96	15.99	0.53	0.49

Ref.	Road Name	18:00 - 19:00					19:00 - 20:00					20:00 - 21:00					21:00 - 22:00					22:00 - 23:00					23:00 - 24:00				
		Traffic flow (Veh/hr)	NO2 Total composite emission factor (g/Veh/mile)	NO Total composite emission factor (g/Veh/mile)	PM10 Total composite emission factor (g/Veh/mile)	PM2.5 Total composite emission factor (g/Veh/mile)	Traffic flow (Veh/hr)	NO2 Total composite emission factor (g/Veh/mile)	NO Total composite emission factor (g/Veh/mile)	PM10 Total composite emission factor (g/Veh/mile)	PM2.5 Total composite emission factor (g/Veh/mile)	Traffic flow (Veh/hr)	NO2 Total composite emission factor (g/Veh/mile)	NO Total composite emission factor (g/Veh/mile)	PM10 Total composite emission factor (g/Veh/mile)	PM2.5 Total composite emission factor (g/Veh/mile)	Traffic flow (Veh/hr)	NO2 Total composite emission factor (g/Veh/mile)	NO Total composite emission factor (g/Veh/mile)	PM10 Total composite emission factor (g/Veh/mile)	PM2.5 Total composite emission factor (g/Veh/mile)	Traffic flow (Veh/hr)	NO2 Total composite emission factor (g/Veh/mile)	NO Total composite emission factor (g/Veh/mile)	PM10 Total composite emission factor (g/Veh/mile)	PM2.5 Total composite emission factor (g/Veh/mile)	Traffic flow (Veh/hr)	NO2 Total composite emission factor (g/Veh/mile)	NO Total composite emission factor (g/Veh/mile)	PM10 Total composite emission factor (g/Veh/mile)	PM2.5 Total composite emission factor (g/Veh/mile)
1	TM1_Lung Mun Road	1338	0.70	4.29	0.13	0.12	612	0.32	2.11	0.05	0.05	518	0.32	2.13	0.05	0.05	226	0.36	2.34	0.06	0.06	141	0.39	2.53	0.07	0.06	98	0.49	2.94	0.09	0.08
2	TM2_Unnamed Road to River Trade Terminal	431	1.36	9.41	0.31	0.28	29	0.37	2.42	0.06	0.06	24	0.45	2.72	0.07	0.07	19	0.48	2.68	0.07	0.06	17	0.34	2.05	0.05	0.04	13	0.32	2.11	0.05	0.04
3	TM3_Lung Mun Road	907	0.61	3.38	0.09	0.08	583	0.32	2.11	0.05	0.05	494	0.31	2.04	0.05	0.04	207	0.37	2.41	0.06	0.06	124	0.42	2.71	0.07	0.07	85	0.53	3.20	0.09	0.09
4	TM5_Lung Mun Road	798	0.57	3.01	0.08	0.07	552	0.35	2.34	0.06	0.05	468	0.36	2.37	0.06	0.05	186	0.39	2.51	0.07	0.06	104	0.47	2.97	0.08	0.08	71	0.61	3.59	0.11	0.10
5	TM7_Siu Lang Shui Road	31	0.68	3.17	0.08	0.08	14	0.42	2.70	0.07	0.07	3	0.47	4.12	0.14	0.13	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
6	TM8_Unnamed Road to Cemetery	5	0.56	1.88	0.04	0.04	3	0.08	1.29	0.01	0.01	0	0.00	0.00	0.00	0.00	1	0.01	0.11	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
7	TM9_Siu Lang Shui Road	36	0.68	3.06	0.08	0.07	17	0.36	2.50	0.06	0.06	3	0.48	4.19	0.14	0.13	1	0.01	0.12	0.01	0.01	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
8	TM10_Lung Fat Street	36	0.68	3.06	0.08	0.07	17	0.36	2.50	0.06	0.06	3	0.48	4.19	0.14	0.13	1	0.01	0.12	0.01	0.01	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
9	TM11_Lung Mun Road	688	0.57	2.95	0.08	0.07	478	0.35	2.26	0.06	0.05	420	0.36	2.32	0.06	0.05	168	0.43	2.69	0.07	0.07	91	0.53	3.31	0.10	0.09	69	0.62	3.69	0.11	0.10
10	TM12_Unnamed Road to EcoPark	74	0.50	3.54	0.10	0.09	57	0.41	3.08	0.08	0.08	45	0.38	2.87	0.08	0.07	17	0.06	1.10	0.02	0.02	13	0.02	0.74	0.00	0.00	2	0.01	0.13	0.01	0.01
11	TM13_Lung Yiu Street	112	0.61	3.18	0.08	0.08	64	0.28	1.82	0.04	0.04	35	0.33	1.98	0.05	0.04	16	0.34	2.15	0.05	0.04	13	0.14	1.17	0.02	0.02	4	0.32	1.80	0.04	0.04
12	TM14_Lung Mun Road	576	0.57	2.91	0.08	0.07	414	0.36	2.33	0.06	0.05	385	0.36	2.35	0.06	0.05	152	0.45	2.79	0.08	0.07	78	0.60	3.70	0.11	0.10	65	0.64	3.83	0.12	0.11
13	TM15_Lung Yiu Street	54	0.64	3.15	0.09	0.08	22	0.22	1.44	0.03	0.03	12	0.34	1.88	0.05	0.04	5	0.24	1.64	0.03	0.03	10	0.15	1.15	0.02	0.02	4	0.29	1.61	0.04	0.03
14	TM16_Lung Hong Street	58	0.37	2.12	0.05	0.04	42	0.25	1.63	0.03	0.03	23	0.25	1.58	0.03	0.03	11	0.31	1.94	0.04	0.04	3	0.01	0.57	0.00	0.00	0	0.00	0.00	0.00	0.00
15	R1_Internal Road	89	2.11	14.78	0.49	0.45	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
16	R2_Internal Road	89	2.11	14.78	0.49	0.45	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
17	R3_Internal Road	89	2.11	14.78	0.49	0.45	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
18	R4_Internal Road	89	2.11	14.78	0.49	0.45	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
19	R5_Internal Road	89	2.11	14.78	0.49	0.45	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
20	R6_Internal Road	12	2.13	14.61	0.49	0.45	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
21	R7_Internal Road	10	2.16	14.33	0.48	0.44	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
22	R9_Internal Road	2	1.96	15.99	0.53	0.49	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
23	R10_Internal Road	77	2.10	14.81	0.49	0.45	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
24	R11_Internal Road	80	1.92	12.40	0.21	0.19	80	1.92	12.40	0.21	0.19	80	1.92	12.40	0.21	0.19	80	1.92	12.40	0.21	0.19	80	1.92	12.40	0.21	0.19	80	1.92	12.40	0.21	0.19
25	R12_Internal Road	142	1.92	12.40	0.21	0.19	142	1.92	12.40	0.21	0.19	142	1.92	12.40	0.21	0.19	142	1.92	12.40	0.21	0.19	142	1.92	12.40	0.21	0.19	0	0.00	0.00	0.00	0.00
26	R13_Internal Road	150	1.92	12.40	0.21	0.19	150	1.92	12.40	0.21	0.19	150	1.92	12.40	0.21	0.19	150	1.92	12.40	0.21	0.19	150	1.92	12.40	0.21	0.19	0	0.00	0.00	0.00	0.00
27	R14_Internal Road	74	1.92	12.40	0.21	0.19	74	1.92	12.40	0.21	0.19	74	1.92	12.40	0.21	0.19	74	1.92	12.40	0.21	0.19	74	1.92	12.40	0.21	0.19	66	1.92	12.40	0.21	0.19
28	R15_Internal Road	74	1.92	12.40	0.21	0.19	74	1.92	12.40	0.21	0.19	74	1.92	12.40	0.21	0.19	74	1.92	12.40	0.21	0.19	74	1.92	12.40	0.21	0.19	66	1.92	12.40	0.21	0.19
29	R17_Internal Road	74	1.92	12.40	0.21	0.19	74	1.92	12.40	0.21	0.19	74	1.92	12.40	0.21	0.19	74	1.92	12.40	0.21	0.19	74	1.92	12.40	0.21	0.19	66	1.92	12.40	0.21	0.19
30	R19_Internal Road	166	1.92	12.40	0.21	0.19	166	1.92	12.40	0.21	0.19	166	1.92	12.40	0.21	0.19	166	1.92	12.40	0.21	0.19	166	1.92	12.40	0.21	0.19	0	0.00	0.00	0.00	0.00
31	R20_Internal Road	8	1.92	12.40	0.21	0.19	8	1.92	12.40	0.21	0.19	8	1.92	12.40	0.21	0.19	8	1.92	12.40	0.21	0.19	8	1.92	12.40	0.21	0.19	0	0.00	0.00	0.00	0.00
32	R21_Internal Road	274	1.92	12.40	0.21	0.19	274	1.92	12.40	0.21	0.19	274	1.92	12.40	0.21	0.19	274	1.92	12.40	0.21	0.19	274	1.92	12.40	0.21	0.19	132	1.92	12.40	0.21	0.19
33	R22_Internal Road	148	1.92	12.40	0.21	0.19	148	1.92	12.40	0.21	0.19	148	1.92	12.40	0.21	0.19	148	1.92	12.40	0.21	0.19	148	1.92	12.40	0.21	0.19	132	1.92	12.40	0.21	0.19
34	R25_Internal Road	17	1.96	15.99	0.53	0.49	17	1.96	15.99	0.53	0.49	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
35	R26_Internal Road	17	1.96	15.99	0.53	0.49	17	1.96	15.99	0.53	0.49	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
36	R27_Internal Road	17	1.96	15.99	0.53	0.49	17	1.96	15.99	0.53	0.49	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
37	R28_Internal Road	17	1.96	15.99	0.53	0.49	17	1.96	15.99	0.53	0.49	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:

(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.

(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Oxide	TM1	1	1	17	76	52	61	0.0449	0.5841	1.1185	0.962	1.2894	1.6635	2.762		1.0524	0.3562	0.6696	1.3159	2.5231	4.3697	3.5443	3.3025	0.3275	1.16331	1.87631
Nitrogen Oxide	TM1	1	2	17	77	53	33	0.0447	0.5779	1.1079	0.9518	1.2751	1.6426	2.7239		1.0414	0.3517	0.6606	1.2969	2.4908	4.3076	3.4966	3.2868	0.3255	0.95083	1.5336
Nitrogen Oxide	TM1	1	3	17	77	53	30	0.0447	0.5779	1.1079	0.9518	1.2751	1.6426	2.7239		1.0414	0.3517	0.6606	1.2969	2.4908	4.3076	3.4966	3.2868	0.3255	1.02599	1.65483
Nitrogen Oxide	TM1	1	4	17	77	53	24	0.0447	0.5779	1.1079	0.9518	1.2751	1.6426	2.7239		1.0414	0.3517	0.6606	1.2969	2.4908	4.3076	3.4966	3.2868	0.3255	1.09226	1.76171
Nitrogen Oxide	TM1	1	5	17	78	53	24	0.0445	0.5757	1.1057	0.9501	1.2724	1.6389	2.7181		1.0378	0.3508	0.6589	1.2941	2.4854	4.2984	3.4892	3.2797	0.3243	1.02293	1.64989
Nitrogen Oxide	TM1	1	6	17	77	53	47	0.0447	0.5779	1.1079	0.9518	1.2751	1.6426	2.7239		1.0414	0.3517	0.6606	1.2969	2.4908	4.3076	3.4966	3.2868	0.3255	0.90868	1.46561
Nitrogen Oxide	TM1	1	7	16	77	51	113	0.0466	0.6067	1.1376	0.978	1.3122	1.6976	2.819		1.0811	0.3642	0.6848	1.3438	2.5724	4.4616	3.6162	3.3392	0.3359	1.09746	1.7701
Nitrogen Oxide	TM1	1	8	17	77	35	331	0.0529	0.6839	1.3412	1.183	1.554	2.0608	3.5664		1.275	0.4504	0.8519	1.699	3.1522	5.69	4.5295	4.3736	0.348	1.24119	2.00192
Nitrogen Oxide	TM1	1	9	17	73	28	1367	0.0595	0.7575	1.5114	1.3553	1.7483	2.3541	4.1941		1.4517	0.5341	0.9881	1.9813	3.6116	6.7223	5.2854	5.2577	0.3694	1.42604	2.30014
Nitrogen Oxide	TM1	1	10	19	69	27	1643	0.0576	0.7294	1.5183	1.3672	1.7575	2.3646	4.25		1.4331	0.5369	0.9942	2.0041	3.6426	6.8169	5.3486	5.3458	0.358	1.42774	2.30174
Nitrogen Oxide	TM1	1	11	20	64	35	1561	0.0507	0.6523	1.3348	1.1807	1.5509	2.0512	3.5591		1.2487	0.4466	0.8466	1.6955	3.1457	5.6784	4.5203	4.3646	0.3379	2.24024	3.61329
Nitrogen Oxide	TM1	1	12	21	62	41	1464	0.0467	0.6035	1.2306	1.0788	1.4298	1.8682	3.184		1.1309	0.4017	0.7611	1.521	2.859	5.0629	4.0632	3.8357	0.322	1.98426	3.20042
Nitrogen Oxide	TM1	1	13	21	61	42	1353	0.0464	0.6	1.2199	1.0676	1.4173	1.8491	3.1428		1.1218	0.3971	0.7521	1.5016	2.828	4.9947	4.0133	3.7749	0.3221	1.9979	3.22242
Nitrogen Oxide	TM1	1	14	21	62	44	1281	0.0452	0.5862	1.1904	1.0389	1.3823	1.7974	3.0405		1.0907	0.3849	0.7285	1.4527	2.7466	4.8274	3.8873	3.6307	0.3181	1.92255	3.10088
Nitrogen Oxide	TM1	1	15	21	62	41	1501	0.0467	0.6035	1.2306	1.0788	1.4298	1.8682	3.184		1.1309	0.4017	0.7611	1.521	2.859	5.0629	4.0632	3.8357	0.322	2.03637	3.28446
Nitrogen Oxide	TM1	1	16	21	63	41	1480	0.0465	0.6008	1.2275	1.0761	1.4257	1.8626	3.1751		1.1258	0.4004	0.7587	1.5167	2.851	5.0487	4.0519	3.8249	0.3203	2.03078	3.27546
Nitrogen Oxide	TM1	1	17	20	67	34	1486	0.0506	0.6512	1.3437	1.1909	1.5603	2.0668	3.6016		1.2524	0.4509	0.8545	1.7143	3.1731	5.7497	4.5698	4.4303	0.3352	2.30102	3.71132
Nitrogen Oxide	TM1	1	18	19	72	29	1437	0.055	0.7015	1.4559	1.3063	1.6858	2.2576	4.0137		1.3664	0.5092	0.9434	1.8991	3.4715	6.4286	5.0645	5.015	0.3483	2.50762	4.04456
Nitrogen Oxide	TM1	1	19	18	74	31	1338	0.0547	0.703	1.4154	1.2587	1.6401	2.1909	3.858		1.3421	0.483	0.9131	1.8305	3.3629	6.1709	4.8798	4.7898	0.3507	2.28854	3.69119
Nitrogen Oxide	TM1	1	20	18	74	40	612	0.0489	0.6321	1.2516	1.0965	1.4514	1.9048	3.2469		1.1723	0.4118	0.7789	1.5007	2.9088	5.1656	4.1406	3.9229	0.3338	1.10124	1.77619
Nitrogen Oxide	TM1	1	21	18	75	40	518	0.0487	0.6296	1.2489	1.0942	1.4481	1.9002	3.2395		1.168	0.4107	0.7768	1.5471	2.9022	5.1538	4.1311	3.914	0.3325	1.09852	1.77152
Nitrogen Oxide	TM1	1	22	18	76	50	226	0.0441	0.5725	1.1229	0.9699	1.2991	1.6781	2.799		1.0439	0.3585	0.6758	1.3349	2.5512	4.4318	3.589	3.284	0.3197	1.21949	1.96692
Nitrogen Oxide	TM1	1	23	18	75	51	141	0.0439	0.5706	1.1164	0.963	1.2899	1.6642	2.771		1.0392	0.3555	0.6696	1.3209	2.5286	4.3856	3.5545	3.2824	0.3202	1.32899	2.14353
Nitrogen Oxide	TM1	1	24	17	76	52	98	0.0449	0.5841	1.1185	0.962	1.2894	1.6635	2.762		1.0524	0.3562	0.6696	1.3159	2.5231	4.3697	3.5443	3.3025	0.3275	1.57561	2.5413
Nitrogen Oxide	TM1	2	1	17	78	52	61	0.0446	0.5798	1.1139	0.9583	1.2839	1.656	2.7502		1.0452	0.3544	0.6664	1.3102	2.5124	4.351	3.5292	3.2884	0.325	1.15787	1.86753
Nitrogen Oxide	TM1	2	2	17	80	53	33	0.0442	0.5713	1.1011	0.9464	1.2669	1.6315	2.7064		1.0308	0.3492	0.6557	1.2886	2.4748	4.28	3.4742	3.2657	0.3219	0.94395	1.52251
Nitrogen Oxide	TM1	2	3	17	81	53	30	0.044	0.5691	1.0989	0.9446	1.2642	1.6277	2.7007		1.0271	0.3483	0.6541	1.2859	2.4695	4.2708	3.4664	3.2583	0.3206	1.01616	1.63896
Nitrogen Oxide	TM1	2	4	17	82	53	24	0.0438	0.567	1.0966	0.9428	1.2615	1.624	2.6948		1.0236	0.3474	0.6525	1.2831	2.4641	4.2617	3.4593	3.2517	0.3194	1.07938	1.74093
Nitrogen Oxide	TM1	2	5	16	83	53	24	0.0452	0.5856	1.1078	0.9507	1.2733	1.6415	2.72		1.0454	0.352	0.6605	1.2951	2.4872	4.3015	3.4917	3.2821	0.3276	1.02654	1.65571
Nitrogen Oxide	TM1	2	6	16	83	53	47	0.0452	0.5856	1.1078	0.9507	1.2733	1.6415	2.72		1.0454	0.352	0.6605	1.2951	2.4872	4.3015	3.4917	3.2821	0.3276	0.90933	1.46665
Nitrogen Oxide	TM1	2	7	16	83	51	113	0.0456	0.5941	1.1248	0.9673	1.2982	1.6763	2.7856		1.0607	0.3594	0.6756	1.3279	2.542	4.4088	3.5733	3.2998	0.3229	1.08359	1.74772
Nitrogen Oxide	TM1	2	8	17	83	35	331	0.0522	0.6735	1.3304	1.174	1.5407	2.0421	3.5361		1.2578	0.4462	0.8437	1.6844	3.1252	5.6413	4.4908	4.3363	0.3428	1.98315	3.19581
Nitrogen Oxide	TM1	2	9	18	77	28	1367	0.0566	0.7204	1.4822	1.3314	1.714	2.303	4.112		1.3986	0.5215	0.963	1.9425	3.5408	6.5906	5.1818	5.1547	0.3536	2.76792	4.46439
Nitrogen Oxide	TM1	2	10	19	73	27	1643	0.0565	0.7168	1.5044	1.3552	1.7404	2.342	4.2085		1.4109	0.5311	0.9833	1.9845	3.607	6.7503	5.2964	5.2936	0.3518	2.90802	4.69036
Nitrogen Oxide	TM1	2	11	20	70	35	1561	0.0493	0.635	1.3152	1.1641	1.5266	2.0171	3.5035		1.2177	0.4389	0.8316	1.669	3.0966	5.5897	4.4496	4.2965	0.3285	2.20435	3.55541
Nitrogen Oxide	TM1	2	12	20	68	41	1464	0.0464	0.5995	1.2251	1.0742	1.4228	1.8601	3.1687		1.1289	0.4003	0.7579	1.5137	2.8452	5.0385	4.0436	3.8172	0.322	1.97486	3.18525
Nitrogen Oxide	TM1	2	13	21	65	42	1353	0.0456	0.5897	1.2073	1.057	1.4015	1.8273	3.1077		1.1018	0.3921	0.7427	1.4848	2.7965	4.9391	3.9686	3.7328	0.3158	1.97514	3.18571
Nitrogen Oxide	TM1	2	14	21	65	44	1281	0.0447	0.5786	1.181	1.0311	1.3708	1.7815	3.015		1.076	0.3813	0.7215	1.4405	2.7236	4.787	3.8548	3.6082	0.3133	1.90459	3.07434
Nitrogen Oxide	TM1	2	15	21	66	41	1501	0.0459	0.5931	1.218	1.068	1.4137	1.846	3.1484		1.1107	0.3967	0.7514	1.504	2.827	5.0063	4.0178	3.7928	0.3155	2.01312	3.24696
Nitrogen Oxide	TM1	2	16	20	68	41	1480	0.0464	0.5995	1.2251	1.0742	1.4228	1.8601	3.1687		1.1289	0.4003	0.7579	1.5137	2.8452	5.0385	4.0436	3.8172	0.322	2.02697	3.26951
Nitrogen Oxide	TM1	2	17	20	70	34	1486	0.05	0.6427	1.3339	1.1825	1.548	2.0495	3.5733		1.2367	0.447	0.8469	1.7008	3.1481	5.7044	4.5338	4.3952	0.3304	2.28251	3.68147
Nitrogen Oxide	TM1	2	18	19	74	29	1437	0.0545	0.6953	1.4492	1.3005	1.6774	2.2458	3.9939		1.3556	0.5065	0.9381	1.8897	3.4544	6.3969	5.0395	4.9903	0.3452	2.49492	4.02407
Nitrogen Oxide	TM1	2	19	18	76	31	1338	0.0543	0.6973	1.4093	1.2536	1.6325	2.1802	3.8404		1.3323	0.4805	0.9083	1.8221	3.3475	6.1427	4.8574	4.7679	0.3478	2.27777	3.67381
Nitrogen Oxide	TM1	2	20	18	74	40	612	0.0481	0.6218	1.2408	1.0875	1.4382	1.8864	3.2172		1.1552	0.4076	0.7707	1.5366	2.8822	5.1184	4.1027	3.885	0.3294	1.09037	1.75867
Nitrogen Oxide	TM1	2	21	18	78	40	518	0.0481	0.6218	1.2408	1.0875	1.4382	1.8864	3.2172		1.1552	0.4076	0.7707	1.5366	2.8822	5.1184	4.1027	3.887	0.3284	1.1007	1.77533
Nitrogen Oxide	TM1	2	22	18	78	50	226	0.0437	0.5678	1.118	0.9659	1.2931	1.6699	2.7862		1.0361	0.3567	0.6721	1.3288	2.5396	4.4115	3.5725	3.2689	0.3171	1.21346	1.95719
Nitrogen Oxide	TM1	2	23	18	78	51	141	0.0433	0.5635	1.109	0.957	1.281	1.652	2.7518		1.0277	0.3528	0.6643	1.3118	2.5112	4.3554	3.53	3.2598	0.3164	1.31923	2.12778
Nitrogen Oxide	TM1	2	24	18	78	52	98	0.0431	0.5595	1.1005	0.9484	1.2693	1.6347	2.7189		1.02	0.3491	0.6568	1.2953	2.4838	4.3014	3.489	3.251	0.3156	1.54872	2.49793
Nitrogen Oxide	TM1	3	1	21	86	53	61	0.0378	0.4905	0.9349	0.8961	1.1912	1.5245	2.5516		0.9023	0.3251	0.6081	1.2157	2.331	4.0368	3.2744	3.051	0.2776	1.06318	1.71358
Nitrogen Oxide	TM1	3	2	20	87	53	33	0.0387	0.499	1.0401	0.899	1.1962	1.5314	2.5556		0.9216	0.3251	0.6114	1.2168	2.3368	4.0413	3.2806	3.0837	0.2823	0.87987	1.41915
Nitrogen Oxide	TM1	3	3	20	87	53	30	0.0387	0.499	1.0401	0.899	1.1962	1.5314	2.5556		0.9216	0.3251	0.6114	1.2168	2.3368	4.0413	3.2806	0.3837	0.2823	0.9499	1.5321
Nitrogen Oxide	TM1	3	4	20	87	53	24	0.0387	0.499	1.0401	0.899	1.1962	1.5314	2.5556		0.9216	0.3251	0.6114	1.2168	2.3368	4.0413	3.2806	0.3837	0.2823	1.0131	1.63403
Nitrogen Oxide	TM1	3	5	20	87	53	24	0.0387	0.499	1.0401	0.899	1.1962	1.5314	2.5556		0.9216	0.3251	0.6114	1.2168	2.3368	4.0413	3.2806	0.3837	0.2823	0.9482	1.52935
Nitrogen Oxide	TM1	3	6	20	87	53	47	0.0387	0.499	1.0401	0.899	1.1962	1.5314	2.5556		0.9216	0.3251	0.6114	1.2168	2.3368	4.0413	3.2806	0.3837	0.2823	0.8439	1.36114
Nitrogen Oxide	TM1	3	7	20	87	51	113	0.0398	0.5063	1.0562	0.915	1.2184	1.5638	2.6172		0.9354	0.3302	0.6254	1.2476	2.3883	4.1422	3.3573	3.1002	0.2856	1.00861	1.62679
Nitrogen Oxide	TM1	3	8	20	86	35	331	0.0461	0.5931	1.2639	1.1199	1.462	1.9264	3.3553		1.1349	0.4183	0.7918	1.5984	2.9656	5.3553	4.2613	4.1147	0.3036	1.15524	1.86329
Nitrogen Oxide	TM1	3	9	21	83	28	1367	0.0504	0.6385	1.4043	1.265	1.6193	2.1623	3.8848		1.2533	0.4872	0.9015	1.8351	3.3452	6.2264	4.8955	4.87	0.3107	2.60892	4.20793
Nitrogen Oxide	TM1	3	10	22	79	27	1643	0.0508	0.6424	1.4247	1.2858	1.6417	2.1954	3.9699		1.2614	0.4956	0.9171	1.8721	3.4025	6.3676	4.9961	4.9934	0.3081	2.73777	4.41577
Nitrogen Oxide	TM1	3	11	22	78	35	1561	0.0454	0.5839	1.2548	1.1122	1.4508	1.9078	3.3297		1.1077	0.4134	0.7829	1.5862	2.9429	5.3123	4.2288	4.0832	0.2941	2.09187	3.37398
Nitrogen Oxide	TM1	3	12	23	77	41	1464	0.0414	0.5348	1.149	1.0097	1.3276	1.7241	2.9568		0.9904	0.3687	0.6978	1.4125	2.6549	4.7016	3.7733	3.5619	0.2762	1.83869	2.96562
Nitrogen Oxide	TM1	3	13	23	77	42	1353	0.0413	0.5325	1.1458	1.0067	1.3231	1.7186	2.9464		0.9779	0.3634	0.6874	1.3919	2.6254	4.6252	3.7367	3.4957	0.2735	1.84257	2.97785
Nitrogen Oxide	TM1	3	14	23	77	44	1281	0.0402	0.5195	1.1112	0.9724	1.2837	1.6589	2.8235		0.9549	0.3533	0.6678	1.3491	2.5506	4.4829	3.61	3.3716	0.2728	1.78159	2.87353
Nitrogen Oxide	TM1	3	15	23	76	41	1501	0.0416	0.538	1.1526	1.0128	1.3322	1.7305	2.9669		0.996	0.3702	0.7005	1.4173	2.664	4.7176	3.7862	3.5741	0.278	1.89385	3.05459
Nitrogen Oxide	TM1	3	16	23	77	41	1480	0.0414	0.5348	1.149	1.0097	1.3276	1.7241	2.9568		0.9904	0.3687	0.6978	1.4125	2.6549	4.7016	3.7733	3.5619	0.2762	1.88742	3.04422
Nitrogen Oxide	TM1	3	17	22	79	34	1486	0.0457	0.5878	1.2689	1.1266	1.4665	1.9318	3.385		1.1191	0.4198	0.7944	1.6112	2.9823	5.4041	4.2951	4.1638	0.2941	2.15889	3.48208
Nitrogen Oxide	TM1	3	18	23	82	29	1437	0.0484	0.6159	1.3634	1.2263	1.5711	2.0894	3.7408		1.1974	0.4688	0.8678	1.7499	3.2356	5.9915	4.6202	4.4741	0.2982	2.33143	3.7604
Nitrogen Oxide	TM1	3	19	21	84	31	1338	0.0478	0.6126	1.3285	1.1856	1.5342	2.0356	3.6091		1.1835	0.4461	0.8434	1.7124	3.1459	5.7727	4.5649	4.4807	0.3026	2.13441	3.4426
Nitrogen Oxide	TM1	3	20	21	85	40	612	0.0425	0.5481	1.1709	1.0301	1.3537	1.7645	3.0283		1.0281	0.3787	0.7166	1.4463	2.713	4.8179	3.8619	3.6589	0.2863	1.01913	1.64375
Nitrogen Oxide	TM1	3	21	21	86	40	518	0.0422	0.5453	1.1676	1.0274	1.3497	1.7589	3.0193		1.0229	0.3774	0.7142	1.442	2.7049	4.8035	3.8504	3.648	0.2847	1.02603	1.65489
Nitrogen Oxide	TM1	3	22	21	86	50	226	0.0385	0.4979	1.0515	0.9126	1.2136	1.5574	2.6148		0.917	0.3301	0.6225	1.2471	2.3833	4.1401	3.3528	3.0678	0.2749	1.13094	1.82409
Nitrogen Oxide	TM1	3	23	21	85	51	141	0.0383	0.4966	1.046	0.9066	1.2059	1.5455	2.5903		0.9141	0.3275	0.6173	1.2348	2.3638	4.0998	3.3228	3.0684	0.2758	1.23475	1.99153
Nitrogen Oxide	TM1	3	24	21	85	52	98	0.0378	0.4905	1.0349	0.8961	1.1912	1.5245	2.5516		0.9023	0.3251	0.6081	1.2157	2.331	4.0368	3.2744	3.051	0.2726	1.23416	1.99145
Nitrogen Oxide	TM1	4	1	20	83	53	61	0.0395	0.5116	1.0588	0.9158	1.2205	1.5655	2.6145		0.9454	0.3325	0.6261	1.2456	2.3883	4.1362	3.3549	3.126	0.2888	1.09026	1.75848
Nitrogen Oxide	TM1	4	2	20	85	53	33	0.0391	0.5035	1.0454	0.9034	1.2029	1.5404	2.5698		0.9302	0.3271	0.6153	1.2235	2.3497	4.0638	3.2987	3.1007	0.2853	0.88528	1.42787
Nitrogen Oxide	TM1	4	3	20	84	53	30	0.0393	0.5058	1.0482	0.9056	1.2063	1.5449	2.5768		0.9344	0.3282	0.6173	1.2269	2.3562	4.0751	3.3078	3.1093	0.2867	0.9586	1.54613
Nitrogen Oxide	TM1	4	4	20	85	53	24	0.0391	0.5035	1.0454	0.9034	1.2029	1.5404	2.5698		0.9302	0.3271	0.6153	1.2235	2.3497	4.0638	3.2987	3.1007	0.2853	1.04186	1.68629
Nitrogen Oxide	TM1	4	5	19	84	53	24	0.0404	0.521	1.0629	0.9175	1.2238	1.5701	2.6145		0.9627	0.3343	0.6284	1.2448	2.3906	4.1346	3.3561	3.1546	0.2971	1.02738	1.65058
Nitrogen Oxide	TM1	4	6	19	84	53	47	0.0404	0.521	1.0629	0.9175	1.2238	1.5701	2.6145		0.9627	0.3343	0.6284	1.2448	2.3906	4.1346	3.3561	3.1546	0.2971	0.86544	1.39587
Nitrogen Oxide	TM1	4	7	20	84	51	113	0.0395	0.513	1.0643	0.9217	1.2284	1.5776	2.6389		0.9484	0.3351	0.6315	1.258	2.4081	4.1766	3.3851	3.126	0.288	1.0173	1.64081
Nitrogen Oxide	TM1	4	8	21	79	35	331	0.0464	0.5966	1.2693	1.1246	1.4689	1.9346	3.3711		1.1371	0.4197	0.795	1.6059	2.9795	5.3783	4.2814	4.134	0.3036	1.16065	1.87201
Nitrogen Oxide	TM1	4	9	22	73	28	1367	0.0515	0.6541	1.4239	1.2823	1.644	2.1956	3.944		1.2775	0.4948	0.916	1.8631	3.3963	6.3215	4.9703	4.9443	0.3168	2.64908	4.27272
Nitrogen Oxide	TM1	4	10	23	69	27	1643	0.0523	0.6614	1.4474	1.3057	1.6701	2.2341	4.0385		1.29	0.5046	0.934	1.9045	3.4614	6.4778	5.0825	5.0799	0.3154	2.7857	4.49307
Nitrogen Oxide	TM1	4	11	24	65	35	1561	0.0468	0.6012	1.2731	1.1295	1.4742	1.9417	3.3877		1.1331	0.4208	0.7975	1.6219	2.9942	5.405	4.2426	4.1545	0.3015	2.18869	3.53369
Nitrogen Oxide	TM1	4	12	24	66	41	1464	0.0431	0.5569	1.1735	1.0302	1.3581	1.7648	3.0244		1.023	0.3778	0.7152	1.4448	2.7156	4.809	3.8595	3.6434	0.2859	1.88168	3.03496
Nitrogen Oxide	TM1	4	13	24	65	42	1353	0.0429	0.5547	1.164	1.0202	1.3473	1.7484	2.9875		1.0161	0.3737	0.7074	1.4273	2.6883	4.748	3.815	3.5883	0.2866	1.89627	3.0585
Nitrogen Oxide	TM1	4	14	24	66	44	1281	0.0418	0.5409	1.135	0.9921	1.3131	1.6981	2.8881		0.9864	0.3619	0.6845	1.3799	2.6089	4.5854	3.6926	3.4487	0.2825	1.82323	2.9407
Nitrogen Oxide	TM1	4	15	24	66	41	1501	0.0431	0.5569	1.1735	1.0302	1.3581	1.7648	3.0244		1.023	0.3778	0.7152	1.4448	2.7156	4.809	3.8595	3.6434	0.2859	1.93127	3.11494
Nitrogen Oxide	TM1	4	16	24	67	41	1480	0.0429	0.5535	1.1696	1.0269	1.3532	1.7582	3.0136		1.017	0.3763	0.7124	1.4396	2.7059	4.7919	3.8458	3.6303	0.284	1.92443	3.10391
Nitrogen Oxide	TM1	4	17	23	69	34	1486	0.047	0.6052	1.2892	1.1439	1.4919	1.9659	3.4437		1.1446	0.4271	0.809	1.6191	3.0359	5.4975	4.3694	4.2359	0.3011	2.19686	3.54332
Nitrogen Oxide	TM1	4	18	22	74	29	1437	0.0505	0.6427	1.3956	1.2544	1.6115	2.1466	3.8367		1.2485	0.4822	0.8931	1.8154	3.3186	6.1453	4.8413	4.794	0.3127	2.39267	3.85915
Nitrogen Oxide	TM1	4	19	22	76	31	1338	0.0485	0.6208	1.3391	1.1948	1.5476	2.0529	3.6407		1.1938	0.4497	0.8507	1.7274	3.1734	5.8233	4.6049	4.52	0.3049	2.15317	3.47285
Nitrogen Oxide	TM1	4	20	21	79	40	612	0.

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:

(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.

(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Oxide	TM1	7	6	27	88	53	47	0.0301	0.3856	0.9061	0.7878	1.0304	1.3023	2.2012		0.694	0.2724	0.5116	1.0481	2.0128	3.481	2.8256	2.6561	0.2025	0.71898	1.15965
Nitrogen Oxide	TM1	7	7	28	86	51	113	0.0297	0.3831	0.9066	0.7898	1.0315	1.3056	2.2158		0.6826	0.2728	0.5131	1.0563	2.0221	3.507	2.8424	2.6249	0.196	0.8467	1.36564
Nitrogen Oxide	TM1	7	8	29	81	53	331	0.0353	0.4516	1.0842	0.964	1.2342	1.6025	2.8324		0.8268	0.3434	0.6486	1.3493	2.5034	4.5191	3.5973	3.4735	0.2088	0.96291	1.55308
Nitrogen Oxide	TM1	7	9	30	76	28	1367	0.0397	0.5028	1.2162	1.0972	1.3793	1.8171	3.3092		0.9342	0.4058	0.7479	1.5632	2.8495	5.3039	4.1702	4.1484	0.2194	1.21443	1.95846
Nitrogen Oxide	TM1	7	10	31	70	27	1643	0.0419	0.5288	1.2512	1.1296	1.4186	1.8749	3.4306		0.9708	0.4205	0.7746	1.6177	2.9403	5.5026	4.3174	4.3151	0.2264	1.35955	3.80573
Nitrogen Oxide	TM1	7	11	31	68	35	1561	0.0381	0.4902	1.1115	0.9856	1.2657	1.6466	2.9049		0.8669	0.3539	0.6681	1.3838	2.5674	4.6346	3.6893	3.5623	0.2208	1.82085	2.93685
Nitrogen Oxide	TM1	7	12	32	67	41	1464	0.0348	0.4498	1.0126	0.8902	1.1511	1.4794	2.5636		0.7686	0.3139	0.5914	1.2247	2.3019	4.0763	3.2715	3.0882	0.2056	1.59084	2.56588
Nitrogen Oxide	TM1	7	13	32	66	42	1353	0.035	0.4513	1.0073	0.8841	1.1457	1.4708	2.5405		0.7685	0.3117	0.5872	1.2138	2.2861	4.0376	3.2443	3.0516	0.2078	1.60878	2.59481
Nitrogen Oxide	TM1	7	14	32	66	44	1281	0.0342	0.4428	0.9854	0.8625	1.1207	1.4339	2.4648		0.7503	0.305	0.5704	1.1776	2.2265	3.9133	3.1513	2.9432	0.2062	1.55236	2.50381
Nitrogen Oxide	TM1	7	15	31	68	41	1501	0.0356	0.459	1.03	0.9033	1.1735	1.5103	2.6134		0.7961	0.3205	0.6048	1.2484	2.3465	4.1355	3.3355	3.1482	0.2143	1.66507	2.68559
Nitrogen Oxide	TM1	7	16	31	69	41	1480	0.0352	0.4534	1.0239	0.9003	1.1661	1.5	2.5969		0.7869	0.3182	0.6003	1.2405	2.3318	4.1292	3.314	3.1284	0.2114	1.65435	2.66851
Nitrogen Oxide	TM1	7	17	31	70	34	1486	0.0377	0.4839	1.1142	0.99	1.2673	1.6503	2.9252		0.8602	0.3553	0.6703	1.3924	2.5772	4.6699	3.7116	3.5982	0.216	1.86084	3.00135
Nitrogen Oxide	TM1	7	18	30	73	29	1437	0.0405	0.5146	1.2154	1.0938	1.3811	1.8175	3.2883		0.9485	0.4049	0.7472	1.5558	2.8441	5.2667	4.1492	4.1086	0.2268	2.0444	3.29741
Nitrogen Oxide	TM1	7	19	29	76	31	1338	0.0394	0.5026	1.181	1.0555	1.3459	1.7657	3.1661		0.9297	0.3833	0.7235	1.5022	2.7597	5.0642	4.0046	3.9308	0.2276	1.86645	3.0104
Nitrogen Oxide	TM1	7	20	29	79	40	612	0.0339	0.437	1.0271	0.9062	1.1711	1.5082	2.6199		0.7858	0.3199	0.6044	1.2513	2.3471	4.1681	3.341	3.1654	0.2067	1.70525	2.75005
Nitrogen Oxide	TM1	7	21	29	81	40	518	0.0332	0.4273	1.0162	0.8972	1.1578	1.4898	2.5901		0.7692	0.3158	0.5963	1.237	2.3205	4.1207	3.303	3.1294	0.2036	0.87412	1.40987
Nitrogen Oxide	TM1	7	22	29	82	50	226	0.03	0.3858	0.9097	0.7931	1.0351	1.3112	2.2301		0.681	0.2739	0.5158	1.0637	2.0328	3.5311	2.8596	2.6166	0.194	0.95563	1.54134
Nitrogen Oxide	TM1	7	23	28	83	51	141	0.0306	0.3953	0.9202	0.8011	1.0483	1.3283	2.2519		0.7035	0.2778	0.5229	1.0735	2.055	3.564	2.8886	2.6675	0.203	1.06493	1.71763
Nitrogen Oxide	TM1	7	24	28	84	52	98	0.0301	0.3883	0.9084	0.7902	1.0331	1.3068	2.213		0.691	0.2731	0.5136	1.0543	2.0216	3.5012	2.8398	2.646	0.2002	1.24683	2.01101
Nitrogen Oxide	TM1	8	1	27	90	52	61	0.0295	0.3807	0.9044	0.7877	1.0293	1.3018	2.205		0.6862	0.272	0.5113	1.0505	2.0142	3.4884	2.8295	2.6364	0.1986	0.9038	1.45775
Nitrogen Oxide	TM1	8	2	26	90	53	33	0.0308	0.3951	0.9197	0.7995	1.0478	1.3259	2.2384		0.7152	0.2777	0.5217	1.0657	2.0468	3.5399	2.8734	2.701	0.2099	0.75699	1.22095
Nitrogen Oxide	TM1	8	3	26	91	53	30	0.0305	0.3916	0.9157	0.7962	1.043	1.3193	2.2281		0.7094	0.2762	0.5189	1.0609	2.0373	3.5235	2.8601	2.6885	0.2078	0.81465	1.31396
Nitrogen Oxide	TM1	8	4	26	92	53	24	0.0302	0.3881	0.9117	0.7929	1.0381	1.3128	2.2177		0.7034	0.2747	0.5161	1.0559	2.0278	3.507	2.8468	2.676	0.2058	0.86566	1.39622
Nitrogen Oxide	TM1	8	5	26	93	53	24	0.03	0.3846	0.9077	0.7898	1.0333	1.3063	2.2073		0.6973	0.2732	0.5132	1.051	2.0183	3.4907	2.8335	2.6702	0.2057	0.80252	1.29438
Nitrogen Oxide	TM1	8	6	27	94	53	47	0.0298	0.3811	0.9037	0.7865	1.0284	1.2996	2.197		0.6912	0.2718	0.5104	1.046	2.0089	3.4743	2.8202	2.6509	0.2016	0.71683	1.15618
Nitrogen Oxide	TM1	8	7	26	93	51	113	0.0302	0.3902	0.9219	0.8037	1.0525	1.3337	2.2605		0.708	0.2791	0.5252	1.0776	2.0628	3.5777	2.8997	2.6778	0.2045	0.86339	1.39256
Nitrogen Oxide	TM1	8	8	27	87	35	331	0.0359	0.4608	1.105	0.983	1.2621	1.6414	2.8965		0.861	0.3521	0.6656	1.3798	2.5601	4.6213	3.6767	3.552	0.2192	1.08443	1.58779
Nitrogen Oxide	TM1	8	9	29	81	28	1367	0.039	0.4929	1.2131	1.0955	1.3767	1.8133	3.3028		0.9305	0.4047	0.7462	1.5602	2.8441	5.2937	4.1622	4.1405	0.2185	2.20941	3.56356
Nitrogen Oxide	TM1	8	10	30	76	27	1643	0.0404	0.5096	1.2382	1.1191	1.4037	1.8537	3.3943		0.9517	0.4152	0.7651	1.6007	2.9092	5.4445	4.2718	4.2695	0.2212	2.33336	3.76349
Nitrogen Oxide	TM1	8	11	30	73	35	1561	0.0372	0.4773	1.1053	0.9811	1.2592	1.6374	2.8898		0.8583	0.3515	0.664	1.3767	2.5541	4.6105	3.6701	3.5438	0.2182	1.81046	2.9201
Nitrogen Oxide	TM1	8	12	30	73	41	1464	0.0347	0.447	1.0241	0.9012	1.1674	1.5019	2.5998		0.7883	0.3184	0.6011	1.2419	2.3344	4.1339	3.3177	3.1319	0.2119	1.61273	2.60118
Nitrogen Oxide	TM1	8	13	30	74	42	1353	0.034	0.4375	1.0067	0.8849	1.1472	1.4727	2.5437		0.7697	0.3115	0.588	1.2153	2.2889	4.0426	3.2482	3.0553	0.2081	1.60957	2.59609
Nitrogen Oxide	TM1	8	14	30	74	44	1281	0.0333	0.4293	0.9848	0.8633	1.122	1.4358	2.4678		0.7514	0.3028	0.5711	1.1791	2.2293	3.9181	3.1552	2.9468	0.2065	1.55308	2.50497
Nitrogen Oxide	TM1	8	15	30	75	41	1501	0.0339	0.4366	1.0128	0.8917	1.1534	1.4826	2.5686		0.7708	0.314	0.5927	1.2271	2.3065	4.0845	3.278	3.0944	0.2063	1.63508	2.63723
Nitrogen Oxide	TM1	8	16	29	77	41	1480	0.0343	0.4424	1.0257	0.9032	1.1706	1.5062	2.6069		0.7919	0.3191	0.603	1.2454	2.3408	4.1451	3.3268	3.1404	0.213	1.6597	2.67694
Nitrogen Oxide	TM1	8	17	29	79	34	1486	0.0365	0.4675	1.1112	0.989	1.2659	1.6483	2.9221		0.8579	0.3544	0.6695	1.3908	2.5744	4.6648	3.7076	3.5943	0.2154	1.85752	2.996
Nitrogen Oxide	TM1	8	18	28	80	29	1437	0.0403	0.512	1.2271	1.1055	1.3979	1.8413	3.3284		0.969	0.4101	0.7577	1.5748	2.8787	5.3309	4.1997	4.1588	0.2326	2.06876	3.3367
Nitrogen Oxide	TM1	8	19	28	82	31	1338	0.0384	0.49	1.1729	1.0493	1.3368	1.7529	3.1448		0.918	0.3804	0.7178	1.4921	2.7412	5.0301	3.9776	3.9043	0.2243	1.98852	3.20788
Nitrogen Oxide	TM1	8	20	28	84	40	612	0.0336	0.4317	1.0259	0.9059	1.1705	1.5074	2.6186		0.7848	0.3197	0.604	1.2506	2.3459	4.166	3.3394	3.1638	0.2084	0.87387	1.40948
Nitrogen Oxide	TM1	8	21	27	87	40	518	0.0345	0.4443	1.0454	0.9229	1.1958	1.5423	2.675		0.8159	0.3275	0.6192	1.2776	2.3965	4.2559	3.4114	3.232	0.2182	0.90291	1.4563
Nitrogen Oxide	TM1	8	22	27	87	50	226	0.0309	0.398	0.9321	0.8128	1.0646	1.3514	2.2937		0.7172	0.2828	0.5329	1.094	2.0908	3.6319	2.9412	2.6913	0.2062	0.98329	1.58595
Nitrogen Oxide	TM1	8	23	27	88	51	141	0.0303	0.3912	0.9203	0.8018	1.0494	1.3298	2.2542		0.7046	0.2781	0.5235	1.0746	2.0571	3.5678	2.8917	2.6703	0.2034	1.06543	1.71843
Nitrogen Oxide	TM1	8	24	27	89	52	98	0.0298	0.3845	0.9087	0.7911	1.0345	1.3088	2.2161		0.6927	0.2735	0.5144	1.0558	2.0244	3.506	2.8438	2.6498	0.2007	1.24824	2.0133
Nitrogen Oxide	TM1	9	1	27	89	52	61	0.0298	0.3845	0.9087	0.7911	1.0343	1.3088	2.2161		0.6927	0.2735	0.5144	1.0558	2.0244	3.506	2.8438	2.6498	0.2007	0.90888	1.46593
Nitrogen Oxide	TM1	9	2	26	89	53	33	0.0311	0.3986	0.9236	0.8027	1.0527	1.3325	2.2488		0.7216	0.2791	0.5246	1.0707	2.0563	3.5563	2.8867	2.7134	0.2119	0.76097	1.22738
Nitrogen Oxide	TM1	9	3	26	91	53	30	0.0305	0.3916	0.9157	0.7962	1.043	1.3193	2.2281		0.7094	0.2762	0.5189	1.0609	2.0373	3.5235	2.8601	2.6885	0.2078	0.81465	1.31396
Nitrogen Oxide	TM1	9	4	26	92	53	24	0.0302	0.3881	0.9117	0.7929	1.0381	1.3128	2.2177		0.7034	0.2747	0.5161	1.0559	2.0278	3.507	2.8468	2.676	0.2058	0.86566	1.39622
Nitrogen Oxide	TM1	9	5	26	92	53	24	0.0302	0.3881	0.9117	0.7929	1.0381	1.3128	2.2177		0.7034	0.2747	0.5161	1.0559	2.0278	3.507	2.8468	2.676	0.2058	0.8068	1.30128
Nitrogen Oxide	TM1	9	6	26	93	53	47	0.03	0.3846	0.9077	0.7898	1.0333	1.3063	2.2073		0.6973	0.2732	0.5132	1.051	2.0183	3.4907	2.8335	2.6702	0.2057	0.77205	1.1621
Nitrogen Oxide	TM1	9	7	26	93	51	113	0.0302	0.3902	0.9219	0.8037	1.0523	1.3337	2.2605		0.708	0.2791	0.5252	1.0776	2.0628	3.5777	2.8997	2.6778	0.2045	0.86339	1.39256
Nitrogen Oxide	TM1	9	8	27	88	35	331	0.0357	0.4562	1.1	0.9787	1.2558	1.6327	2.8821		0.8532	0.3501	0.6618	1.3729	2.5473	4.5982	3.6603	3.5344	0.2168	0.97905	1.57911
Nitrogen Oxide	TM1	9	9	28	83	28	1367	0.0398	0.5032	1.2306	1.1112	1.3993	1.8453	3.3571		0.9586	0.4121	0.7603	1.5859	2.8907	5.3807	4.2306	4.2084	0.2263	2.24629	3.62304
Nitrogen Oxide	TM1	9	10	29	78	27	1643	0.041	0.5168	1.2546	1.1342	1.4252	1.8842	3.4463		0.9783	0.4221	0.7786	1.6252	2.9538	5.5279	4.3372	4.335	0.2285	2.36948	3.82173
Nitrogen Oxide	TM1	9	11	29	76	35	1561	0.0373	0.4777	1.1129	0.9883	1.2697	1.6521	2.9139		0.8712	0.3546	0.6704	1.3881	2.5755	4.6491	3.7008	3.5734	0.2221	1.82542	2.94423
Nitrogen Oxide	TM1	9	12	29	76	41	1464	0.0347	0.4473	1.031	0.9077	1.1772	1.5153	2.6215		0.8001	0.3212	0.607	1.2523	2.3539	4.1685	3.3455	3.158	0.2156	1.62599	2.62257
Nitrogen Oxide	TM1	9	13	30	75	42	1353	0.0336	0.4323	1.0012	0.8803	1.1402	1.4632	2.5283		0.7611	0.3094	0.5838	1.208	2.2751	4.0183	3.2287	3.0369	0.2055	1.59955	2.57992
Nitrogen Oxide	TM1	9	14	29	75	44	1281	0.034	0.4393	1.0022	0.8785	1.1445	1.4668	2.5174		0.7792	0.3095	0.5845	1.2027	2.2741	3.9968	3.2186	3.006	0.2155	1.58469	2.55595
Nitrogen Oxide	TM1	9	15	29	77	41	1501	0.0343	0.4424	1.0257	0.9032	1.1706	1.5062	2.6069		0.7919	0.3191	0.603	1.2454	2.3408	4.1451	3.3268	3.1404	0.213	1.65957	2.67672
Nitrogen Oxide	TM1	9	16	29	77	41	1480	0.0347	0.4473	1.031	0.9077	1.1772	1.5153	2.6215		0.8001	0.3212	0.607	1.2523	2.3539	4.1685	3.3455	3.158	0.2156	1.6693	2.69242
Nitrogen Oxide	TM1	9	17	29	78	34	1486	0.0369	0.4729	1.117	0.994	1.2731	1.6584	2.9387		0.8669	0.3566	0.6738	1.3988	2.589	4.6913	3.7286	3.6146	0.218	1.8684	3.01355
Nitrogen Oxide	TM1	9	18	28	81	29	1437	0.0399	0.507	1.2212	1.1004	1.3905	1.8311	3.3109		0.9598	0.4077	0.7531	1.5657	2.8617	5.3083	4.1737	4.1357	0.2298	2.31872	3.73576
Nitrogen Oxide	TM1	9	19	27	84	31	1338	0.0391	0.4988	1.1888	1.0638	1.3578	1.7826	3.1942		0.9441	0.3871	0.7309	1.5156	2.7843	5.1091	4.0401	3.9657	0.2318	1.88234	3.03603
Nitrogen Oxide	TM1	9	20	27	86	40	612	0.0342	0.4401	1.0407	0.9189	1.1899	1.5341	2.6618		0.8085	0.3256	0.6156	1.2713	2.3847	4.2348	3.3945	3.216	0.2159	0.88839	1.43289
Nitrogen Oxide	TM1	9	21	27	87	40	518	0.034	0.4358	1.0359	0.9149	1.184	1.526	2.6487		0.8012	0.3238	0.6121	1.265	2.3729	4.2139	3.3777	3.2001	0.2136	0.89341	1.44098
Nitrogen Oxide	TM1	9	22	27	89	50	226	0.0302	0.3903	0.9235	0.8057	1.054	1.337	2.2709		0.704	0.2796	0.5267	1.0831	2.0699	3.5957	2.9119	2.6645	0.2017	0.9727	1.56887
Nitrogen Oxide	TM1	9	23	27	89	51	141	0.0303	0.3912	0.9216	0.7983	1.0441	1.3227	2.243		0.6982	0.2766	0.5204	1.0693	2.0468	3.55	2.8773	2.6569	0.2012	1.05977	1.7093
Nitrogen Oxide	TM1	9	24	26	89	52	98	0.0311	0.4015	0.9307	0.8097	1.0622	1.3464	2.2754		0.727	0.2823	0.5306	1.084	2.0785	3.5997	2.9199	2.7206	0.2124	1.28301	2.06937
Nitrogen Oxide	TM1	10	1	24	74	52	61	0.0372	0.4815	1.0244	0.8873	1.1782	1.5036	2.5239		0.8712	0.3176	0.5983	1.2025	2.3056	3.9929	3.2387	3.0178	0.2612	1.04735	1.68927
Nitrogen Oxide	TM1	10	2	23	74	53	33	0.0381	0.4911	1.0325	0.8927	1.1871	1.5154	2.536		0.8939	0.3208	0.6036	1.2074	2.3189	4.0104	3.2553	3.06	0.2711	0.87062	1.40422
Nitrogen Oxide	TM1	10	3	23	74	53	30	0.0381	0.4911	1.0325	0.8927	1.1871	1.5154	2.536		0.8939	0.3208	0.6036	1.2074	2.3189	4.0104	3.2553	3.06	0.2711	0.94044	1.51684
Nitrogen Oxide	TM1	10	4	23	75	53	24	0.0379	0.4883	1.0292	0.89	1.1831	1.51	2.5273		0.8888	0.3195	0.6013	1.2034	2.311	3.9968	3.2443	3.0496	0.2694	0.99928	1.61174
Nitrogen Oxide	TM1	10	5	23	75	53	24	0.0381	0.4911	1.0325	0.8927	1.1871	1.5154	2.536		0.8939	0.3208	0.6036	1.2074	2.3189	4.0104	3.2553	3.06	0.2711	0.93838	1.51351
Nitrogen Oxide	TM1	10	6	23	75	53	47	0.0379	0.4883	1.0292	0.89	1.1831	1.51	2.5273		0.8888	0.3195	0.6013	1.2034	2.311	3.9968	3.2443	3.0496	0.2694	0.83301	1.34356
Nitrogen Oxide	TM1	10	7	23	75	51	113	0.0382	0.4954	1.0451	0.9058	1.2049	1.542	2.5882		0.9021	0.3262	0.6151	1.2338	2.3619	4.0965	3.3201	3.066	0.2706	0.99602	1.60649
Nitrogen Oxide	TM1	10	8	23	72	35	331	0.0457	0.5879	1.2594	1.1161	1.4566	1.9143	3.3428		1.1085	0.4146	0.7855	1.5925	2.9545	5.3332	4.2455	4.0994	0.2938	1.14958	1.85415
Nitrogen Oxide	TM1	10	9	24	69	28	1367	0.0502	0.6327	1.4021	1.263	1.6165	2.1534	3.8781		1.2293	0.4845	0.8967	1.832	3.3394	6.2157	4.887	4.8615	0.3021	2.60316	4.19864
Nitrogen Oxide	TM1	10	10	25	64	27	1643	0.0516	0.6526	1.4322	1.2916	1.65	2.2001	3.9901		1.2589	0.4957	0.9203	1.8816	3.4199	6.4	5.0234	5.0189	0.3063	2.75153	4.43796
Nitrogen Oxide	TM1	10	11	26	61	35	1561	0.0459	0.5903	1.2547	1.1105	1.4485	1.9018	3.3244		1.0937	0.4111	0.7798	1.5837	2.9382	5.3038	4.222	4.0767	0.2888	2.08855	3.36863
Nitrogen Oxide	TM1	10	12	27	60	41	1464	0.0423	0.5461	1.1513	1.0095	1.3275	1.7228	2.9565		0.9863	0.3676	0.6971	1.4123	2.6546	4.701	3.7728	3.5615	0.2744	1.83932	2.96665
Nitrogen Oxide	TM1	10	13	27	59	42	1353	0.0421	0.5447	1.1429	1.0005	1.3181	1.7083	2.9228		0.9811	0.364	0.6901	1.3965	2.6301	4.6452	3.7324	3.5106	0.2754	1.85514	2.99217
Nitrogen Oxide	TM1	10	14	27	59	44	1281	0.0414	0.5344	1.1181	0.9761	1.2892	1.6654	2.8356		0.958	0.3539	0.6705	1.3548	2.5615	4.5021	3.6255	3.386	0.2732	1.79021	2.88743
Nitrogen Oxide	TM1	10	15	27	60	41	1501	0.0423	0.5461	1.1513	1.0095	1.3275	1.7228	2.9565		0.9863	0.3676	0.6971	1.4123	2.6546	4.701	3.7728	3.5615	0.2744	1.88729	3.04482
Nitrogen Oxide	TM1	10	16	27	62	41	1480	0.0416	0.5377	1.1419	1.0016	1.3159	1.7067	2.9304		0.9718	0.3641	0.6901	1.3998	2.6313	4.6597	3.7397	3.5303	0.2697	1.87738	3.01738
Nitrogen Oxide	TM1	10	17	26	65	34	1486	0.0451	0.5804	1.2531	1.1116	1.4448	1.8986	3.335		1.0808	0.411	0.7794	1.5875	2.9382	5.3242	4.2316	4.1023	0.2816	2.12625	3.42943
Nitrogen Oxide	TM1	10	18	25	67	29	1437	0.0489	0.6233	1.3681	1.2206	1.576	2.0933	3.7525		1.1913	0.469	0.869	1.7755	3.2456	6.0103	4.735	4.6886	0.2954	2.33861	3.77194
Nitrogen Oxide	TM1	10	19	25	69	31	1338	0.0469	0.6001	1.311	1.1697	1.5114	1.9989	3.5554		1.136	0.4367	0.8263	1.6869	3.0991	5.6868	4.497	4.4141	0.2871	2.1012	3.38903
Nitrogen Oxide	TM1	10	20	25	71	40	612	0.0413	0.5322	1.1502	1.012	1.3271	1.7239	2.9688		0.9784	0.3686	0.6981	1.418	2.6598	4.7233	3.7861	3.587	0.269	0.99785	1.60944
Nitrogen Oxide	TM1	10	21	24	71	40	518	0.0423	0.5455	1.1676	1.0273	1.3497	1.755	3.0193		1.006	0.3759	0.7116	1.442	2.7049	4.8035	3.8503	3.6479	0.2778	1.02563	1.65424
Nitrogen Oxide	TM1	10	22	24	72	50	226	0.0385	0.4981	1.0515	0.9125	1.2132	1.574	2.6147		0.9017	0.3296	0.6202	1.2471	2.3833	4.14	3.3528	3.0678	0.2681	1.13015	1.82282
Nitrogen Oxide	TM1	10	23	24	72	51	141	0.0379	0.4912	1.0395	0.9012	1.1978	1.5314	2.5732		0.8888	0.3238	0.6103	1.2267	2.3482	4.0727	3.3008	3.0482	0.2655	1.22512	1.976
Nitrogen Oxide	TM1	10	24	24	72	52	98	0.0377	0.4877	1.0315	0.8931	1.1868	1.5153	2.5424		0.882	0.3203	0.6032	1.2112	2.3225	4.0222	3.2624	3.0399	0.265	1.44045	2.32331
Nitrogen Oxide	TM1	11	1	23	75	52	61	0.0399	0.

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:

(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.

(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Oxide	TM2	1	11	20	64	17	425	0.0714	0.8842	1.9086	1.7476	2.1939	3.0522	5.915		1.7568	0.6997	1.3183	2.7127	4.7507	9.5695	7.3115	7.7603	0.3884	5.11674	8.25281
Nitrogen Oxide	TM2	1	12	21	62	17	385	0.0707	0.8735	1.8985	1.7386	2.1815	3.0313	5.8818		1.7316	0.6944	1.3086	2.6975	4.7239	9.5158	7.2705	7.7167	0.3813	5.1487	8.30436
Nitrogen Oxide	TM2	1	13	21	61	17	341	0.071	0.8772	1.9033	1.743	2.1876	3.0403	5.8983		1.7392	0.6966	1.3126	2.705	4.7371	9.5423	7.2908	7.7382	0.3832	5.19742	8.38293
Nitrogen Oxide	TM2	1	14	21	62	17	347	0.0707	0.8735	1.8985	1.7386	2.1815	3.0313	5.8818		1.7316	0.6944	1.3086	2.6975	4.7239	9.5158	7.2705	7.7167	0.3813	5.14039	8.29053
Nitrogen Oxide	TM2	1	15	21	62	17	408	0.0707	0.8735	1.8985	1.7386	2.1815	3.0313	5.8818		1.7316	0.6944	1.3086	2.6975	4.7239	9.5158	7.2705	7.7167	0.3813	5.04714	8.13692
Nitrogen Oxide	TM2	1	16	21	63	17	392	0.0703	0.8697	1.8936	1.7343	2.1755	3.0223	5.8654		1.724	0.6924	1.3045	2.6899	4.7107	9.4892	7.2502	7.6951	0.3794	5.13282	8.27874
Nitrogen Oxide	TM2	1	17	20	67	17	410	0.0705	0.8719	1.8947	1.7353	2.1768	3.0268	5.8689		1.7354	0.6938	1.3069	2.6915	4.7135	9.4948	7.2545	7.6996	0.383	5.13377	8.28028
Nitrogen Oxide	TM2	1	18	19	72	17	408	0.0712	0.8821	1.894	1.7335	2.1742	3.0257	5.862		1.7419	0.694	1.3066	2.6884	4.708	9.4837	7.246	7.6907	0.3854	5.04402	8.13551
Nitrogen Oxide	TM2	1	19	18	74	17	431	0.0731	0.9058	1.9073	1.7439	2.1887	3.0501	5.9011		1.7701	0.7002	1.3178	2.7063	4.7394	9.5469	7.2943	7.7419	0.3933	5.06394	8.16765
Nitrogen Oxide	TM2	1	20	18	74	17	29	0.071	0.8819	1.8539	1.6932	2.1303	2.9562	5.664		1.7297	0.6791	1.2734	2.6075	4.5873	9.1543	7.0171	7.5989	0.3895	1.26686	2.04333
Nitrogen Oxide	TM2	1	21	18	75	18	24	0.0707	0.8784	1.8498	1.6898	2.1255	2.949	5.651		1.7235	0.6774	1.2701	2.6015	4.5768	9.1333	7.0009	7.5739	0.3879	1.44506	2.33075
Nitrogen Oxide	TM2	1	22	18	76	18	19	0.0704	0.8747	1.8459	1.6863	2.1206	2.9417	5.6381		1.7172	0.6757	1.2669	2.5956	4.5663	9.1124	6.9849	7.557	0.3863	1.41609	2.28402
Nitrogen Oxide	TM2	1	23	18	75	18	17	0.0707	0.8784	1.8498	1.6898	2.1255	2.949	5.651		1.7235	0.6774	1.2701	2.6015	4.5768	9.1333	7.0009	7.5739	0.3879	1.08051	1.74275
Nitrogen Oxide	TM2	1	24	17	76	18	13	0.0729	0.9059	1.8666	1.7033	2.1443	2.9796	5.7011		1.7576	0.6852	1.2841	2.6246	4.6174	9.2143	7.0631	7.4393	0.3974	1.12042	1.80712
Nitrogen Oxide	TM2	2	1	17	78	18	13	0.0723	0.8991	1.8593	1.6968	2.1352	2.966	5.6768		1.7458	0.6802	1.278	2.6134	4.5977	9.173	7.0329	7.4076	0.3943	1.17918	1.90119
Nitrogen Oxide	TM2	2	2	17	80	18	7	0.0717	0.8923	1.8518	1.6903	2.1261	2.9525	5.6525		1.734	0.6789	1.2724	2.6022	4.5781	9.1358	7.0029	7.3759	0.3914	0.96794	1.5612
Nitrogen Oxide	TM2	2	3	17	81	18	6	0.0714	0.8889	1.8481	1.687	2.1215	2.9457	5.6404		1.7282	0.6772	1.2689	2.5967	4.5682	9.1162	6.9879	7.3603	0.3899	1.11472	1.79793
Nitrogen Oxide	TM2	2	4	17	82	18	3	0.0712	0.8854	1.8444	1.6837	2.117	2.9389	5.6282		1.7223	0.6756	1.2659	2.591	4.5584	9.0966	6.9728	7.3443	0.3884	0.93367	1.50591
Nitrogen Oxide	TM2	2	5	16	83	18	3	0.0735	0.9146	1.862	1.698	2.1368	2.971	5.6808		1.7577	0.6839	1.2806	2.6153	4.6009	9.1816	7.038	7.4129	0.3981	0.95003	1.53231
Nitrogen Oxide	TM2	2	6	16	83	18	3	0.0735	0.9146	1.862	1.698	2.1368	2.971	5.6808		1.7577	0.6839	1.2806	2.6153	4.6009	9.1816	7.038	7.4129	0.3981	0.95003	1.53231
Nitrogen Oxide	TM2	2	7	16	83	18	15	0.0735	0.9146	1.862	1.698	2.1368	2.971	5.6808		1.7577	0.6839	1.2806	2.6153	4.6009	9.1816	7.038	7.4129	0.3981	1.12391	1.03857
Nitrogen Oxide	TM2	2	8	17	81	18	32	0.0714	0.8889	1.8481	1.687	2.1215	2.9457	5.6404		1.7282	0.6772	1.2689	2.5967	4.5682	9.1162	6.9879	7.3603	0.3899	3.48231	5.61663
Nitrogen Oxide	TM2	2	9	18	77	17	483	0.0723	0.8947	1.8951	1.7331	2.1737	3.0277	5.8606		1.7511	0.6949	1.3077	2.6877	4.7069	9.4814	7.2442	7.6888	0.3886	5.25864	8.48168
Nitrogen Oxide	TM2	2	10	19	73	17	499	0.071	0.8783	1.8897	1.7296	2.1688	3.0178	5.8475		1.7352	0.6921	1.303	2.6818	4.6965	9.4604	7.2282	7.6717	0.3838	5.22729	8.43111
Nitrogen Oxide	TM2	2	11	20	70	17	425	0.0696	0.8607	1.881	1.7229	2.1596	3.0014	5.8226		1.7139	0.6879	1.2953	2.6703	4.6764	9.4201	7.1973	7.6391	0.3776	5.0363	8.12306
Nitrogen Oxide	TM2	2	12	20	68	17	385	0.0702	0.8679	1.8901	1.7312	2.171	3.0184	5.8534		1.7282	0.6918	1.303	2.6845	4.7012	9.4699	7.2354	7.6794	0.3812	5.12408	8.26464
Nitrogen Oxide	TM2	2	13	21	65	17	341	0.0697	0.8622	1.8838	1.7255	2.1632	3.0042	5.8226		1.7089	0.6881	1.2963	2.6748	4.6843	9.436	7.2095	7.652	0.3756	5.13925	8.28911
Nitrogen Oxide	TM2	2	14	21	65	17	347	0.0697	0.8622	1.8838	1.7255	2.1632	3.0042	5.8326		1.7089	0.6881	1.2963	2.6748	4.6843	9.436	7.2095	7.652	0.3756	5.00452	8.07181
Nitrogen Oxide	TM2	2	15	21	66	17	408	0.0694	0.8584	1.879	1.7211	2.1572	2.9952	5.8161		1.7013	0.686	1.2923	2.6673	4.6711	9.4094	7.1892	7.6304	0.3737	5.00323	8.06972
Nitrogen Oxide	TM2	2	16	20	68	17	392	0.0702	0.8679	1.8901	1.7312	2.171	3.0184	5.8534		1.7282	0.6918	1.303	2.6845	4.7012	9.4699	7.2354	7.6794	0.3812	5.12264	8.26232
Nitrogen Oxide	TM2	2	17	20	70	17	410	0.0696	0.8607	1.881	1.7229	2.1596	3.0014	5.8226		1.7139	0.6879	1.2953	2.6703	4.6764	9.4201	7.1973	7.6391	0.3776	5.09304	8.21457
Nitrogen Oxide	TM2	2	18	19	74	17	408	0.0707	0.8744	1.8854	1.7258	2.1635	3.0099	5.8332		1.7284	0.6903	1.2995	2.6751	4.6848	9.437	7.2103	7.6529	0.3821	5.01906	8.09526
Nitrogen Oxide	TM2	2	19	18	76	17	431	0.0726	0.8984	1.8992	1.7368	2.1786	3.0351	5.8741		1.7574	0.6967	1.311	2.6939	4.7177	9.5032	7.2609	7.7065	0.3902	5.04059	8.12998
Nitrogen Oxide	TM2	2	20	18	78	18	29	0.0698	0.8675	1.838	1.6793	2.1109	2.9273	5.6122		1.7048	0.6723	1.2603	2.5836	4.5453	9.0705	6.9528	7.3232	0.3831	1.25463	2.02359
Nitrogen Oxide	TM2	2	21	18	78	18	24	0.0698	0.8675	1.838	1.6793	2.1109	2.9273	5.6122		1.7048	0.6723	1.2603	2.5836	4.5453	9.0705	6.9528	7.3232	0.3831	1.43499	2.3145
Nitrogen Oxide	TM2	2	22	18	78	18	19	0.0698	0.8675	1.838	1.6793	2.1109	2.9273	5.6122		1.7048	0.6723	1.2603	2.5836	4.5453	9.0705	6.9528	7.3232	0.3831	1.40948	2.27336
Nitrogen Oxide	TM2	2	23	18	78	18	17	0.0698	0.8675	1.838	1.6793	2.1109	2.9273	5.6122		1.7048	0.6723	1.2603	2.5836	4.5453	9.0705	6.9528	7.3232	0.3831	1.07298	1.73062
Nitrogen Oxide	TM2	3	0	18	78	18	13	0.0698	0.8675	1.838	1.6793	2.1109	2.9273	5.6122		1.7048	0.6723	1.2603	2.5836	4.5453	9.0705	6.9528	7.3232	0.3831	1.10884	1.77555
Nitrogen Oxide	TM2	3	1	21	86	18	13	0.0614	0.7607	1.7317	1.586	1.9811	2.7283	5.267		1.5135	0.6243	1.1697	2.4247	4.2657	8.5126	6.5251	6.8728	0.3325	1.08433	1.74892
Nitrogen Oxide	TM2	3	2	20	87	18	7	0.0629	0.7794	1.7529	1.6051	2.0076	2.7697	5.3375		1.5553	0.6343	1.1887	2.4572	4.3228	8.6265	6.6124	6.9647	0.3437	0.90481	1.45938
Nitrogen Oxide	TM2	3	3	20	87	18	6	0.0629	0.7794	1.7529	1.6051	2.0076	2.7697	5.3375		1.5553	0.6343	1.1887	2.4572	4.3228	8.6265	6.6124	6.9647	0.3437	1.04513	1.6857
Nitrogen Oxide	TM2	3	4	20	87	18	3	0.0629	0.7794	1.7529	1.6051	2.0076	2.7697	5.3375		1.5553	0.6343	1.1887	2.4572	4.3228	8.6265	6.6124	6.9647	0.3437	0.86507	1.39527
Nitrogen Oxide	TM2	3	5	20	87	18	3	0.0629	0.7794	1.7529	1.6051	2.0076	2.7697	5.3375		1.5553	0.6343	1.1887	2.4572	4.3228	8.6265	6.6124	6.9647	0.3437	0.86507	1.39527
Nitrogen Oxide	TM2	3	6	20	87	18	3	0.0629	0.7794	1.7529	1.6051	2.0076	2.7697	5.3375		1.5553	0.6343	1.1887	2.4572	4.3228	8.6265	6.6124	6.9647	0.3437	0.86507	1.39527
Nitrogen Oxide	TM2	3	7	20	87	18	15	0.0629	0.7794	1.7529	1.6051	2.0076	2.7697	5.3375		1.5553	0.6343	1.1887	2.4572	4.3228	8.6265	6.6124	6.9647	0.3437	2.92654	4.72023
Nitrogen Oxide	TM2	3	8	20	86	18	32	0.0631	0.7828	1.7574	1.609	2.0131	2.7778	5.3522		1.5623	0.6363	1.1924	2.464	4.3347	8.6504	6.6308	6.984	0.3455	3.29963	5.32199
Nitrogen Oxide	TM2	3	9	21	83	18	483	0.0642	0.7931	1.7963	1.6467	2.0535	2.8418	5.5368		1.5722	0.6501	1.2231	2.5392	4.4468	8.9574	6.844	7.2639	0.3414	4.96525	8.00847
Nitrogen Oxide	TM2	3	10	22	79	17	499	0.0637	0.7872	1.7901	1.6411	2.0439	2.8281	5.516		1.554	0.6467	1.2167	2.5297	4.4302	8.924	6.8184	7.2368	0.3362	4.92804	7.94845
Nitrogen Oxide	TM2	3	11	23	78	17	425	0.0644	0.7914	1.7953	1.6457	2.0524	2.8377	5.5336		1.5621	0.6489	1.2211	2.5378	4.4443	8.9524	6.844	7.2598	0.3383	4.78412	7.71632
Nitrogen Oxide	TM2	3	12	23	77	17	385	0.0627	0.7741	1.7739	1.6267	2.0258	2.7962	5.462		1.5209	0.6391	1.2021	2.5049	4.3868	8.8366	6.7516	7.1659	0.3273	4.77854	7.70733
Nitrogen Oxide	TM2	3	13	23	77	17	341	0.0627	0.7741	1.7739	1.6267	2.0258	2.7962	5.462		1.5209	0.6391	1.2021	2.5049	4.3868	8.8366	6.7516	7.1659	0.3273	4.81062	7.75906
Nitrogen Oxide	TM2	3	14	23	77	17	347	0.0627	0.7741	1.7739	1.6267	2.0258	2.7962	5.462		1.5209	0.6391	1.2021	2.5049	4.3868	8.8366	6.7516	7.1659	0.3273	4.6836	7.55419
Nitrogen Oxide	TM2	3	15	23	76	17	408	0.0631	0.7787	1.7795	1.6316	2.0328	2.8065	5.4808		1.5294	0.6415	1.2067	2.5135	4.4018	8.8668	6.7747	7.1905	0.3295	4.71204	7.60006
Nitrogen Oxide	TM2	3	16	23	77	17	392	0.0627	0.7741	1.7739	1.6267	2.0258	2.7962	5.462		1.5209	0.6391	1.2021	2.5049	4.3868	8.8366	6.7516	7.1659	0.3273	4.77715	7.70507
Nitrogen Oxide	TM2	3	17	22	79	17	410	0.0637	0.7872	1.7901	1.6411	2.0439	2.8281	5.516		1.554	0.6467	1.2167	2.5297	4.4302	8.924	6.8184	7.2368	0.3362	4.82254	7.7783
Nitrogen Oxide	TM2	3	18	22	82	17	408	0.0627	0.7745	1.7744	1.627	2.0264	2.7994	5.4634		1.5299	0.64	1.2037	2.5056	4.3879	8.8389	6.7534	7.1678	0.3302	4.69734	7.57636
Nitrogen Oxide	TM2	3	19	21	84	17	431	0.0638	0.7892	1.7914	1.6423	2.0475	2.8328	5.5203		1.5646	0.6481	1.2191	2.5317	4.4336	8.9309	6.8236	7.2424	0.3395	4.73341	7.63453
Nitrogen Oxide	TM2	3	20	21	85	18	29	0.0617	0.7646	1.7364	1.5903	1.9869	2.737	5.2827		1.521	0.6264	1.1737	2.4319	4.2785	8.538	6.5447	6.8933	0.3343	1.17502	1.89519
Nitrogen Oxide	TM2	3	21	21	86	18	24	0.0614	0.7607	1.7317	1.586	1.9811	2.7283	5.267		1.5135	0.6243	1.1697	2.4247	4.2657	8.5126	6.5251	6.8728	0.3325	1.34438	2.16835
Nitrogen Oxide	TM2	3	22	21	86	18	19	0.0614	0.7607	1.7317	1.586	1.9811	2.7283	5.267		1.5135	0.6243	1.1697	2.4247	4.2657	8.5126	6.5251	6.8728	0.3325	1.32012	2.12922
Nitrogen Oxide	TM2	3	23	21	86	18	17	0.0617	0.7646	1.7364	1.5903	1.9869	2.737	5.2827		1.521	0.6264	1.1737	2.4319	4.2785	8.538	6.5447	6.8933	0.3343	1.08084	1.62593
Nitrogen Oxide	TM2	3	24	21	86	18	13	0.0614	0.7607	1.7317	1.586	1.9811	2.7283	5.267		1.5135	0.6243	1.1697	2.4247	4.2657	8.5126	6.5251	6.8728	0.3325	1.03054	1.66216
Nitrogen Oxide	TM2	4	1	20	83	18	13	0.0639	0.7933	1.7707	1.621	2.0297	2.8024	5.3966		1.5834	0.642	1.2035	2.4843	4.3707	8.7221	6.6857	7.0419	0.3508	1.11198	1.79351
Nitrogen Oxide	TM2	4	2	20	85	18	7	0.0634	0.7864	1.7619	1.613	2.0187	2.7861	5.367		1.5694	0.6382	1.1961	2.4708	4.3467	8.6743	6.6491	7.0033	0.3473	0.91003	1.46779
Nitrogen Oxide	TM2	4	3	20	84	18	6	0.0636	0.7899	1.7662	1.617	2.0243	2.7943	5.3817		1.5764	0.6401	1.1998	2.4775	4.3587	8.6981	6.6674	7.0226	0.349	1.0541	1.70016
Nitrogen Oxide	TM2	4	4	20	85	18	3	0.0634	0.7864	1.7619	1.613	2.0187	2.7861	5.367		1.5694	0.6382	1.1961	2.4708	4.3467	8.6743	6.6491	7.0033	0.3473	1.40414	2.26402
Nitrogen Oxide	TM2	4	5	19	84	18	3	0.0655	0.8136	1.7904	1.6382	2.0538	2.8404	5.4603		1.6227	0.6513	1.2208	2.5137	4.4223	8.8251	6.7647	7.1251	0.3616	0.88983	1.43522
Nitrogen Oxide	TM2	4	6	19	84	18	3	0.0655	0.8136	1.7904	1.6382	2.0538	2.8404	5.4603		1.6227	0.6513	1.2208	2.5137	4.4223	8.8251	6.7647	7.1251	0.3616	0.88983	1.43522
Nitrogen Oxide	TM2	4	7	20	84	18	15	0.0636	0.7899	1.7662	1.617	2.0243	2.7943	5.3817		1.5764	0.6401	1.1998	2.4775	4.3587	8.6981	6.6674	7.0226	0.349	2.95113	4.75989
Nitrogen Oxide	TM2	4	8	21	79	18	32	0.0635	0.7873	1.7648	1.6158	2.0226	2.7894	5.3774		1.5656	0.6387	1.1973	2.4755	4.3551	8.6911	6.662	7.0169	0.3456	3.31502	5.3468
Nitrogen Oxide	TM2	4	9	22	73	17	483	0.0657	0.8124	1.8213	1.6691	2.0849	2.8858	5.6212		1.6023	0.6602	1.2427	2.5779	4.5146	9.0942	6.9483	7.3748	0.3483	5.04106	8.13074
Nitrogen Oxide	TM2	4	10	23	68	17	499	0.0653	0.8105	1.8185	1.6665	2.0813	2.8702	5.6115		1.589	0.6583	1.2389	2.5735	4.5069	9.0784	6.9363	7.362	0.3443	5.01355	8.08638
Nitrogen Oxide	TM2	4	11	23	68	17	425	0.0659	0.815	1.824	1.6714	2.0882	2.8883	5.6302		1.5975	0.6606	1.2436	2.582	4.5218	9.1087	6.9595	7.3866	0.3464	4.86787	7.8514
Nitrogen Oxide	TM2	4	12	24	66	17	385	0.0653	0.8061	1.8113	1.6599	2.0722	2.8625	5.5869		1.5701	0.6545	1.2317	2.5622	4.4871	9.0387	6.9059	7.3298	0.339	4.88821	7.88421
Nitrogen Oxide	TM2	4	13	24	65	17	341	0.0656	0.811	1.8172	1.6652	2.0796	2.8734	5.6068		1.5791	0.6571	1.2367	2.5714	4.5031	9.0708	6.9306	7.3558	0.3411	4.9386	7.96548
Nitrogen Oxide	TM2	4	14	24	66	17	347	0.0653	0.8061	1.8113	1.6599	2.0722	2.8625	5.5869		1.5701	0.6545	1.2317	2.5622	4.4871	9.0387	6.9059	7.3298	0.339	4.79117	7.7277
Nitrogen Oxide	TM2	4	15	24	66	17	408	0.0653	0.8061	1.8113	1.6599	2.0722	2.8625	5.5869		1.5701	0.6545	1.2317	2.5622	4.4871	9.0387	6.9059	7.3298	0.339	4.80364	7.74781
Nitrogen Oxide	TM2	4	16	24	67	17	392	0.0649	0.8012	1.8053	1.6546	2.0648	2.8516	5.567		1.5611	0.652	1.2269	2.5531	4.4711	9.0065	6.8813	7.3036	0.3367	4.86927	7.85367
Nitrogen Oxide	TM2	4	17	23	69	17	410	0.0655	0.8105	1.8185	1.6665	2.0813	2.8278	5.6115		1.589	0.6583	1.2389	2.5735	4.5069	9.0784	6.9363	7.362	0.3443	4.90621	7.91325
Nitrogen Oxide	TM2	4	18	22	74	17	408	0.0655	0.8082	1.816	1.6644	2.0784	2.8762	5.6037		1.5942	0.658	1.2384	2.5699	4.5006	9.0658	6.9267	7.3518	0.3463	4.81886	7.77235
Nitrogen Oxide	TM2	4	19	22	74	17	431	0.0648	0.7999	1.8057	1.6551	2.0654	2.8569	5.5686		1.5782	0.6535	1.2297	2.5538	4.4724	9.0091	6.8833	7.3058	0.3423	4.77475	7.70121
Nitrogen Oxide	TM2	4	20	21	79	18	29	0.0635	0.7873	1.7648	1.6158	2.0226	2.7894	5.3774		1.5656	0.6387	1.1973	2.4755	4.3551	8.6911	6.662	7.0169	0.3456	1.19676	1.93026
Nitrogen Oxide	TM2	4	21	21	80	18	24	0.0632	0.7835	1.7601	1.6115	2.0166	2.7807	5.3616		1.5581	0.6362	1.1954	2.4683	4.3424	8.6656	6.6424	6.9962	0.3437	1.2685	2.0726
Nitrogen Oxide	TM2	4	22	21	81	18	19	0.0629	0.7798	1.7553	1.6072	2.0107	2.7719	5.3458		1.5507	0.6346	1.1895	2.461	4.3296	8.64	6.6229	6.9757	0.3419	1.33986	2.16107
Nitrogen Oxide	TM2	4	23	21	82	18	17	0.0626	0.7759	1.7506	1.603	2.0048	2.7632	5.33		1.5433	0.6325	1.1855	2.4537	4.3168	8.6146	6.6033	6.9551	0.34	1.01702	1.64035
Nitrogen Oxide	TM2	4	24	20	82	18	13	0.0642	0.7969	1.7751	1.625	2.0353	2.8107	5.4113		1.5904	0.644	1.2071	2.4911	4.3827	8.746	6.704	7.0612	0.3526	1.05875	1.70767
Nitrogen Oxide	TM2	5	1	26	91	18	13	0.0495	0.6116	1.5475	1.4204	1.7503	2.3832	4.6533		1.2065	0.5425	1.0138	2.1422	3.7688	7.5209	5.765	6.0721	0.2534	0.95424	1.53909
Nitrogen Oxide	TM2	5	2	25	92	18	7	0.0512	0.6334	1.5766	1.4469	1.7873	2.4375	4.7517		1.2517	0.5555	1.0383	2.1875	3.8485	7.6799	5.887	6.2006	0.2647	0.99469	1.28982
Nitrogen Oxide	TM2	5	3	25	92	18	6	0.0512	0.6334	1.5766	1.4469	1.7873	2.4375	4.7517		1.2517	0.5555	1.0383	2.1875	3.8485	7.6799	5.887	6.2006	0.2647	0.924413	1.49102
Nitrogen Oxide	TM2	5	4	25	91	18	3	0.0517	0.6386	1.5828	1.4524	1.7949	2.4487	4.7721		1.2611	0.5581	1.0433	2.1969	3.865	7.7128	5.9121	6.227	0.267	0.7577	1.2221
Nitrogen Oxide	TM2	5	5	25	92	18	3	0.0512	0.6334	1.5766	1.4469	1.7873	2.4375	4.7517		1.2517	0.5555	1.0383	2.1875	3.8485	7.6799	5.887	6.2006	0.2647	0.75373	1.2157
Nitrogen Oxide	TM2	5	6	25	93	18	3	0.0508	0.6281	1.5705	1.4414	1.7797

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:

(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.

(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Oxide	TM2	7	16	31	69	17	392	0.0532	0.6562	1.5818	1.4493	1.7793	2.4308	4.7972		1.2149	0.5537	1.0376	2.2001	3.8529	7.761	5.9298	6.2937	0.2506	4.19247	6.76204
Nitrogen Oxide	TM2	7	17	31	70	17	410	0.0525	0.6481	1.5726	1.4412	1.768	2.4141	4.7668		1.201	0.5498	1.0301	2.186	3.8283	7.7118	5.8921	6.2537	0.2472	4.1634	6.71516
Nitrogen Oxide	TM2	7	18	30	73	17	408	0.0524	0.6471	1.5824	1.4507	1.7812	2.4338	4.8026		1.2169	0.554	1.0389	2.2025	3.8572	7.7698	5.9365	6.3007	0.2511	4.12494	6.65313
Nitrogen Oxide	TM2	7	19	29	76	17	431	0.0525	0.6475	1.5932	1.4614	1.7962	2.4557	4.8427		1.2348	0.5589	1.0487	2.2209	3.8894	7.8348	5.9861	6.3534	0.2555	4.14775	6.68992
Nitrogen Oxide	TM2	7	20	29	79	18	29	0.0493	0.6097	1.5249	1.398	1.7189	2.3373	4.5702		1.1693	0.5318	0.9934	2.1039	3.7015	7.3865	5.662	5.9636	0.244	1.01372	1.63504
Nitrogen Oxide	TM2	7	21	29	81	18	24	0.0483	0.5961	1.509	1.3839	1.6995	2.3086	4.5182		1.1452	0.5251	0.9805	2.08	3.6593	7.3025	5.5975	5.8958	0.2379	1.1546	1.86225
Nitrogen Oxide	TM2	7	22	29	82	18	19	0.0477	0.5895	1.5012	1.3769	1.6896	2.2943	4.4922		1.1331	0.5217	0.974	2.068	3.6383	7.2605	5.5654	5.8619	0.2348	1.127	1.81774
Nitrogen Oxide	TM2	7	23	28	83	18	17	0.0492	0.6084	1.5307	1.4039	1.7273	2.3495	4.5924		1.1792	0.5345	0.9988	2.1142	3.7194	7.4224	5.6894	5.9926	0.2464	0.87874	1.41731
Nitrogen Oxide	TM2	7	24	28	84	18	13	0.0487	0.6023	1.5234	1.3973	1.7181	2.336	4.568		1.1678	0.5313	0.9928	2.1029	3.6996	7.3828	5.6592	5.9606	0.2436	0.89591	1.44501
Nitrogen Oxide	TM2	8	1	27	90	18	13	0.0478	0.5903	1.5173	1.3929	1.7118	2.3269	4.5512		1.1597	0.5292	0.9883	2.0952	3.6861	7.3559	5.6383	5.9389	0.2416	0.93332	1.50535
Nitrogen Oxide	TM2	8	2	26	90	18	7	0.05	0.617	1.554	1.4262	1.7583	2.3952	4.6749		1.2166	0.5453	1.0192	2.1521	3.7863	7.5558	5.7918	6.1003	0.2558	0.7865	1.26855
Nitrogen Oxide	TM2	8	3	26	91	18	6	0.0495	0.6116	1.5475	1.4204	1.7503	2.3832	4.6533		1.2065	0.5425	1.0138	2.1422	3.7688	7.5209	5.765	6.0721	0.2534	0.9048	1.45935
Nitrogen Oxide	TM2	8	4	26	92	18	3	0.049	0.6061	1.541	1.4145	1.7421	2.3713	4.6317		1.1966	0.5397	1.0085	2.1323	3.7513	7.4859	5.7381	6.0438	0.2508	0.73203	1.1807
Nitrogen Oxide	TM2	8	5	26	93	18	3	0.0487	0.6007	1.5344	1.4087	1.734	2.3593	4.61		1.1865	0.5369	1.0031	2.1223	3.7337	7.4509	5.7113	6.0156	0.2483	0.72793	1.17409
Nitrogen Oxide	TM2	8	6	26	94	18	3	0.0482	0.5952	1.5278	1.4029	1.7258	2.3474	4.5884		1.1765	0.5342	0.9977	2.1123	3.7162	7.4159	5.6845	5.9874	0.2458	0.72373	1.16711
Nitrogen Oxide	TM2	8	7	26	93	18	15	0.0487	0.6007	1.5344	1.4087	1.734	2.3593	4.61		1.1865	0.5369	1.0031	2.1223	3.7337	7.4509	5.7113	6.0156	0.2483	2.52017	4.06478
Nitrogen Oxide	TM2	8	8	27	87	18	32	0.0492	0.608	1.5383	1.4115	1.7378	2.365	4.6204		1.1917	0.5382	1.0058	2.127	3.7421	7.4675	5.7241	6.029	0.2496	2.84475	4.5883
Nitrogen Oxide	TM2	8	9	29	81	17	483	0.0497	0.6122	1.5526	1.4253	1.7459	2.3816	4.7074		1.1732	0.5416	1.0154	2.1589	3.7807	7.6157	5.8188	6.1759	0.2403	4.21672	6.80116
Nitrogen Oxide	TM2	8	10	30	76	17	499	0.0506	0.6245	1.5565	1.4277	1.7493	2.3865	4.7164		1.1777	0.5431	1.0176	2.163	3.788	7.6302	5.8299	6.1877	0.2414	4.20915	6.78896
Nitrogen Oxide	TM2	8	11	30	73	17	425	0.0524	0.6471	1.5824	1.4507	1.7812	2.4338	4.8026		1.2169	0.554	1.0389	2.2025	3.8572	7.7698	5.9365	6.3007	0.2511	4.14814	6.69054
Nitrogen Oxide	TM2	8	12	30	73	17	385	0.0524	0.6471	1.5824	1.4507	1.7812	2.4338	4.8026		1.2169	0.554	1.0389	2.2025	3.8572	7.7698	5.9365	6.3007	0.2511	4.1984	6.77161
Nitrogen Oxide	TM2	8	13	30	74	17	341	0.0519	0.6395	1.5737	1.4431	1.7706	2.418	4.7739		1.2038	0.5504	1.0318	2.1893	3.8341	7.7233	5.901	6.2631	0.2479	4.20171	6.77695
Nitrogen Oxide	TM2	8	14	30	74	17	347	0.0519	0.6395	1.5737	1.4431	1.7706	2.418	4.7739		1.2038	0.5504	1.0318	2.1893	3.8341	7.7233	5.901	6.2631	0.2479	4.0894	6.5958
Nitrogen Oxide	TM2	8	15	30	75	17	408	0.0513	0.6321	1.5651	1.4355	1.76	2.4023	4.7452		1.1907	0.5467	1.0247	2.1762	3.811	7.6768	5.8654	6.2254	0.2446	4.0752	6.5729
Nitrogen Oxide	TM2	8	16	29	77	17	392	0.052	0.6404	1.5851	1.4543	1.7862	2.4409	4.8157		1.2225	0.5555	1.042	2.2085	3.8676	7.791	5.9526	6.318	0.2525	4.20851	6.78792
Nitrogen Oxide	TM2	8	17	29	79	17	410	0.0508	0.6262	1.5689	1.4397	1.7661	2.4112	4.7615		1.1978	0.5486	1.0287	2.1837	3.8242	7.7053	5.8857	6.2469	0.2463	4.15851	6.70727
Nitrogen Oxide	TM2	8	18	28	80	17	408	0.0521	0.644	1.5978	1.4664	1.803	2.4657	4.8611		1.2427	0.5612	1.0532	2.2294	3.9032	7.8643	6.0089	6.3726	0.2575	4.17531	6.73437
Nitrogen Oxide	TM2	8	19	28	82	17	431	0.0513	0.6313	1.5826	1.4528	1.784	2.4379	4.8101		1.2195	0.5546	1.0406	2.206	3.8632	7.782	5.9458	6.3107	0.2517	4.11948	6.64432
Nitrogen Oxide	TM2	8	20	28	84	18	29	0.0487	0.6023	1.5234	1.3973	1.7181	2.336	4.568		1.1678	0.5313	0.9928	2.1029	3.6996	7.3828	5.6592	5.9606	0.2436	1.01213	1.63247
Nitrogen Oxide	TM2	8	21	27	85	18	24	0.0502	0.6198	1.5521	1.4238	1.7552	2.3904	4.6664		1.213	0.5441	1.0172	2.1482	3.7794	7.542	5.7811	6.0892	0.255	1.19127	1.9214
Nitrogen Oxide	TM2	8	22	27	87	18	19	0.0492	0.608	1.5383	1.4115	1.7378	2.365	4.6204		1.1917	0.5382	1.0058	2.127	3.7421	7.4675	5.7241	6.029	0.2496	1.15793	1.86762
Nitrogen Oxide	TM2	8	23	27	88	17	17	0.0487	0.6022	1.5313	1.4052	1.7292	2.3523	4.5973		1.1811	0.5352	1	2.1164	3.7233	7.4303	5.6956	5.999	0.2469	0.87884	1.41748
Nitrogen Oxide	TM2	8	24	27	89	18	13	0.0483	0.5963	1.5243	1.3991	1.7205	2.3396	4.5743		1.1703	0.5322	0.9942	2.1058	3.7047	7.3931	5.6671	5.9689	0.2442	0.89615	1.4454
Nitrogen Oxide	TM2	9	1	27	89	18	13	0.0483	0.5963	1.5243	1.3991	1.7205	2.3396	4.5743		1.1703	0.5322	0.9942	2.1058	3.7047	7.3931	5.6671	5.9689	0.2442	0.9383	1.51339
Nitrogen Oxide	TM2	9	2	26	89	18	7	0.0504	0.6226	1.5606	1.432	1.7665	2.4071	4.6966		1.2266	0.5481	1.0247	2.1622	3.8038	7.5908	5.8186	6.1286	0.2584	0.79041	1.27486
Nitrogen Oxide	TM2	9	3	26	91	18	6	0.0495	0.6116	1.5475	1.4204	1.7503	2.3832	4.6533		1.2065	0.5425	1.0138	2.1422	3.7688	7.5209	5.765	6.0721	0.2534	0.9048	1.45935
Nitrogen Oxide	TM2	9	4	26	92	18	3	0.049	0.6061	1.541	1.4145	1.7421	2.3713	4.6317		1.1966	0.5397	1.0085	2.1323	3.7513	7.4859	5.7381	6.0438	0.2508	0.73203	1.1807
Nitrogen Oxide	TM2	9	5	26	93	18	3	0.049	0.6061	1.541	1.4145	1.7421	2.3713	4.6317		1.1966	0.5397	1.0085	2.1323	3.7513	7.4859	5.7381	6.0438	0.2508	0.73203	1.1807
Nitrogen Oxide	TM2	9	6	26	93	18	3	0.0487	0.6007	1.5344	1.4087	1.734	2.3593	4.61		1.1865	0.5369	1.0031	2.1223	3.7337	7.4509	5.7113	6.0156	0.2483	0.72793	1.17409
Nitrogen Oxide	TM2	9	7	26	93	18	15	0.0487	0.6007	1.5344	1.4087	1.734	2.3593	4.61		1.1865	0.5369	1.0031	2.1223	3.7337	7.4509	5.7113	6.0156	0.2483	2.52017	4.06478
Nitrogen Oxide	TM2	9	8	27	88	18	32	0.0487	0.6022	1.5313	1.4052	1.7292	2.3523	4.5973		1.1811	0.5352	1	2.1164	3.7233	7.4303	5.6956	5.999	0.2469	2.83037	4.56512
Nitrogen Oxide	TM2	9	9	28	83	17	483	0.0507	0.6249	1.575	1.446	1.7746	2.4239	4.7846		1.228	0.5514	1.0343	2.1943	3.8427	7.7408	5.9143	6.2772	0.2489	4.28628	6.91335
Nitrogen Oxide	TM2	9	10	29	78	17	499	0.0514	0.6333	1.577	1.447	1.7761	2.426	4.7886		1.2102	0.5521	1.0353	2.1961	3.846	7.7471	5.9192	6.2824	0.2495	4.27394	6.89346
Nitrogen Oxide	TM2	9	11	29	76	17	425	0.0525	0.6475	1.5932	1.4614	1.7962	2.4557	4.8427		1.2348	0.5589	1.0487	2.2209	3.8894	7.8348	5.9861	6.3534	0.2555	4.18287	6.74657
Nitrogen Oxide	TM2	9	12	29	76	17	385	0.0525	0.6475	1.5932	1.4614	1.7962	2.4557	4.8427		1.2348	0.5589	1.0487	2.2209	3.8894	7.8348	5.9861	6.3534	0.2555	4.23358	6.82835
Nitrogen Oxide	TM2	9	13	30	75	17	341	0.0513	0.6321	1.5651	1.4355	1.76	2.4023	4.7452		1.1907	0.5467	1.0247	2.1762	3.811	7.6768	5.8654	6.2254	0.2446	4.1763	6.73597
Nitrogen Oxide	TM2	9	14	29	75	17	347	0.0531	0.6547	1.6014	1.4687	1.8063	2.4705	4.8698		1.2471	0.5624	1.0554	2.2333	3.9112	7.8785	6.0195	6.389	0.2586	4.17213	6.72925
Nitrogen Oxide	TM2	9	15	29	77	17	408	0.052	0.6404	1.5851	1.4543	1.7862	2.4409	4.8157		1.2225	0.5555	1.042	2.2085	3.8676	7.791	5.9526	6.318	0.2525	4.13612	6.67116
Nitrogen Oxide	TM2	9	16	29	76	17	392	0.0525	0.6475	1.5932	1.4614	1.7962	2.4557	4.8427		1.2348	0.5589	1.0487	2.2209	3.8894	7.8348	5.9861	6.3534	0.2555	4.23227	6.82625
Nitrogen Oxide	TM2	9	17	29	78	17	410	0.0514	0.6333	1.577	1.447	1.7761	2.426	4.7886		1.2102	0.5521	1.0353	2.1961	3.846	7.7471	5.9192	6.2824	0.2495	4.18235	6.74572
Nitrogen Oxide	TM2	9	18	28	81	17	408	0.0518	0.6376	1.5901	1.4596	1.7936	2.4518	4.8356		1.2311	0.5579	1.0469	2.2177	3.8837	7.8232	5.9773	6.3441	0.2547	4.15323	6.69875
Nitrogen Oxide	TM2	9	19	27	84	17	431	0.0522	0.6427	1.6042	1.4729	1.8121	2.4791	4.8857		1.2534	0.5642	1.0592	2.2406	3.9239	7.9042	6.0392	6.4098	0.2602	4.18462	6.74938
Nitrogen Oxide	TM2	9	20	27	86	18	29	0.0497	0.6139	1.5452	1.4177	1.7465	2.3777	4.6433		1.2024	0.5411	1.0115	2.1376	3.7607	7.5048	5.7526	6.0591	0.2523	1.02847	1.65882
Nitrogen Oxide	TM2	9	21	27	87	18	24	0.0492	0.608	1.5383	1.4115	1.7378	2.365	4.6204		1.1917	0.5382	1.0058	2.127	3.7421	7.4675	5.7241	6.029	0.2496	1.17945	1.90235
Nitrogen Oxide	TM2	9	22	27	89	18	19	0.0483	0.5963	1.5243	1.3991	1.7205	2.3396	4.5743		1.1703	0.5322	0.9942	2.1058	3.7047	7.3931	5.6671	5.9689	0.2442	0.90153	1.44632
Nitrogen Oxide	TM2	9	23	27	89	17	17	0.0483	0.5963	1.5243	1.3991	1.7205	2.3396	4.5743		1.1703	0.5322	0.9942	2.1058	3.7047	7.3931	5.6671	5.9689	0.2442	0.87448	1.41045
Nitrogen Oxide	TM2	9	24	26	89	18	13	0.0504	0.6226	1.5606	1.432	1.7665	2.4071	4.6966		1.2266	0.5481	1.0247	2.1622	3.8038	7.5908	5.8186	6.1286	0.2584	0.91949	1.48305
Nitrogen Oxide	TM2	10	1	24	74	18	13	0.0602	0.7467	1.7144	1.5704	1.9595	2.6902	5.2096		1.463	0.6149	1.1519	2.3983	4.2193	8.4199	6.4541	6.7979	0.3179	1.07209	1.72918
Nitrogen Oxide	TM2	10	2	23	74	18	7	0.0618	0.7671	1.7404	1.5938	1.9921	2.74	5.2964		1.5105	0.6267	1.1746	2.4382	4.2896	8.5602	6.5616	6.9111	0.3304	0.89697	1.44673
Nitrogen Oxide	TM2	10	3	23	74	18	6	0.0618	0.7671	1.7404	1.5938	1.9921	2.74	5.2964		1.5105	0.6267	1.1746	2.4382	4.2896	8.5602	6.5616	6.9111	0.3304	1.03617	1.67124
Nitrogen Oxide	TM2	10	4	23	75	18	3	0.0618	0.7671	1.735	1.589	1.9854	2.7302	5.2784		1.5022	0.6244	1.1701	2.43	4.275	8.5312	6.5394	6.8878	0.3282	1.03307	1.37591
Nitrogen Oxide	TM2	10	5	23	74	18	3	0.0618	0.7671	1.7404	1.5938	1.9921	2.74	5.2964		1.5105	0.6267	1.1746	2.4382	4.2896	8.5602	6.5616	6.9111	0.3304	0.85643	1.38134
Nitrogen Oxide	TM2	10	6	23	75	17	3	0.0616	0.7626	1.735	1.589	1.9854	2.7302	5.2784		1.5022	0.6244	1.1701	2.43	4.275	8.5312	6.5394	6.8878	0.3282	0.85307	1.37591
Nitrogen Oxide	TM2	10	7	23	75	18	15	0.0616	0.7626	1.735	1.589	1.9854	2.7302	5.2784		1.5022	0.6244	1.1701	2.43	4.275	8.5312	6.5394	6.8878	0.3282	2.89251	4.66533
Nitrogen Oxide	TM2	10	8	23	72	18	32	0.0626	0.7759	1.7512	1.6035	2.0056	2.7599	5.3323		1.5272	0.6314	1.1836	2.4547	4.3186	8.6181	6.6061	6.958	0.3346	3.26666	5.30107
Nitrogen Oxide	TM2	10	9	24	74	17	483	0.0641	0.7914	1.7935	1.644	2.05	2.8299	5.5272		1.5431	0.6469	1.217	2.5348	4.4391	8.942	6.8257	7.2514	0.3323	3.95572	7.99309
Nitrogen Oxide	TM2	10	10	25	64	17	499	0.0647	0.7997	1.7994	1.6484	2.0563	2.8391	5.5442		1.5513	0.6486	1.2213	2.5426	4.4528	8.9695	6.8531	7.2737	0.3343	4.95285	7.98846
Nitrogen Oxide	TM2	10	11	26	61	17	425	0.0648	0.8002	1.7946	1.6433	2.0492	2.8286	5.5248		1.5431	0.6458	1.2166	2.5337	4.4372	8.9382	6.8292	7.2482	0.3322	4.77608	7.70336
Nitrogen Oxide	TM2	10	12	27	60	17	385	0.064	0.7905	1.7765	1.6264	2.0256	2.7939	5.4614		1.5149	0.6376	1.2011	2.5046	4.3863	8.8356	6.7508	7.1651	0.3252	4.77796	7.70638
Nitrogen Oxide	TM2	10	13	27	59	17	341	0.0645	0.7963	1.7837	1.6328	2.0345	2.807	5.4854		1.5258	0.6407	1.207	2.5157	4.4056	8.8745	6.7805	7.1966	0.3278	4.83134	7.79248
Nitrogen Oxide	TM2	10	14	27	59	17	347	0.0645	0.7963	1.7837	1.6328	2.0345	2.807	5.4854		1.5258	0.6407	1.207	2.5157	4.4056	8.8745	6.7805	7.1966	0.3278	4.70371	7.58663
Nitrogen Oxide	TM2	10	15	27	62	17	408	0.064	0.7905	1.7765	1.6264	2.0256	2.7939	5.4614		1.5149	0.6376	1.2011	2.5046	4.3863	8.8356	6.7508	7.1651	0.3252	4.69521	7.57292
Nitrogen Oxide	TM2	10	16	27	62	17	392	0.063	0.7783	1.7622	1.6136	2.0079	2.7676	5.4134		1.4931	0.6315	1.1892	2.4827	4.3478	8.758	6.6916	7.1022	0.3198	4.7343	7.63597
Nitrogen Oxide	TM2	10	17	26	65	17	410	0.0629	0.7772	1.7676	1.6192	2.0157	2.7792	5.4346		1.5021	0.6343	1.1944	2.4924	4.3648	8.7922	6.7177	7.1299	0.3221	4.75043	7.66198
Nitrogen Oxide	TM2	10	18	25	67	17	408	0.0635	0.7838	1.7804	1.6315	2.0327	2.8044	5.4806		1.5224	0.6405	1.2056	2.5134	4.4017	8.8667	6.7745	7.1902	0.3271	4.71165	7.59943
Nitrogen Oxide	TM2	10	19	25	69	17	431	0.0626	0.7732	1.7677	1.6202	2.017	2.7812	5.4382		1.5032	0.6351	1.1952	2.494	4.3676	8.798	6.7221	7.1346	0.3223	4.66158	7.51867
Nitrogen Oxide	TM2	10	20	25	71	18	29	0.0599	0.7425	1.7059	1.5622	1.9377	2.6733	5.2179		1.4495	0.6106	1.1444	2.3882	4.1945	8.4704	6.4361	6.7768	0.3144	1.15144	1.85716
Nitrogen Oxide	TM2	10	21	24	71	18	24	0.0614	0.761	1.7317	1.5858	1.9811	2.7218	5.2669		1.4895	0.6223	1.1662	2.4246	4.2657	8.5125	6.525	6.8727	0.3245	1.13409	2.16788
Nitrogen Oxide	TM2	10	22	24	71	18	19	0.0614	0.761	1.7317	1.5858	1.9811	2.7218	5.2669		1.4895	0.6223	1.1662	2.4246	4.2657	8.5125	6.525	6.8727	0.3245	1.31975	2.12863
Nitrogen Oxide	TM2	10	23	24	72	18	17	0.061	0.7562	1.7259	1.5807	1.9738	2.7112	5.2478		1.4807	0.6199	1.1614	2.4159	4.2502	8.4816	6.5014	6.8478	0.3222	1.00144	1.61522
Nitrogen Oxide	TM2	10	24	24	72	18	13	0.061	0.7562	1.7259	1.5807	1.9738	2.7112	5.2478		1.4807	0.6199	1.1614	2.4159	4.2502	8.4816	6.5014	6.8478	0.3222	1.02676	1.65607
Nitrogen Oxide	TM2	11	1	21	75	18	13	0.0647	0.8024	1.7838	1.6328	2.0463	2.8244	5.4404		1.5952	0.6469	1.2131	2.5046	4.4062	8.793	6.7401	7.0992	0.3531	1.12102	1.80809
Nitrogen Oxide	TM2	11	2	21	74	18	7	0.065	0.8061	1.7885	1.637	2.0523	2.8332	5.4562		1.6026	0.6489	1.217	2.5118	4.419	8.8185	6.7596	7.1197	0.355	1.76295	2.49283
Nitrogen Oxide	TM2	11	3	21	74	18	6	0.065	0.8061	1.7885	1.637	2.0523	2.8332	5.4562		1.6026	0.6489	1.217	2.5118	4.419	8.8185	6.7596	7.1197	0.355	1.06898	1.72417
Nitrogen Oxide	TM2	11	4	21	74	18	3	0.065	0.8061	1.7885	1.637	2.0523	2.8332	5.4562		1.6026	0.6489	1.217	2.5118	4.419	8.8185	6.7596	7.1197	0.355	0.88653	1.42989
Nitrogen Oxide	TM2	11	5	21	74	18	3	0.065	0.8061	1.7885	1.637	2.0523	2.8332	5.4562		1.6026	0.6489	1.217	2.5118	4.419	8.8185	6.7596	7.1197	0.355	0.88653	1.42989
Nitrogen Oxide	TM2	11	6	21	73	18	3	0.0653	0.8098	1.7933	1.6413	2.0581	2.8419	5.4719		1.6101	0.651	1.221	2.5191	4.4318	8.844	6.7792	7.1403	0.3569	0.88947	1.43462
Nitrogen Oxide	TM2	11	7	21	73	18	15	0.0653	0.8098	1.7933	1.6413	2.0581	2.8419	5.4719		1.6101	0.651	1.221	2.5191	4.4318	8.844	6.7792	7.1403	0.3569	3.00091	4.84017
Nitrogen Oxide	TM2	11	8	21	73	18	32	0.0662	0.821	1.8074	1.6541	2.076	2.8681	5.5195		1.6224	0.657	1.2328	2.5409	4.4701	8.9205	6.8378	7.2031	0.3625	3.40114	5.48893
Nitrogen Oxide	TM2	11	9	22	66	17	483	0.0681	0.8415	1.8577	1.7019	2.1304	2.9531	5.7439		1.6587	0.6759	1.273	2.6342	4.6132	9.2927	7.1	7.5358	0.3623	5.15172	8.30922
Nitrogen Oxide	TM2	11	10	23	61	17	499	0.0685	0.8463	1.8628	1.7063	2.1367	2.9599	5.7609		1.6572	0.6774	1.2759	2.642	4.6269	9.3203	7.1211	7.5581	0.3613	5.14786	8.303
Nitrogen Oxide	TM2	11	11	25	57	17	425	0.0676	0.836	1.8435	1.688	2.1114	2.9202	5.6926		1.6187	0.6675	1.2579	2.6

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:

(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.

(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Oxide	TM3	1	21	18	75	44	494	0.0467	0.6053	1.194	1.04	1.3837	1.8037	3.0435		1.112	0.3876	0.7322	1.4541	2.7493	4.8322	3.8913	3.6343	0.3271	1.05943	1.70876
Nitrogen Oxide	TM3	1	22	18	76	50	207	0.0441	0.5725	1.1229	0.9699	1.2991	1.6781	2.799		1.0439	0.3585	0.6758	1.3349	2.5512	4.4318	3.589	3.2844	0.3197	1.25638	2.02643
Nitrogen Oxide	TM3	1	23	18	75	51	124	0.0439	0.5706	1.1164	0.963	1.2899	1.6642	2.771		1.0392	0.3555	0.6696	1.3209	2.5286	4.3856	3.5545	3.2824	0.3202	1.4226	2.29451
Nitrogen Oxide	TM3	2	14	17	76	52	83	0.0449	0.5841	1.1185	0.962	1.2894	1.6635	2.762		1.0524	0.3562	0.6696	1.3159	2.5231	4.3697	3.5443	3.3025	0.3273	1.71462	2.76551
Nitrogen Oxide	TM3	2	1	17	78	52	48	0.0446	0.5798	1.1139	0.9583	1.2839	1.656	2.7502		1.0452	0.3544	0.6664	1.3102	2.5124	4.351	3.5292	3.2884	0.325	1.28054	2.06538
Nitrogen Oxide	TM3	2	2	17	80	53	26	0.0442	0.5713	1.1011	0.9464	1.2669	1.6315	2.7064		1.0308	0.3492	0.6557	1.2886	2.4748	4.28	3.4742	3.2657	0.3219	1.04355	1.68314
Nitrogen Oxide	TM3	2	3	17	81	53	24	0.044	0.5691	1.0989	0.9446	1.2642	1.6277	2.7007		1.0271	0.3483	0.6541	1.2859	2.4695	4.2708	3.4668	3.2588	0.3206	1.105	1.78225
Nitrogen Oxide	TM3	2	4	17	82	53	21	0.0438	0.567	1.0966	0.9428	1.2615	1.624	2.6948		1.0236	0.3474	0.6525	1.2831	2.4641	4.2617	3.4593	3.2517	0.3194	1.15227	1.85585
Nitrogen Oxide	TM3	2	5	16	83	53	21	0.0452	0.5856	1.1078	0.9507	1.2733	1.6415	2.72		1.0454	0.352	0.6605	1.2951	2.4872	4.3015	3.4917	3.2821	0.3276	1.0904	1.7587
Nitrogen Oxide	TM3	2	6	16	83	53	44	0.0452	0.5856	1.1078	0.9507	1.2733	1.6415	2.72		1.0454	0.352	0.6605	1.2951	2.4872	4.3015	3.4917	3.2821	0.3276	0.93181	1.50292
Nitrogen Oxide	TM3	2	7	16	83	51	98	0.0456	0.5941	1.1248	0.9675	1.2967	1.6763	2.7856		1.0607	0.3594	0.6756	1.3279	2.542	4.4088	3.5733	3.2998	0.329	1.00265	1.61717
Nitrogen Oxide	TM3	2	8	17	81	37	299	0.0509	0.658	1.2953	1.1392	1.5003	1.9808	3.4059		1.2209	0.431	0.8149	1.6247	3.028	5.4275	4.3332	4.1518	0.3391	1.08582	1.75133
Nitrogen Oxide	TM3	2	9	18	77	35	884	0.0512	0.6601	1.3257	1.171	1.5366	2.0345	3.5264		1.245	0.4439	0.84	1.6799	3.1167	5.6261	4.4786	4.3245	0.3382	1.95532	3.15407
Nitrogen Oxide	TM3	2	10	19	73	35	1144	0.0503	0.6479	1.3217	1.1686	1.5332	2.028	3.5185		1.2332	0.4418	0.8368	1.6762	3.1099	5.6136	4.4687	4.3148	0.3339	2.13932	3.45051
Nitrogen Oxide	TM3	2	11	20	70	35	1136	0.0493	0.635	1.3152	1.1641	1.5266	2.0171	3.5035		1.2177	0.4389	0.8316	1.669	3.0966	5.5897	4.4496	4.2965	0.3285	1.88204	3.03555
Nitrogen Oxide	TM3	2	12	20	68	44	1079	0.045	0.5825	1.185	1.0343	1.3757	1.7897	3.0259		1.0887	0.3835	0.7255	1.4457	2.7333	4.8042	3.8687	3.6132	0.3182	1.60665	2.59138
Nitrogen Oxide	TM3	2	13	21	65	44	1012	0.0447	0.5786	1.181	1.0311	1.3708	1.7815	3.013		1.076	0.3813	0.7215	1.4405	2.7236	4.787	3.8548	3.6002	0.3133	1.65989	2.67725
Nitrogen Oxide	TM3	2	14	21	65	43	934	0.0451	0.584	1.1939	1.0438	1.3859	1.804	3.0604		1.0886	0.3866	0.7319	1.4622	2.7594	4.8614	3.9105	3.6651	0.3145	1.6595	2.67661
Nitrogen Oxide	TM3	2	15	21	66	41	1093	0.0459	0.5931	1.218	1.068	1.4137	1.846	3.1484		1.1107	0.3967	0.7514	1.504	2.827	5.0063	4.0178	3.7928	0.3155	1.73797	2.80318
Nitrogen Oxide	TM3	2	16	20	68	41	1088	0.0464	0.5995	1.2251	1.0742	1.4228	1.8601	3.1687		1.1289	0.4003	0.7579	1.5137	2.8452	5.0385	4.0436	3.8172	0.3222	1.74447	2.81367
Nitrogen Oxide	TM3	2	17	20	68	41	1076	0.05	0.6427	1.3339	1.1825	1.548	2.0495	3.5733		1.2567	0.4427	0.8469	1.7008	3.1481	5.7044	4.5338	4.3962	0.3304	1.31412	2.11848
Nitrogen Oxide	TM3	2	18	19	74	29	1029	0.0545	0.6953	1.4492	1.3005	1.6774	2.2458	3.9939		1.3556	0.5065	0.9381	1.8897	3.4544	6.3969	5.0395	4.9903	0.3452	2.10803	3.40004
Nitrogen Oxide	TM3	2	19	18	76	31	907	0.0543	0.6973	1.4093	1.2536	1.6325	2.1802	3.8404		1.3323	0.4805	0.9083	1.8221	3.3475	6.1427	4.8574	4.7679	0.3478	1.77703	2.86617
Nitrogen Oxide	TM3	2	20	18	78	41	583	0.0475	0.6155	1.2263	1.0732	1.4213	1.861	3.1652		1.1403	0.4014	0.759	1.512	2.8421	5.033	4.0392	3.813	0.3269	1.08895	1.75636
Nitrogen Oxide	TM3	2	21	18	78	44	494	0.0461	0.598	1.1862	1.0335	1.3742	1.7905	3.0226		1.0997	0.3847	0.7265	1.4441	2.7304	4.7989	3.8644	3.6093	0.3231	1.05158	1.6961
Nitrogen Oxide	TM3	2	22	18	78	50	207	0.0437	0.5678	1.118	0.9659	1.2931	1.6699	2.7862		1.0361	0.3567	0.6721	1.3288	2.5396	4.4115	3.5725	3.2689	0.3171	1.25015	2.01637
Nitrogen Oxide	TM3	2	23	18	77	51	124	0.0433	0.5635	1.109	0.957	1.2811	1.652	2.7518		1.0277	0.3528	0.6643	1.3118	2.5112	4.3554	3.533	3.2598	0.3164	1.41212	2.27762
Nitrogen Oxide	TM3	2	24	18	78	52	85	0.0431	0.5595	1.1005	0.9484	1.2693	1.6347	2.7189		1.02	0.3491	0.6568	1.2953	2.4838	4.3014	3.489	3.251	0.3156	1.68544	2.71845
Nitrogen Oxide	TM3	3	1	21	86	52	48	0.0378	0.4905	1.0349	0.8961	1.1912	1.5245	2.5516		0.9025	0.3233	0.6081	1.2157	2.331	4.0368	3.2744	3.051	0.2736	1.17335	1.89249
Nitrogen Oxide	TM3	3	2	20	87	53	26	0.0387	0.499	1.0401	0.899	1.1962	1.5314	2.5556		0.9216	0.3251	0.6114	1.2168	2.3368	4.0415	3.2806	3.0837	0.2823	0.97252	1.56857
Nitrogen Oxide	TM3	3	3	20	87	53	24	0.0387	0.499	1.0401	0.899	1.1962	1.5314	2.5556		0.9216	0.3251	0.6114	1.2168	2.3368	4.0415	3.2806	3.0837	0.2823	1.03272	1.66569
Nitrogen Oxide	TM3	3	4	20	87	53	21	0.0387	0.499	1.0401	0.899	1.1962	1.5314	2.5556		0.9216	0.3251	0.6114	1.2168	2.3368	4.0415	3.2806	3.0837	0.2823	1.08269	1.74627
Nitrogen Oxide	TM3	3	5	20	87	53	21	0.0387	0.499	1.0401	0.899	1.1962	1.5314	2.5556		0.9216	0.3251	0.6114	1.2168	2.3368	4.0415	3.2806	3.0837	0.2823	1.00852	1.62665
Nitrogen Oxide	TM3	3	6	20	87	53	44	0.0387	0.499	1.0401	0.899	1.1962	1.5314	2.5556		0.9216	0.3251	0.6114	1.2168	2.3368	4.0415	3.2806	3.0837	0.2823	0.86558	1.3961
Nitrogen Oxide	TM3	3	7	20	87	51	98	0.0391	0.5063	1.0562	0.915	1.2184	1.5638	2.6172		0.9354	0.332	0.6254	1.2476	2.3883	4.1422	3.3573	3.1002	0.2836	0.93193	1.50311
Nitrogen Oxide	TM3	3	8	20	86	37	299	0.045	0.5796	1.2304	1.0868	1.4236	1.8687	3.2319		1.1016	0.4039	0.7647	1.5416	2.8733	5.1502	4.1118	3.9396	0.3003	1.01835	1.6425
Nitrogen Oxide	TM3	3	9	21	83	35	884	0.0454	0.5851	1.2556	1.1128	1.4517	1.9104	3.3315		1.1152	0.4142	0.7844	1.587	2.9445	5.3153	4.2312	4.0855	0.297	1.84003	2.96779
Nitrogen Oxide	TM3	3	10	21	85	41	1144	0.0451	0.5808	1.2512	1.109	1.4462	1.9013	3.3191		1.1019	0.4119	0.7801	1.5811	2.9335	5.2955	4.2153	4.0703	0.2924	1.42535	2.29856
Nitrogen Oxide	TM3	3	11	22	78	35	1136	0.0454	0.5839	1.2548	1.1122	1.4508	1.9078	3.3297		1.1077	0.4134	0.7829	1.5862	2.9429	5.3123	4.2288	4.0832	0.2941	1.78491	2.87888
Nitrogen Oxide	TM3	3	12	23	77	44	1079	0.0402	0.5195	1.1112	0.9724	1.2837	1.6589	2.8235		0.9549	0.3533	0.6678	1.3491	2.5506	4.4829	3.61	3.3716	0.2728	1.49439	2.41031
Nitrogen Oxide	TM3	3	13	23	77	44	1012	0.0402	0.5195	1.1112	0.9724	1.2837	1.6589	2.8235		0.9549	0.3533	0.6678	1.3491	2.5506	4.4829	3.61	3.3716	0.2728	1.55035	2.50056
Nitrogen Oxide	TM3	3	14	23	77	43	934	0.0406	0.5244	1.1233	0.9843	1.2979	1.6799	2.866		0.9661	0.3583	0.6774	1.3694	2.5841	4.5526	3.6622	3.4324	0.2739	1.54998	2.49996
Nitrogen Oxide	TM3	3	15	23	76	41	1093	0.0416	0.538	1.1526	1.0128	1.3322	1.7305	2.9669		0.996	0.3702	0.7005	1.4173	2.664	4.7176	3.7862	3.5741	0.278	1.63397	2.63543
Nitrogen Oxide	TM3	3	16	23	77	41	1088	0.0419	0.5419	1.149	1.0097	1.3276	1.7241	2.9568		0.9904	0.3667	0.6978	1.4127	2.6562	4.7016	3.7727	3.5634	0.2762	1.62299	2.61773
Nitrogen Oxide	TM3	3	17	22	79	34	1076	0.0457	0.5878	1.2689	1.1266	1.4665	1.9318	3.385		1.1191	0.4196	0.7944	1.6112	2.9823	5.4041	4.2951	4.1638	0.2941	1.841	2.96935
Nitrogen Oxide	TM3	3	18	22	82	29	1029	0.0484	0.6159	1.3634	1.2263	1.5711	2.0894	3.7408		1.1974	0.4688	0.8678	1.7699	3.2356	5.9915	4.7202	4.6741	0.2982	1.96796	3.17413
Nitrogen Oxide	TM3	3	19	21	84	31	907	0.0478	0.6126	1.3285	1.1856	1.5342	2.0356	3.6091		1.1835	0.4461	0.8434	1.7124	3.1459	5.7727	4.5649	4.4807	0.3026	1.66121	2.6808
Nitrogen Oxide	TM3	3	20	21	85	41	583	0.042	0.5425	1.1573	1.0166	1.3379	1.7409	2.9794		1.0148	0.3773	0.7056	1.4233	2.6752	4.7376	3.8022	3.5892	0.2851	1.01776	1.64154
Nitrogen Oxide	TM3	3	21	21	85	44	494	0.0406	0.5243	1.116	0.9744	1.2907	1.6697	2.8364		0.9736	0.3561	0.6731	1.3552	2.5425	4.5038	3.6268	3.5873	0.2801	0.97997	1.5806
Nitrogen Oxide	TM3	3	22	21	86	50	207	0.0385	0.4979	1.0515	0.9126	1.2136	1.5574	2.6148		0.917	0.3301	0.6225	1.2471	2.3833	4.1401	3.3528	3.0678	0.2749	1.16482	1.87875
Nitrogen Oxide	TM3	3	23	21	85	51	124	0.0383	0.4966	1.046	0.9066	1.2059	1.5455	2.5903		0.9141	0.3275	0.6173	1.2348	2.3638	4.0998	3.3228	3.0684	0.2758	1.32145	2.13136
Nitrogen Oxide	TM3	3	24	21	86	52	85	0.0378	0.4905	1.0349	0.8961	1.1912	1.5245	2.5516		0.9025	0.3233	0.6081	1.2157	2.331	4.0368	3.2744	3.051	0.2736	1.57488	2.54013
Nitrogen Oxide	TM3	4	1	20	83	52	48	0.0395	0.5116	1.0588	0.9158	1.2205	1.5655	2.6145		0.9454	0.3325	0.6261	1.2456	2.3883	4.1362	3.3549	3.126	0.2888	1.20574	1.94474
Nitrogen Oxide	TM3	4	2	20	85	53	26	0.0391	0.5035	1.0454	0.9034	1.2029	1.5404	2.5698		0.9302	0.3271	0.6153	1.2235	2.3497	4.0638	3.2987	3.1007	0.2853	1.57827	2.54613
Nitrogen Oxide	TM3	4	3	20	85	53	24	0.0391	0.5058	1.0482	0.9056	1.2063	1.5449	2.5768		0.9344	0.3282	0.6173	1.2264	2.3562	4.0751	3.3078	3.1098	0.2867	1.04223	1.68102
Nitrogen Oxide	TM3	4	4	20	85	53	21	0.0391	0.5035	1.0454	0.9034	1.2029	1.5404	2.5698		0.9302	0.3271	0.6153	1.2235	2.3497	4.0638	3.2987	3.1007	0.2853	1.08918	1.75674
Nitrogen Oxide	TM3	4	5	19	84	53	21	0.0404	0.521	1.0629	0.9175	1.2238	1.5701	2.6145		0.9627	0.3343	0.6284	1.2448	2.3906	4.1346	3.3561	3.1546	0.2971	1.03552	1.67019
Nitrogen Oxide	TM3	4	6	21	84	53	44	0.0404	0.521	1.0629	0.9175	1.2238	1.5701	2.6145		0.9627	0.3343	0.6284	1.2448	2.3906	4.1346	3.3561	3.1546	0.2971	0.88753	1.4315
Nitrogen Oxide	TM3	4	7	20	84	51	98	0.0395	0.513	1.0643	0.9217	1.2284	1.5776	2.6389		0.9484	0.3351	0.6315	1.258	2.4081	4.1766	3.3851	3.126	0.2888	0.94001	1.51614
Nitrogen Oxide	TM3	4	8	21	79	37	299	0.0452	0.5829	1.2357	1.0913	1.4303	1.8766	3.2427		1.1037	0.4054	0.7679	1.5489	2.8867	5.1743	4.1311	3.958	0.3004	1.02305	1.65008
Nitrogen Oxide	TM3	4	9	21	73	35	884	0.0466	0.593	1.2732	1.1279	1.4673	1.94	3.3824		1.1367	0.4206	0.7971	1.613	2.9995	5.3963	4.2967	4.1473	0.3029	1.01407	1.63409
Nitrogen Oxide	TM3	4	10	23	69	35	1144	0.0465	0.5979	1.2711	1.1261	1.4712	1.9349	3.3765		1.127	0.4193	0.7945	1.6085	2.9842	5.3871	4.2883	4.1407	0.2993	2.04766	3.30268
Nitrogen Oxide	TM3	4	11	23	68	35	1136	0.0468	0.6012	1.2751	1.1295	1.4762	1.9417	3.3877		1.1331	0.4208	0.7975	1.6139	2.9942	5.405	4.3026	4.1545	0.3011	1.81673	2.93022
Nitrogen Oxide	TM3	4	12	24	66	44	1079	0.0418	0.5409	1.135	0.9921	1.3131	1.6981	2.8881		0.9864	0.3619	0.6845	1.3799	2.6089	4.5854	3.6926	3.4487	0.2825	1.52973	2.46731
Nitrogen Oxide	TM3	4	13	24	65	44	1012	0.042	0.5443	1.1387	0.9953	1.3178	1.7046	2.8984		0.9922	0.3634	0.6873	1.3848	2.6182	4.6018	3.7057	3.461	0.2844	1.59279	2.56902
Nitrogen Oxide	TM3	4	14	24	66	43	934	0.0422	0.546	1.1473	1.0044	1.3275	1.7196	2.9316		0.998	0.3669	0.6943	1.4006	2.6432	4.6567	3.7459	3.5108	0.2856	1.58656	2.55897
Nitrogen Oxide	TM3	4	15	24	66	41	1093	0.0431	0.5569	1.1735	1.0302	1.3581	1.7648	3.0244		1.023	0.3778	0.7152	1.4448	2.7156	4.809	3.8595	3.6434	0.2859	1.66653	2.68796
Nitrogen Oxide	TM3	4	16	24	67	41	1088	0.0429	0.5535	1.1696	1.0269	1.3532	1.7582	3.0136		1.017	0.3763	0.7124	1.4396	2.7059	4.7919	3.8458	3.6303	0.284	1.65512	2.66955
Nitrogen Oxide	TM3	4	17	23	69	34	1076	0.047	0.6052	1.2892	1.1439	1.4919	1.9659	3.4437		1.1446	0.4271	0.809	1.6391	3.0339	5.4973	4.3694	4.2359	0.3011	1.87361	3.02195
Nitrogen Oxide	TM3	4	18	22	74	29	1029	0.0505	0.6427	1.3956	1.2544	1.6115	2.1466	3.8367		1.2485	0.4822	0.8931	1.8154	3.3186	6.1453	4.8413	4.794	0.3127	2.02018	3.25836
Nitrogen Oxide	TM3	4	19	21	79	31	907	0.0485	0.6208	1.3391	1.1948	1.5476	2.0529	3.6407		1.1938	0.4497	0.8507	1.7274	3.1734	5.8233	4.6049	4.52	0.3049	1.67678	2.70448
Nitrogen Oxide	TM3	4	20	21	79	41	583	0.0433	0.5586	1.1764	1.0328	1.3618	1.7173	3.0128		1.0451	0.3805	0.7201	1.4488	2.7232	4.8224	3.8702	3.6354	0.2947	1.07271	1.72976
Nitrogen Oxide	TM3	4	21	21	80	44	494	0.0417	0.54	1.1347	0.9921	1.3128	1.7016	2.8876		1.0029	0.3633	0.687	1.3797	2.6085	4.5847	3.692	3.4481	0.2896	0.99858	1.61062
Nitrogen Oxide	TM3	4	22	21	81	50	207	0.0395	0.5104	1.0663	0.9247	1.2318	1.5821	2.6539		0.94	0.3356	0.6332	1.2657	2.419	4.2021	3.4051	3.1138	0.2826	1.18344	1.90878
Nitrogen Oxide	TM3	4	23	21	82	51	124	0.0389	0.5041	1.0547	0.9138	1.2166	1.5603	2.6136		0.9278	0.3309	0.6216	1.2459	2.385	4.1365	3.3526	3.096	0.2804	1.33398	2.15158
Nitrogen Oxide	TM3	4	24	20	82	52	85	0.0396	0.5138	1.0615	0.918	1.2238	1.5701	2.6216		0.9497	0.3336	0.6282	1.249	2.3949	4.1476	3.3642	3.1346	0.2903	1.62056	2.61381
Nitrogen Oxide	TM3	5	1	26	91	52	48	0.0305	0.3944	0.9227	0.8032	1.0534	1.3311	2.2544		0.7147	0.2791	0.5249	1.0741	2.0594	3.5665	2.8929	2.6955	0.2082	1.02242	1.64907
Nitrogen Oxide	TM3	5	2	25	92	53	26	0.0316	0.4055	0.9332	0.811	1.065	1.3493	2.2752		0.7368	0.2833	0.5317	1.0833	2.0804	3.598	2.9206	2.7453	0.2172	1.85083	1.37231
Nitrogen Oxide	TM3	5	3	25	92	53	24	0.0316	0.4055	0.9332	0.811	1.065	1.3493	2.2752		0.7368	0.2833	0.5317	1.0833	2.0804	3.598	2.9206	2.7453	0.2172	0.9033	1.46015
Nitrogen Oxide	TM3	5	4	25	91	53	21	0.0319	0.4089	0.9369	0.814	1.0696	1.3554	2.2849		0.7425	0.2844	0.5343	1.0879	2.0893	3.6135	2.9331	2.7571	0.2191	0.95656	1.54283
Nitrogen Oxide	TM3	5	5	25	92	53	21	0.0316	0.4055	0.9332	0.811	1.065	1.3493	2.2752		0.7368	0.2833	0.5317	1.0833	2.0804	3.598	2.9206	2.7453	0.2172	0.88354	1.42506
Nitrogen Oxide	TM3	5	6	25	93	53	44	0.0314	0.4022	0.9295	0.808	1.0604	1.3431	2.2654		0.7311	0.2817	0.529	1.0786	2.0715	3.5827	2.908	2.7336	0.2152	0.76016	1.22606
Nitrogen Oxide	TM3	5	7	25	93	51	98	0.0308	0.3972	0.9301	0.8103	1.0627	1.3473	2.2817		0.7293	0.2821	0.5311	1.0797	2.0722	3.6113	2.9327	2.7029	0.2087	0.80474	1.29797
Nitrogen Oxide	TM3	5	8	27	85	37	299	0.0358	0.4589	1.0855	0.9623	1.2412	1.6094	2.8177		0.8508	0.3438	0.6502	1.3441	2.505	4.4902	3.5849	3.4348	0.2214	0.87522	1.41165
Nitrogen Oxide	TM3	5	9	28	80	35	884	0.0371	0.4751	1.1159	0.9915	1.2745	1.6589	2.925		0.8769	0.3561	0.6733	1.3934	2.5852	4.6667	3.7148	3.587	0.2238	1.60682	2.59164
Nitrogen Oxide	TM3	5	10	28	78	35	1144	0.0378	0.4849	1.1268	1.0007	1.2879	1.6775	2.9557		0.8937	0.3603	0.6815	1.408	2.6123	4.7156	3.7538	3.6246	0.2289	1.78506	2.87912
Nitrogen Oxide	TM3	5	11	29	77	35	1136	0.0368	0.4724	1.1071	0.9834	1.2626	1.6422	2.8976		0.8623	0.3524	0.666	1.3804	2.5611	4.6231	3.6801	3.5534	0.2194	1.54668	2.49464
Nitrogen Oxide	TM3	5	12	29	75	44	1079	0.034	0.4393	1.0022	0.8785	1.1445	1.4668	2.5174		0.7792	0.3095	0.5845	1.2027	2.2741	3.9968	3.2186	3.006	0.2155	1.3278	2.14162
Nitrogen Oxide	TM3	5	13	29	75	44	1012	0.0344	0.4441	1.0074	0.8828	1.1509	1.4755	2.5314		0.787	0.3115	0.5883	1.2095	2.2867	4.0191	3.2365	3.0228	0.218	1.38582	2.2352
Nitrogen Oxide	TM3	5	14	29	75	43	934	0.0344	0.4435	1.0132	0.8893	1.1571	1.4853	2.5553		0.7883	0.314	0.593	1.2209	2.3039	4.059	3.2651	3.0602	0.2163	1.3775	2.22178
Nitrogen Oxide	TM3	5	15	29	75	41	1093	0.0351	0.4522	1.0365	0.9122	1.1837	1.5244	2.6362		0.8083	0.3233	0.6108	1.2593	2.3671	4.1918	3.3642	3.1757	0.2181	1.44724	2.33426
Nitrogen Oxide	TM3	5	16	29	77	41	1088	0.0343	0.4424	1.0257	0.9032

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:

(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.

(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Oxide	TM3	8	2	26	90	53	26	0.0308	0.3951	0.9197	0.7995	1.0478	1.3259	2.2384		0.7155	0.2777	0.5217	1.0657	2.0468	3.5399	2.8734	2.701	0.2099	0.83562	1.34778
Nitrogen Oxide	TM3	8	3	26	91	53	24	0.0305	0.3916	0.9157	0.7962	1.043	1.3193	2.2281		0.7094	0.2762	0.5189	1.0609	2.0373	3.5235	2.8601	2.6885	0.2078	0.88467	1.42689
Nitrogen Oxide	TM3	8	4	26	92	53	21	0.0302	0.3881	0.9117	0.7929	1.0381	1.3128	2.2177		0.7034	0.2747	0.5161	1.0559	2.0278	3.507	2.8468	2.676	0.2058	0.92599	1.49353
Nitrogen Oxide	TM3	8	5	26	93	53	21	0.03	0.3846	0.9077	0.7898	1.0333	1.3063	2.2073		0.6973	0.2732	0.5132	1.051	2.0183	3.4907	2.8335	2.6634	0.2037	0.96431	1.55542
Nitrogen Oxide	TM3	8	6	26	94	53	44	0.0298	0.3811	0.9037	0.7865	1.0284	1.2996	2.197		0.6912	0.2718	0.5104	1.046	2.0089	3.4743	2.8202	2.6509	0.2016	0.73583	1.18682
Nitrogen Oxide	TM3	8	7	26	93	51	98	0.0302	0.3902	0.9219	0.8037	1.0523	1.3337	2.2605		0.708	0.2791	0.5252	1.0776	2.0628	3.5777	2.8997	2.6778	0.2045	0.79667	1.28495
Nitrogen Oxide	TM3	8	8	27	87	37	299	0.0351	0.4502	1.0756	0.954	1.229	1.5924	2.7899		0.8355	0.34	0.6428	1.3309	2.4804	4.4459	3.5495	3.4009	0.2168	0.86551	1.39599
Nitrogen Oxide	TM3	8	9	29	81	35	884	0.0353	0.4516	1.0842	0.964	1.2342	1.6025	2.8324		0.8268	0.3434	0.6486	1.3493	2.5034	4.5191	3.5973	3.4735	0.2088	1.55415	2.50669
Nitrogen Oxide	TM3	8	10	30	76	35	1144	0.0359	0.4607	1.087	0.9656	1.2366	1.6058	2.8379		0.83	0.3444	0.6501	1.3519	2.5083	4.5277	3.6042	3.4802	0.2098	1.71235	2.76185
Nitrogen Oxide	TM3	8	11	30	73	35	1136	0.0372	0.4773	1.1053	0.9811	1.2592	1.6374	2.8898		0.8583	0.3515	0.664	1.3767	2.5541	4.6105	3.6701	3.5438	0.2182	1.54213	2.48891
Nitrogen Oxide	TM3	8	12	30	73	44	1079	0.0337	0.4343	0.9903	0.8679	1.1287	1.4451	2.4826		0.7598	0.3049	0.5752	1.1862	2.2427	3.9417	3.1742	2.9645	0.2093	1.30941	2.11195
Nitrogen Oxide	TM3	8	13	30	74	44	1012	0.0333	0.4293	0.9848	0.8633	1.122	1.4358	2.4678		0.7514	0.3028	0.5711	1.1791	2.2293	3.9181	3.1552	2.9468	0.2065	1.35024	2.1778
Nitrogen Oxide	TM3	8	14	30	74	43	934	0.0336	0.4333	0.9956	0.874	1.1344	1.454	2.5049		0.7604	0.3071	0.5794	1.1968	2.2585	3.9789	3.2008	2.9999	0.2074	1.34992	2.1773
Nitrogen Oxide	TM3	8	15	30	75	41	1093	0.0339	0.4366	1.0128	0.8917	1.1534	1.4826	2.5686		0.7708	0.314	0.5927	1.2271	2.3065	4.0845	3.278	3.0944	0.2063	1.40935	2.27315
Nitrogen Oxide	TM3	8	16	29	77	41	1088	0.0343	0.4424	1.0257	0.9032	1.1706	1.5062	2.6069		0.7919	0.3191	0.603	1.2454	2.3408	4.1451	3.3268	3.1404	0.2113	1.42569	2.29951
Nitrogen Oxide	TM3	8	17	29	79	34	1076	0.0365	0.4675	1.1112	0.989	1.2659	1.6483	2.9221		0.8579	0.3544	0.6695	1.3908	2.5744	4.6648	3.7076	3.5943	0.2154	1.58185	2.55137
Nitrogen Oxide	TM3	8	18	28	80	29	1029	0.0403	0.512	1.2271	1.1055	1.3979	1.8413	3.3284		0.969	0.4101	0.7577	1.5748	2.8787	5.3309	4.1997	4.1588	0.2326	1.74429	2.81337
Nitrogen Oxide	TM3	8	19	28	82	31	907	0.0384	0.49	1.1729	1.0493	1.3368	1.7529	3.1448		0.918	0.3804	0.7178	1.4921	2.7412	5.0301	3.9776	3.9043	0.2243	1.43967	2.32204
Nitrogen Oxide	TM3	8	20	28	84	31	583	0.0332	0.4273	1.0139	0.894	1.1568	1.4873	2.5763		0.7745	0.3148	0.5947	1.2307	2.3132	4.0965	3.2877	3.1035	0.2075	0.87253	1.40731
Nitrogen Oxide	TM3	8	21	27	85	44	494	0.0332	0.4272	0.9989	0.8772	1.1427	1.4642	2.5132		0.7762	0.3089	0.5833	1.2008	2.2703	3.9902	3.2132	3.001	0.2146	0.86203	1.39036
Nitrogen Oxide	TM3	8	22	27	87	50	207	0.0309	0.398	0.9321	0.8128	1.0646	1.3514	2.2937		0.7172	0.2828	0.5329	1.094	2.0908	3.6319	2.9412	2.6913	0.2062	1.01225	1.63266
Nitrogen Oxide	TM3	8	23	27	88	51	124	0.0303	0.3912	0.9203	0.8018	1.0494	1.3298	2.2542		0.7046	0.2781	0.5235	1.0746	2.0571	3.5678	2.8917	2.6703	0.2034	1.13958	1.83803
Nitrogen Oxide	TM3	8	24	27	89	52	85	0.0298	0.3845	0.9087	0.7911	1.0345	1.3088	2.2161		0.6927	0.2735	0.5144	1.0558	2.0244	3.506	2.8438	2.6498	0.2007	1.35785	2.19008
Nitrogen Oxide	TM3	9	1	27	89	52	48	0.0298	0.3845	0.9087	0.7911	1.0345	1.3088	2.2161		0.6927	0.2735	0.5144	1.0558	2.0244	3.506	2.8438	2.6498	0.2007	1.00367	1.61882
Nitrogen Oxide	TM3	9	2	26	89	53	26	0.0311	0.3986	0.9236	0.8027	1.0527	1.3325	2.2488		0.7216	0.2791	0.5246	1.0707	2.0563	3.5563	2.8867	2.7134	0.2119	0.84005	1.35491
Nitrogen Oxide	TM3	9	3	26	91	53	24	0.0305	0.3916	0.9157	0.7962	1.043	1.3193	2.2281		0.7094	0.2762	0.5189	1.0609	2.0373	3.5235	2.8601	2.6885	0.2078	0.88467	1.42689
Nitrogen Oxide	TM3	9	4	26	92	53	21	0.0302	0.3881	0.9117	0.7929	1.0381	1.3128	2.2177		0.7034	0.2747	0.5161	1.0559	2.0278	3.507	2.8468	2.676	0.2058	0.92599	1.49353
Nitrogen Oxide	TM3	9	5	26	92	53	21	0.0302	0.3881	0.9117	0.7929	1.0381	1.3128	2.2177		0.7034	0.2747	0.5161	1.0559	2.0278	3.507	2.8468	2.676	0.2058	0.85872	1.38503
Nitrogen Oxide	TM3	9	6	26	93	53	44	0.03	0.3846	0.9077	0.7898	1.0333	1.3063	2.2073		0.6973	0.2732	0.5132	1.051	2.0183	3.4907	2.8335	2.6634	0.2037	0.73958	1.19286
Nitrogen Oxide	TM3	9	7	26	93	51	98	0.0302	0.3902	0.9219	0.8037	1.0523	1.3337	2.2605		0.708	0.2791	0.5252	1.0776	2.0628	3.5777	2.8997	2.6778	0.2045	0.79667	1.28495
Nitrogen Oxide	TM3	9	8	27	88	37	299	0.0347	0.4458	1.0706	0.9498	1.2229	1.5838	2.776		0.8279	0.3381	0.6391	1.3242	2.468	4.4238	3.5319	3.384	0.2144	0.86062	1.38809
Nitrogen Oxide	TM3	9	9	29	81	35	884	0.0359	0.4611	1.0998	0.9778	1.2345	1.6308	2.8579		0.8518	0.3497	0.6611	1.3715	2.5546	4.5932	3.6564	3.5085	0.2163	1.58033	2.54891
Nitrogen Oxide	TM3	9	10	29	78	35	1144	0.0364	0.4672	1.1014	0.9786	1.2555	1.6322	2.8814		0.8534	0.3501	0.6617	1.3726	2.5466	4.5971	3.6594	3.5335	0.2168	1.73894	2.80474
Nitrogen Oxide	TM3	9	11	29	76	35	1136	0.0373	0.4777	1.1129	0.9883	1.2697	1.6521	2.9139		0.8712	0.3546	0.6704	1.3881	2.5755	4.6491	3.7008	3.5734	0.2221	1.55578	2.50932
Nitrogen Oxide	TM3	9	12	29	76	44	1079	0.0337	0.4346	0.997	0.8742	1.1382	1.4581	2.5034		0.7713	0.3076	0.5807	1.1961	2.2615	3.9747	3.2007	2.9893	0.213	1.3201	2.12919
Nitrogen Oxide	TM3	9	13	30	75	44	1012	0.0329	0.4241	0.9793	0.8587	1.1152	1.4266	2.4529		0.743	0.3007	0.5671	1.172	2.2158	3.8945	3.1362	2.929	0.2059	1.34172	2.16407
Nitrogen Oxide	TM3	9	14	29	75	43	934	0.0344	0.4435	1.0132	0.8893	1.1571	1.4853	2.5553		0.7883	0.314	0.593	1.2209	2.3039	4.059	3.2651	3.0602	0.2163	1.3775	2.22178
Nitrogen Oxide	TM3	9	15	29	77	43	1093	0.0343	0.4424	1.0257	0.9032	1.1706	1.5062	2.6069		0.7919	0.3191	0.603	1.2454	2.3408	4.1451	3.3268	3.1404	0.2113	1.43045	2.30717
Nitrogen Oxide	TM3	9	16	29	76	41	1088	0.0347	0.4473	1.031	0.9077	1.1772	1.5153	2.6215		0.8001	0.3212	0.607	1.2523	2.3539	4.1685	3.3455	3.158	0.2156	1.43405	2.31299
Nitrogen Oxide	TM3	9	17	29	78	34	1076	0.0369	0.4729	1.117	0.994	1.2731	1.6584	2.9387		0.8669	0.3566	0.6738	1.3988	2.589	4.6913	3.7286	3.6146	0.218	1.59124	2.56652
Nitrogen Oxide	TM3	9	18	28	81	29	1029	0.0399	0.507	1.2212	1.1004	1.3905	1.831	3.3109		0.9598	0.4077	0.7531	1.5666	2.8637	5.303	4.1777	4.137	0.2299	1.73478	2.79803
Nitrogen Oxide	TM3	9	19	27	84	31	907	0.0391	0.4988	1.1888	1.0638	1.3578	1.7826	3.1942		0.9441	0.3871	0.7309	1.5156	2.7843	5.1091	4.0401	3.9657	0.2318	1.46266	2.35913
Nitrogen Oxide	TM3	9	20	27	86	41	583	0.0339	0.4356	1.0284	0.9069	1.1759	1.5136	2.6188		0.798	0.3208	0.6061	1.2511	2.3515	4.1642	3.342	3.1548	0.215	0.88707	1.43075
Nitrogen Oxide	TM3	9	21	27	87	44	494	0.0325	0.4191	0.9898	0.8697	1.1314	1.4488	2.4884		0.7622	0.3054	0.5765	1.189	2.2429	3.9559	3.1813	2.9712	0.2141	0.87254	1.3756
Nitrogen Oxide	TM3	9	22	27	89	50	207	0.0302	0.3903	0.9235	0.8057	1.054	1.337	2.2709		0.704	0.2796	0.5267	1.0831	2.0699	3.5957	2.9119	2.6645	0.2017	1.00131	1.61501
Nitrogen Oxide	TM3	9	23	27	89	51	124	0.0301	0.3873	0.916	0.7983	1.0441	1.3227	2.243		0.6982	0.2766	0.5204	1.0693	2.0468	3.55	2.8773	2.6569	0.2012	1.1335	1.82822
Nitrogen Oxide	TM3	9	24	26	89	52	85	0.0311	0.4015	0.9307	0.8097	1.0622	1.3464	2.2754		0.727	0.282	0.5306	1.084	2.0785	3.5997	2.9199	2.7206	0.2124	1.39579	2.25127
Nitrogen Oxide	TM3	10	1	24	74	52	48	0.0372	0.4815	1.0244	0.8873	1.1782	1.5036	2.5239		0.8712	0.3176	0.5983	1.2025	2.3056	3.9929	3.2387	3.0178	0.2612	1.15725	1.86734
Nitrogen Oxide	TM3	10	2	23	74	53	26	0.0391	0.5025	1.0322	0.8927	1.1871	1.5154	2.536		0.8939	0.3208	0.6036	1.2074	2.3189	4.0104	3.2553	3.06	0.2711	0.96203	1.55166
Nitrogen Oxide	TM3	10	3	23	74	53	24	0.0381	0.4911	1.0325	0.8927	1.1871	1.5154	2.536		0.8939	0.3208	0.6036	1.2074	2.3189	4.0104	3.2553	3.06	0.2711	1.02224	1.64877
Nitrogen Oxide	TM3	10	4	23	75	53	21	0.0379	0.4883	1.0292	0.89	1.1831	1.51	2.5273		0.8888	0.3195	0.6013	1.2034	2.311	3.9968	3.2443	3.0496	0.2694	1.06797	1.72253
Nitrogen Oxide	TM3	10	5	23	74	53	21	0.0381	0.4911	1.0325	0.8927	1.1871	1.5154	2.536		0.8939	0.3208	0.6036	1.2074	2.3189	4.0104	3.2553	3.06	0.2711	0.99806	1.60978
Nitrogen Oxide	TM3	10	6	23	75	53	44	0.0379	0.4883	1.0292	0.89	1.1831	1.51	2.5273		0.8888	0.3195	0.6013	1.2034	2.311	3.9968	3.2443	3.0496	0.2694	0.85445	1.37815
Nitrogen Oxide	TM3	10	7	23	75	51	98	0.0382	0.4954	1.0451	0.9058	1.2049	1.5422	2.5882		0.9021	0.3262	0.6151	1.2338	2.3619	4.0965	3.3201	3.1066	0.2706	0.92012	1.48406
Nitrogen Oxide	TM3	10	8	25	72	37	299	0.0446	0.6425	1.2261	1.083	1.4183	1.8569	3.2198		1.076	0.4004	0.7586	1.5378	2.9626	5.1314	4.0965	3.9249	0.2606	1.01313	1.63408
Nitrogen Oxide	TM3	10	9	24	69	35	884	0.0453	0.5839	1.2536	1.111	1.4492	1.9026	3.3258		1.0937	0.4118	0.7801	1.5843	2.9395	5.3061	4.2239	4.0783	0.2888	1.8355	2.96048
Nitrogen Oxide	TM3	10	10	25	64	35	1144	0.0459	0.59	1.2579	1.114	1.4536	1.9089	3.336		1.0996	0.4129	0.7829	1.5892	2.9484	5.3224	4.2368	4.091	0.2906	2.02233	3.26182
Nitrogen Oxide	TM3	10	11	26	61	35	1136	0.0459	0.5903	1.2547	1.1105	1.4485	1.9018	3.3244		1.0937	0.411	0.7798	1.5837	2.9382	5.3038	4.222	4.0767	0.2888	1.78218	2.87448
Nitrogen Oxide	TM3	10	12	27	60	44	1079	0.0411	0.5305	1.1136	0.9722	1.2836	1.6576	2.8232		0.9509	0.3522	0.6672	1.3489	2.5503	4.4823	3.6096	3.3712	0.271	1.49533	2.41182
Nitrogen Oxide	TM3	10	13	27	59	44	1012	0.0414	0.5344	1.1181	0.9761	1.2892	1.6654	2.8356		0.958	0.3539	0.6705	1.3548	2.5615	4.5021	3.6255	3.386	0.2723	1.55828	2.51335
Nitrogen Oxide	TM3	10	14	27	59	43	934	0.0417	0.5382	1.1302	0.988	1.3031	1.6844	2.8782		0.9692	0.3588	0.6801	1.3752	2.5951	4.5721	3.6778	3.4472	0.2757	1.53788	2.48021
Nitrogen Oxide	TM3	10	15	27	60	41	1093	0.0423	0.5461	1.1513	1.0095	1.3275	1.7228	2.9565		0.9863	0.3676	0.6971	1.4123	2.6546	4.701	3.7728	3.5613	0.2744	1.62905	2.62751
Nitrogen Oxide	TM3	10	16	27	62	41	1088	0.0416	0.5377	1.1419	1.0016	1.3159	1.7067	2.9304		0.9718	0.3641	0.6901	1.3999	2.6313	4.6597	3.7397	3.5303	0.2697	1.60901	2.59517
Nitrogen Oxide	TM3	10	17	26	65	34	1076	0.0451	0.5804	1.2531	1.1116	1.4448	1.8986	3.335		1.0808	0.411	0.7794	1.5875	2.9382	5.3242	4.2316	4.1023	0.2816	1.83213	2.92419
Nitrogen Oxide	TM3	10	18	25	67	29	1029	0.0489	0.6233	1.3681	1.2296	1.576	2.0933	3.7525		1.1913	0.4469	0.869	1.7755	3.2456	6.0103	4.735	4.6886	0.2954	1.97406	3.18396
Nitrogen Oxide	TM3	10	19	25	69	51	907	0.0469	0.6001	1.311	1.1697	1.5141	1.9989	3.5554		1.134	0.4367	0.8263	1.6869	3.0991	5.6868	4.4147	4.4114	0.2767	1.63568	2.6382
Nitrogen Oxide	TM3	10	20	25	71	41	583	0.0408	0.5268	1.1368	0.9987	1.3115	1.7008	2.9209		0.9658	0.3631	0.6874	1.3953	2.6227	4.6445	3.7275	3.5187	0.2679	0.99646	1.60719
Nitrogen Oxide	TM3	10	21	24	71	44	494	0.0406	0.5245	1.116	0.9763	1.2897	1.6661	2.8366		0.9574	0.3547	0.6706	1.3553	2.5625	4.5037	3.6267	3.3872	0.2731	0.97955	1.57991
Nitrogen Oxide	TM3	10	22	24	72	50	207	0.0385	0.4981	1.0515	0.9125	1.2135	1.554	2.6147		0.9017	0.3286	0.6202	1.2471	2.3833	4.14	3.3528	3.0678	0.2681	1.16399	1.8774
Nitrogen Oxide	TM3	10	23	24	72	51	124	0.0379	0.4912	1.0395	0.9012	1.1978	1.5314	2.5732		0.8888	0.3238	0.6103	1.2267	2.3482	4.0727	3.3008	3.0482	0.2655	1.31105	2.11459
Nitrogen Oxide	TM3	10	24	24	72	52	85	0.0372	0.4807	1.0315	0.8931	1.1868	1.5153	2.5424		0.882	0.3203	0.6032	1.2112	2.3225	4.0222	3.2624	3.0399	0.265	1.56746	2.52816
Nitrogen Oxide	TM3	11	1	24	73	52	48	0.0399	0.5174	1.0667	0.9223	1.2304	1.5772	2.6307		0.9524	0.3335	0.6312	1.2557	2.4077	4.1698	3.3883	3.1515	0.2764	1.21564	1.9607
Nitrogen Oxide	TM3	11	2	21	74	53	26	0.04	0.5162	1.0617	0.9168	1.2229	1.5664	2.6125		0.9501	0.3326	0.6262	1.2438	2.3888	4.1314	3.3536	3.1523	0.2916	0.99583	1.60617
Nitrogen Oxide	TM3	11	3	21	74	53	24	0.04	0.5162	1.0617	0.9168	1.2229	1.5664	2.6125		0.9501	0.3326	0.6262	1.2438	2.3888	4.1314	3.3536	3.1523	0.2916	1.0574	1.70548
Nitrogen Oxide	TM3	11	4	21	74	53	21	0.04	0.5162	1.0617	0.9168	1.2229	1.5664	2.6125		0.9501	0.3326	0.6262	1.2438	2.3888	4.1314	3.3536	3.1523	0.2916	1.10804	1.78717
Nitrogen Oxide	TM3	11	5	21	74	53	21	0.04	0.5162	1.0617	0.9168	1.2229	1.5664	2.6125		0.9501	0.3326	0.6262	1.2438	2.3888	4.1314	3.3536	3.1523	0.2916	1.03264	1.66555
Nitrogen Oxide	TM3	11	6	21	73	53	44	0.0402	0.5185	1.0645	0.9192	1.2264	1.5712	2.62		0.9546	0.3338	0.6283	1.2474	2.3957	4.1414	3.3833	3.1613	0.2931	1.43266	2.31091
Nitrogen Oxide	TM3	11	7	21	73	51	98	0.0406	0.526	1.0859	0.9354	1.2491	1.6044	2.6832		0.9689	0.3408	0.6427	1.279	2.4485	4.2466	3.4419	3.1783	0.2944	0.9563	1.54242
Nitrogen Oxide	TM3	11	8	21	70	37	299	0.0471	0.6079	1.2658	1.1171	1.4681	1.9292	3.3327		1.1517	0.4173	0.7909	1.5897	2.963	5.311	4.2401	4.0626	0.315	1.05253	1.69763
Nitrogen Oxide	TM3	11	9	22	66	35	884	0.0482	0.6208	1.2989	1.1499	1.5059	1.9849	3.4562		1.1774	0.4309	0.8168	1.6465	3.0547	5.5141	4.3894	4.2384	0.3151	1.91102	3.08229
Nitrogen Oxide	TM3	11	10	23	61	35	1144	0.0485	0.6244	1.3026	1.153	1.5104	1.9896	3.4664		1.1762	0.4317	0.8186	1.6513	3.0638	5.5306	4.4025	4.2509	0.3141	2.10393	3.39344
Nitrogen Oxide	TM3	11	11	25	57	35	1136	0.0479	0.6167	1.2891	1.1407	1.4925	1.9631	3.4253		1.1482	0.4252	0.8067	1.6318	3.0274	5.4648	4.3502	4.2004	0.3051	1.83767	2.96398
Nitrogen Oxide	TM3	11	12	25	56	44	1079	0.0436	0.5644	1.1598	1.0122	1.3429	1.7391	2.9536		1.0237	0.3708	0.7023	1.4112	2.6682	4.6895	3.7763	3.5269	0.2945	1.56413	2.52602
Nitrogen Oxide	TM3	11	13	25	54	44	1012	0.0436	0.5644	1.1598	1.0122	1.3429	1.7391	2.9536		1.0237	0.3708	0.7023	1.4112	2.6682	4.6895	3.7763	3.5269	0.2945	1.62455	2.62025
Nitrogen Oxide	TM3	11	14	26	56	43	934	0.0433	0.5605	1.1586	1.0124	1.3396	1.7361	2.9581		1.0137	0.3702	0.7016	1.4134	2.6672	4.6988	3.7798	3.5427	0.2886	1.60218	2.58416
Nitrogen Oxide	TM3	11	15	26	57	41	1093	0.0439	0.5679	1.1806	1.0348	1.3649	1.7743	3.0395		1.0323	0.3794	0.7195	1.452	2.7293	4.8333	3.879	3.6616	0.2888	1.67591	2.70308
Nitrogen Oxide	TM3	11	16	25	58	41	1088	0.0444	0.574	1.1909	1.044	1.3786	1.7932	3.0701		1.0489	0.3838	0.7276	1.4666	2.7566	4.8817	3.9178	3.6964	0.2941	1.68757	2.72189
Nitrogen Oxide	TM3	11	17	24	63	34	1076	0.0476	0.6129	1.2968	1.1504	1.5012	1.9776	3.4652		1.1504	0.4295	0.8139	1.6494	3.053	5.532	4.3987	4.2623	0.3023	1.88552	3.04116
Nitrogen Oxide	TM3	11	18	23	64	29	1029	0.0514	0.6552	1.4102	1.2672	1.6298	2.1789	3.8805		1.2645	0.4876	0.9036	1.8361	3.3564	6.2153	4.8965	4.8486	0.3166	2.04358	3.2961
Nitrogen Oxide	TM3	11	19	23	70	31	907	0.0488	0.6255	1.3445	1.1994	1.5544	2.0608	3.6565		1.1954	0.4513	0.8539	1.735	3.1872	5.8486	4.6248	4.5396	0.3049	1.684	2.71613
Nitrogen Oxide	TM3	11	20	22	70	41	583	0.0441	0.5699	1.1903	1.0445	1.3792	1.7967	3.0714		1.0608	0.3853	0.7296	1.4672	2.7578	4.8838	3.9196	3.7	0.2991	1.05086	1.69493
Nitrogen Oxide	TM3	11	21	22	72	44	494	0.0424

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:

(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.

(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Oxide	TM5	2	7	16	83	51	97	0.0456	0.5941	1.1248	0.9675	1.2967	1.6763	2.7856		1.0607	0.3594	0.6756	1.3279	2.542	4.4088	3.5733	3.2998	0.329	1.01251	1.63308
Nitrogen Oxide	TM5	2	8	17	81	35	286	0.0522	0.6735	1.3304	1.174	1.5407	2.0421	3.536		1.2578	0.4462	0.8437	1.6844	3.1252	5.6415	4.4908	4.3363	0.3428	1.09189	1.76111
Nitrogen Oxide	TM5	2	9	18	77	34	741	0.0519	0.6681	1.3444	1.1895	1.538	2.0672	3.5965		1.2644	0.452	0.8553	1.7119	3.1686	5.7415	4.5633	4.4239	0.3401	1.75663	2.83328
Nitrogen Oxide	TM5	2	10	19	73	34	843	0.0509	0.6559	1.3404	1.1871	1.5546	2.0606	3.5886		1.2524	0.4499	0.8521	1.7081	3.1616	5.7288	4.5532	4.4114	0.3358	1.78934	2.88603
Nitrogen Oxide	TM5	2	11	20	70	34	832	0.0507	0.6508	1.3534	1.2019	1.5704	2.0833	3.6468		1.2564	0.4554	0.8628	1.7342	3.202	5.8254	4.6224	4.4994	0.3324	1.51937	2.4506
Nitrogen Oxide	TM5	2	12	20	68	42	801	0.0459	0.5936	1.2113	1.0605	1.4066	1.8357	3.119		1.1148	0.3945	0.7466	1.4902	2.8066	4.9569	3.9829	3.7462	0.3206	1.28489	2.07241
Nitrogen Oxide	TM5	2	13	21	65	42	744	0.0456	0.5897	1.2073	1.057	1.4015	1.8273	3.1077		1.1018	0.3921	0.7427	1.4848	2.7965	4.9391	3.9686	3.7328	0.3158	1.34379	2.1674
Nitrogen Oxide	TM5	2	14	21	65	42	693	0.0456	0.5897	1.2073	1.057	1.4015	1.8273	3.1077		1.1018	0.3921	0.7427	1.4848	2.7965	4.9391	3.9686	3.7328	0.3158	1.32769	2.14143
Nitrogen Oxide	TM5	2	15	21	66	41	803	0.0459	0.5931	1.218	1.068	1.4137	1.846	3.1484		1.1107	0.3967	0.7514	1.504	2.827	5.0063	4.0178	3.7928	0.3153	1.37508	2.21787
Nitrogen Oxide	TM5	2	16	20	68	44	804	0.043	0.5825	1.185	1.0345	1.3757	1.7897	3.0259		1.0887	0.3832	0.7255	1.4457	2.7333	4.8042	3.8687	3.6132	0.3182	1.34974	2.17674
Nitrogen Oxide	TM5	2	17	20	70	33	768	0.0507	0.6508	1.3534	1.2019	1.5704	2.0833	3.6468		1.2564	0.4554	0.8628	1.7342	3.202	5.8254	4.6224	4.4994	0.3324	1.50293	2.42409
Nitrogen Oxide	TM5	2	18	19	74	33	755	0.0514	0.6612	1.3568	1.2039	1.5731	2.0892	3.6533		1.2674	0.4572	0.8656	1.7373	3.2078	5.8359	4.6308	4.5075	0.3364	1.5022	2.42291
Nitrogen Oxide	TM5	2	19	18	76	33	798	0.0527	0.6793	1.367	1.2115	1.5842	2.1065	3.6789		1.2895	0.4617	0.8737	1.7495	3.2303	5.8768	4.6633	4.5391	0.3435	1.5769	2.54338
Nitrogen Oxide	TM5	2	20	18	78	34	552	0.0516	0.6654	1.3415	1.1871	1.5545	2.0621	3.5882		1.2597	0.4509	0.8531	1.708	3.1613	5.7283	4.5528	4.4137	0.3387	1.20806	1.94848
Nitrogen Oxide	TM5	2	21	18	78	34	468	0.0516	0.6654	1.3415	1.1871	1.5545	2.0621	3.5882		1.2597	0.4509	0.8531	1.708	3.1613	5.7283	4.5528	4.4137	0.3387	1.97719	1.72586
Nitrogen Oxide	TM5	2	22	18	78	50	186	0.0437	0.5678	1.118	0.9659	1.2931	1.6699	2.7862		1.0361	0.3567	0.6721	1.3288	2.5396	4.4115	3.5725	3.2689	0.3171	1.30222	2.10035
Nitrogen Oxide	TM5	2	23	18	78	51	104	0.0433	0.5635	1.109	0.957	1.281	1.652	2.7518		1.0277	0.3528	0.6643	1.3118	2.5112	4.3554	3.53	3.2598	0.3164	1.5523	2.50371
Nitrogen Oxide	TM5	2	24	18	78	52	71	0.0431	0.5595	1.1005	0.9484	1.2693	1.6347	2.7189		1.02	0.3491	0.6568	1.2953	2.4838	4.3014	3.489	3.251	0.3156	1.89763	3.0607
Nitrogen Oxide	TM5	3	1	21	86	52	40	0.0378	0.4905	1.0549	0.8961	1.1912	1.5245	2.5516		0.9025	0.3253	0.6081	1.2157	2.331	4.0368	3.2744	3.051	0.2736	1.27767	2.06076
Nitrogen Oxide	TM5	3	2	20	87	53	25	0.0387	0.499	1.0401	0.899	1.1962	1.5314	2.5556		0.9216	0.3251	0.6114	1.2168	2.3368	4.0415	3.2806	3.0837	0.2823	1.00987	1.62882
Nitrogen Oxide	TM5	3	3	20	87	53	23	0.0387	0.499	1.0401	0.899	1.1962	1.5314	2.5556		0.9216	0.3251	0.6114	1.2168	2.3368	4.0415	3.2806	3.0837	0.2823	1.07594	1.73539
Nitrogen Oxide	TM5	3	4	20	87	53	21	0.0387	0.499	1.0401	0.899	1.1962	1.5314	2.5556		0.9216	0.3251	0.6114	1.2168	2.3368	4.0415	3.2806	3.0837	0.2823	1.08269	1.74627
Nitrogen Oxide	TM5	3	5	20	87	53	21	0.0387	0.499	1.0401	0.899	1.1962	1.5314	2.5556		0.9216	0.3251	0.6114	1.2168	2.3368	4.0415	3.2806	3.0837	0.2823	1.00852	1.62665
Nitrogen Oxide	TM5	3	6	20	87	53	44	0.0387	0.499	1.0401	0.899	1.1962	1.5314	2.5556		0.9216	0.3251	0.6114	1.2168	2.3368	4.0415	3.2806	3.0837	0.2823	0.86558	1.3961
Nitrogen Oxide	TM5	3	7	20	87	51	97	0.0391	0.5063	1.0562	0.915	1.2184	1.5638	2.6172		0.9354	0.332	0.6254	1.2476	2.3883	4.1422	3.3573	3.1002	0.2836	0.94113	1.51796
Nitrogen Oxide	TM5	3	8	20	86	35	286	0.0461	0.5931	1.2639	1.1199	1.462	1.9264	3.3553		1.1349	0.4183	0.7918	1.5984	2.9656	5.3353	4.2613	4.1147	0.3036	1.02356	1.6509
Nitrogen Oxide	TM5	3	9	21	83	34	741	0.0461	0.5922	1.2733	1.1304	1.4712	1.9411	3.3978		1.1326	0.4219	0.7987	1.6117	2.9893	5.4233	4.3121	4.1494	0.2987	1.41267	2.26296
Nitrogen Oxide	TM5	3	10	22	79	34	845	0.0457	0.5878	1.2689	1.1266	1.4665	1.9318	3.385		1.1191	0.4196	0.7944	1.6112	2.9823	5.4041	4.2951	4.1638	0.2941	1.68037	2.71027
Nitrogen Oxide	TM5	3	11	22	78	33	832	0.0466	0.5984	1.2912	1.1483	1.4924	1.9704	3.4657		1.143	0.429	0.8123	1.648	3.0431	5.5363	4.393	4.276	0.2976	1.43923	2.32133
Nitrogen Oxide	TM5	3	12	23	77	42	801	0.041	0.5295	1.1358	0.9967	1.3125	1.7016	2.9104		0.9779	0.3634	0.6874	1.3905	2.6189	4.6254	3.7165	3.4957	0.275	1.19305	1.92427
Nitrogen Oxide	TM5	3	13	23	77	42	744	0.041	0.5295	1.1358	0.9967	1.3125	1.7016	2.9104		0.9779	0.3634	0.6874	1.3905	2.6189	4.6254	3.7165	3.4957	0.275	1.2533	2.02146
Nitrogen Oxide	TM5	3	14	23	77	42	693	0.041	0.5295	1.1358	0.9967	1.3125	1.7016	2.9104		0.9779	0.3634	0.6874	1.3905	2.6189	4.6254	3.7165	3.4957	0.275	1.2383	1.99726
Nitrogen Oxide	TM5	3	15	23	76	41	803	0.0416	0.538	1.1526	1.0128	1.3322	1.7305	2.9669		0.996	0.3702	0.7005	1.4173	2.664	4.7176	3.7862	3.5741	0.278	1.2912	2.08258
Nitrogen Oxide	TM5	3	16	23	77	44	804	0.0402	0.5195	1.1112	0.9724	1.2837	1.6589	2.8235		0.9549	0.3533	0.6678	1.3491	2.5506	4.4829	3.61	3.3716	0.2728	1.23516	1.9922
Nitrogen Oxide	TM5	3	17	22	79	33	768	0.0464	0.5953	1.2875	1.145	1.4876	1.9637	3.4548		1.137	0.4276	0.8094	1.6429	3.0335	5.5187	4.379	4.2625	0.2958	1.4187	2.28823
Nitrogen Oxide	TM5	3	18	22	82	33	755	0.0456	0.5857	1.2761	1.1352	1.4734	1.9438	3.4218		1.1191	0.423	0.8006	1.6272	3.0045	5.4661	4.3373	4.2218	0.2905	1.39954	2.25732
Nitrogen Oxide	TM5	3	19	21	84	33	798	0.0465	0.5967	1.2884	1.1459	1.4888	1.9648	3.4575		1.1451	0.4285	0.8111	1.6441	3.0357	5.5229	4.3824	4.2657	0.2989	1.47375	2.37702
Nitrogen Oxide	TM5	3	20	21	86	34	552	0.0456	0.5863	1.2663	1.1244	1.4632	1.9287	3.3776		1.1215	0.4191	0.7933	1.6077	2.9758	5.3921	4.2856	4.1546	0.2954	1.12918	1.82126
Nitrogen Oxide	TM5	3	21	21	86	34	468	0.0454	0.5834	1.2629	1.1214	1.4588	1.9227	3.3675		1.1159	0.4177	0.7906	1.6029	2.9668	5.3759	4.2728	4.1422	0.2937	1.1428	1.84323
Nitrogen Oxide	TM5	3	22	21	86	50	186	0.0385	0.4979	1.0515	0.9126	1.2136	1.5574	2.6148		0.917	0.3301	0.6225	1.2471	2.3833	4.1401	3.3528	3.0678	0.2749	1.21342	1.95713
Nitrogen Oxide	TM5	3	23	21	85	51	104	0.0383	0.4966	1.046	0.9066	1.2059	1.5455	2.5903		0.9141	0.3275	0.6173	1.2348	2.3638	4.0998	3.3228	3.0684	0.2758	1.45309	2.3437
Nitrogen Oxide	TM5	3	24	21	86	52	71	0.0378	0.4905	1.0349	0.8961	1.1912	1.5245	2.5516		0.9025	0.3253	0.6081	1.2157	2.331	4.0368	3.2744	3.051	0.2736	1.77408	2.86142
Nitrogen Oxide	TM5	4	1	20	83	52	40	0.0395	0.5116	1.0588	0.9158	1.2205	1.5655	2.6145		0.9454	0.3325	0.6261	1.2456	2.3883	4.1362	3.3549	3.126	0.2888	1.31299	2.11772
Nitrogen Oxide	TM5	4	2	20	85	53	25	0.0391	0.5035	1.0454	0.9034	1.2029	1.5404	2.5698		0.9302	0.3271	0.6153	1.2235	2.3497	4.0638	3.2987	3.1007	0.2853	1.0161	1.63888
Nitrogen Oxide	TM5	4	3	20	84	53	23	0.0393	0.5058	1.0482	0.9056	1.2063	1.5449	2.5768		0.9344	0.3282	0.6173	1.2269	2.3562	4.0751	3.3078	3.1093	0.2867	1.08584	1.75135
Nitrogen Oxide	TM5	4	4	20	85	53	21	0.0391	0.5035	1.0454	0.9034	1.2029	1.5404	2.5698		0.9302	0.3271	0.6153	1.2235	2.3497	4.0638	3.2987	3.1007	0.2853	1.08918	1.75674
Nitrogen Oxide	TM5	4	5	19	84	53	21	0.0404	0.521	1.0629	0.9175	1.2238	1.5701	2.6145		0.9627	0.3343	0.6284	1.2448	2.3906	4.1346	3.3561	3.1546	0.2971	1.03552	1.67019
Nitrogen Oxide	TM5	4	6	19	84	53	44	0.0404	0.521	1.0629	0.9175	1.2238	1.5701	2.6145		0.9627	0.3343	0.6284	1.2448	2.3906	4.1346	3.3561	3.1546	0.2971	0.88733	1.4315
Nitrogen Oxide	TM5	4	7	20	84	51	97	0.0395	0.5113	1.0643	0.9217	1.2294	1.5776	2.6389		0.9484	0.3353	0.6315	1.258	2.4081	4.1766	3.3851	3.1216	0.2883	0.94929	1.53112
Nitrogen Oxide	TM5	4	8	21	79	35	286	0.0464	0.5966	1.2693	1.1246	1.4689	1.9346	3.3711		1.1371	0.4197	0.795	1.6059	2.9795	5.3783	4.2814	4.134	0.3036	1.02836	1.65864
Nitrogen Oxide	TM5	4	9	22	73	34	741	0.0471	0.6067	1.2912	1.1458	1.4945	1.971	3.4496		1.1545	0.4284	0.8117	1.642	3.0392	5.5071	4.3769	4.2432	0.3047	1.67685	2.70459
Nitrogen Oxide	TM5	4	10	23	69	34	845	0.047	0.6052	1.2892	1.1439	1.4919	1.9659	3.4437		1.1446	0.4271	0.809	1.6391	3.0339	5.4973	4.3694	4.2359	0.3011	1.71042	2.75874
Nitrogen Oxide	TM5	4	11	23	68	33	832	0.048	0.6162	1.3121	1.1661	1.5184	2.0054	3.5263		1.1693	0.4368	0.8274	1.6768	3.0962	5.6329	4.4696	4.3507	0.3048	1.46526	2.36332
Nitrogen Oxide	TM5	4	12	24	66	42	801	0.0427	0.5514	1.1601	1.017	1.3425	1.7418	2.9769		1.0102	0.3722	0.7046	1.4223	2.6787	4.7311	3.8015	3.5757	0.2847	1.22182	1.97068
Nitrogen Oxide	TM5	4	13	24	65	42	744	0.0429	0.5547	1.1647	1.0202	1.3473	1.7484	2.9875		1.0161	0.3737	0.7074	1.4273	2.6883	4.748	3.8135	3.5883	0.2866	1.20777	1.94662
Nitrogen Oxide	TM5	4	14	24	66	42	693	0.0427	0.5514	1.1601	1.017	1.3425	1.7418	2.9769		1.0102	0.3722	0.7046	1.4223	2.6787	4.7311	3.8015	3.5757	0.2847	1.26806	2.04526
Nitrogen Oxide	TM5	4	15	24	66	41	803	0.0431	0.5569	1.1735	1.0302	1.3581	1.7648	3.0244		1.023	0.3778	0.7152	1.4448	2.7156	4.809	3.8595	3.6434	0.2859	1.31735	2.12476
Nitrogen Oxide	TM5	4	16	24	67	44	804	0.0415	0.5377	1.1312	0.9889	1.3084	1.6918	2.8777		0.9806	0.3604	0.6817	1.3749	2.5996	4.569	3.6794	3.4364	0.2806	1.26002	2.03229
Nitrogen Oxide	TM5	4	17	23	69	33	768	0.0477	0.6128	1.308	1.1626	1.5134	1.9983	3.5145		1.163	0.4352	0.8243	1.6713	3.086	5.6142	4.4549	4.3363	0.3029	1.44415	2.32927
Nitrogen Oxide	TM5	4	18	22	74	33	755	0.0476	0.6111	1.3063	1.1613	1.5113	1.9969	3.5096		1.167	0.4351	0.824	1.669	3.0816	5.6064	4.4486	4.3302	0.3047	1.45746	2.35148
Nitrogen Oxide	TM5	4	19	22	76	33	798	0.0471	0.6067	1.2912	1.1547	1.5019	1.9836	3.4876		1.155	0.4321	0.8182	1.6524	3.0624	5.5573	4.4208	4.3031	0.3011	1.43679	2.39804
Nitrogen Oxide	TM5	4	20	21	79	34	552	0.0469	0.6038	1.2873	1.1423	1.4895	1.9656	3.4381		1.1548	0.4274	0.8095	1.6365	3.029	5.4887	4.3624	4.229	0.3053	1.15064	1.85587
Nitrogen Oxide	TM5	4	21	21	80	34	468	0.0468	0.6009	1.2838	1.1393	1.4851	1.9594	3.428		1.1493	0.4261	0.8068	1.6317	3.0201	5.4726	4.3496	4.2166	0.3037	1.16448	1.87819
Nitrogen Oxide	TM5	4	22	21	82	50	186	0.0395	0.5104	1.0663	0.9247	1.2318	1.5821	2.6539		0.94	0.3356	0.6332	1.2657	2.419	4.2021	3.4031	3.1138	0.2826	1.23282	1.98843
Nitrogen Oxide	TM5	4	23	21	82	51	104	0.0389	0.5041	1.0547	0.9138	1.2166	1.5603	2.6136		0.9278	0.3309	0.6236	1.2459	2.385	4.1365	3.3526	3.096	0.2804	1.46687	2.36591
Nitrogen Oxide	TM5	4	24	20	82	52	71	0.0386	0.5138	1.0615	0.918	1.2238	1.5701	2.6216		0.9497	0.3336	0.6282	1.249	2.3989	4.1476	3.3642	3.1346	0.2843	1.82538	2.94416
Nitrogen Oxide	TM5	5	1	26	91	52	40	0.0305	0.3944	0.9227	0.8032	1.0524	1.3331	2.2544		0.7147	0.2791	0.5249	1.0741	2.0594	3.5665	2.8929	2.6956	0.2082	1.11314	1.79538
Nitrogen Oxide	TM5	5	2	25	92	53	25	0.0316	0.4055	0.9332	0.811	1.065	1.3493	2.2752		0.7368	0.2833	0.5317	1.0833	2.0804	3.598	2.9206	2.7453	0.2172	0.8836	1.42516
Nitrogen Oxide	TM5	5	3	25	92	53	23	0.0316	0.4055	0.9332	0.811	1.065	1.3493	2.2752		0.7368	0.2833	0.5317	1.0833	2.0804	3.598	2.9206	2.7453	0.2172	0.94328	1.52142
Nitrogen Oxide	TM5	5	4	25	91	53	21	0.0319	0.4089	0.9369	0.814	1.0696	1.3554	2.2849		0.7425	0.2844	0.5343	1.0879	2.0893	3.6135	2.9331	2.7571	0.2191	0.95656	1.54283
Nitrogen Oxide	TM5	5	5	25	92	53	21	0.0316	0.4055	0.9332	0.811	1.065	1.3493	2.2752		0.7368	0.2833	0.5317	1.0833	2.0804	3.598	2.9206	2.7453	0.2172	0.88354	1.42506
Nitrogen Oxide	TM5	5	6	25	92	53	44	0.0314	0.4022	0.9295	0.808	1.0604	1.3431	2.2654		0.7311	0.2817	0.5297	1.0786	2.0715	3.5827	2.908	2.7336	0.2154	0.76016	1.22606
Nitrogen Oxide	TM5	5	7	26	91	51	97	0.0308	0.3972	0.9301	0.8103	1.0622	1.3472	2.2817		0.7203	0.2821	0.531	1.0877	2.0822	3.6113	2.927	2.7029	0.2087	0.81272	1.31084
Nitrogen Oxide	TM5	5	8	27	85	35	286	0.0366	0.4697	1.1152	0.9916	1.2747	1.6591	2.9254		0.8768	0.356	0.6733	1.3936	2.5855	4.6673	3.7153	3.5875	0.2238	0.87918	1.41803
Nitrogen Oxide	TM5	5	9	28	80	34	741	0.0376	0.4809	1.1317	1.0072	1.2924	1.6853	2.9832		0.8907	0.3627	0.6856	1.4199	2.6283	4.7624	3.7851	3.6694	0.2252	1.43955	2.32185
Nitrogen Oxide	TM5	5	10	28	84	33	845	0.0383	0.4908	1.1427	1.0165	1.3059	1.7043	3.0145		0.9077	0.367	0.6941	1.4348	2.6558	4.8124	3.8248	3.7079	0.2302	1.48796	2.39993
Nitrogen Oxide	TM5	5	11	29	77	33	832	0.0378	0.4842	1.1394	1.0152	1.2987	1.6959	3.0161		0.8903	0.3639	0.6912	1.4342	2.6483	4.8179	3.823	3.7233	0.2272	1.24424	2.00684
Nitrogen Oxide	TM5	5	12	29	75	42	801	0.0347	0.4478	1.0245	0.9005	1.1702	1.5045	2.5948		0.798	0.3185	0.6018	1.2397	2.3349	4.1239	3.3136	3.1167	0.2172	1.05811	1.70663
Nitrogen Oxide	TM5	5	13	29	74	42	744	0.0351	0.4526	1.0299	0.9049	1.1767	1.5135	2.6093		0.8062	0.3205	0.6057	1.2466	2.3479	4.1468	3.332	3.1341	0.2198	1.11857	1.80414
Nitrogen Oxide	TM5	5	14	29	75	42	693	0.0347	0.4478	1.0245	0.9005	1.1702	1.5045	2.5948		0.798	0.3185	0.6018	1.2397	2.3349	4.1239	3.3136	3.1167	0.2172	1.09866	1.77203
Nitrogen Oxide	TM5	5	15	29	75	41	803	0.0351	0.4522	1.0365	0.9122	1.1837	1.5244	2.6362		0.8083	0.3233	0.6108	1.2593	2.3671	4.1918	3.3642	3.1757	0.2181	1.14178	1.84158
Nitrogen Oxide	TM5	5	16	29	77	44	804	0.0334	0.4297	0.9919	0.8659	1.1318	1.4493	2.4894		0.7633	0.3056	0.577	1.1894	2.2487	3.9524	3.1828	2.9726	0.2104	1.08292	1.74665
Nitrogen Oxide	TM5	5	17	28	81	34	768	0.0388	0.497	1.1596	1.033	1.3248	1.7324	3.0765		0.9224	0.3741	0.7072	1.4429	2.7013	4.9143	3.8996	3.7959	0.2315	1.25573	2.02537
Nitrogen Oxide	TM5	5	18	28	81	33	755	0.0376	0.4822	1.1429	1.019	1.3042	1.7035	3.0286		0.8966	0.3675	0.6944	1.4402	2.6593	4.838	3.8389	3.7367	0.224	1.23079	1.98514
Nitrogen Oxide	TM5	5	19	27	84	33	798	0.0379	0.4859	1.1529	1.0282	1.3176	1.7225	3.06		0.9131	0.3717	0.7028	1.4551	2.6868	4.888	3.8787	3.7754	0.2289	1.2956	2.08968
Nitrogen Oxide	TM5	5	20	27	87	34	552	0.0364	0.4663	1.1208	0.9985	1.2797	1.6677	2.9541		0.8747	0.3587	0.6779	1.4061	2.6027	4.716	3.7482	3.6336	0.2204	0.97905	1.57912
Nitrogen Oxide	TM5	5	21	27	88	34	468	0.036	0.4618	1.1157	0.9942	1.2734	1.6588	2.9394		0.8667	0.3566	0.674	1.3991	2.5897	4.6925	3.7296	3.6156	0.218	0.98965	1.59621
Nitrogen Oxide	TM5	5	22	26	89	50	186	0.0316	0.4075	0.9458	0.8246	1.0822	1.3753	2.5316		0.7388	0.2883	0.5432	1.1121	2.1253	3.6918	2.9898	2.7357	0.2134	1.07254	1.72991
Nitrogen Oxide	TM5	5	23	26	89	51	104	0.0314	0.4044	0.9381	0.817	1.0721	1.3606	2.5029		0.7326	0.2853	0.5368	1.0978	2.1015	3.6449	2.9541	2.728	0.2129	1.26165	2.06719
Nitrogen Oxide	TM5	5	24	26	90	52	71	0.0308	0.3978	0.9267	0.8065	1.0573	1.3397	2.2648		0.7208	0.2806	0.5277	1.079	2.069	3.5852	2.9064	2.7081	0.2103	1.56535	2.52475
Nitrogen Oxide	TM5	6	1	28	91	52	40	0.0288	0.3721	0.8903	0.7754	1.011	1.2769	2.1656		0.6634	0.2665	0.5006	1.0318	1.9783	3.4261	2.779	2.5894	0.1909	1.0656	1.71871
Nitrogen Oxide	TM5	6	2	27	89	53	25	0.0298	0.3817	0.9018	0.7844	1.0253	1.2953	2

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:

(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.

(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Oxide	TM5	8	12	30	73	42	801	0.0343	0.4426	1.0123	0.8896	1.1541	1.4822	2.559		0.7783	0.3137	0.5921	1.2226	2.3027	4.067	3.2678	3.0737	0.2109	1.04343	1.68295
Nitrogen Oxide	TM5	8	13	30	74	42	744	0.034	0.4375	1.0067	0.8849	1.1472	1.4727	2.5437		0.7697	0.3115	0.588	1.2153	2.2889	4.0426	3.2482	3.0553	0.2081	1.0895	1.75725
Nitrogen Oxide	TM5	8	14	30	74	42	693	0.034	0.4375	1.0067	0.8849	1.1472	1.4727	2.5437		0.7697	0.3115	0.588	1.2153	2.2889	4.0426	3.2482	3.0553	0.2081	1.07652	1.73632
Nitrogen Oxide	TM5	8	15	30	75	41	803	0.0339	0.4366	1.0128	0.8917	1.1534	1.4826	2.5686		0.7708	0.3114	0.5927	1.2271	2.3065	4.0845	3.278	3.0944	0.2063	1.11159	1.79288
Nitrogen Oxide	TM5	8	16	29	77	44	804	0.0334	0.4297	0.9919	0.8699	1.1318	1.4493	2.4894		0.7633	0.3056	0.577	1.1894	2.2487	3.9524	3.1828	2.9726	0.2104	1.08292	1.74665
Nitrogen Oxide	TM5	8	17	29	79	33	768	0.037	0.4734	1.1276	1.0051	1.2841	1.6754	2.9822		0.8718	0.3613	0.6822	1.4182	2.6185	4.7638	3.78	3.6794	0.2167	1.21541	1.96034
Nitrogen Oxide	TM5	8	18	28	80	33	755	0.038	0.4869	1.1485	1.0236	1.3111	1.7131	3.0446		0.9051	0.3697	0.6987	1.4478	2.6732	4.8634	3.8591	3.7564	0.2265	1.23768	1.99626
Nitrogen Oxide	TM5	8	19	28	82	33	798	0.0373	0.4773	1.1374	1.0142	1.2973	1.6938	3.0127		0.8879	0.3653	0.6901	1.4326	2.6452	4.8124	3.8187	3.717	0.2214	1.27519	2.05675
Nitrogen Oxide	TM5	8	20	28	84	34	552	0.036	0.4618	1.11	0.9886	1.2652	1.6474	2.9206		0.8568	0.3541	0.669	1.3902	2.5731	4.6624	3.7057	3.5924	0.2151	1.23768	1.99626
Nitrogen Oxide	TM5	8	21	27	85	34	468	0.0371	0.4754	1.1311	1.0073	1.2925	1.6855	2.9836		0.8906	0.3627	0.6857	1.4201	2.6285	4.7631	3.7856	3.6699	0.2252	1.50561	2.42196
Nitrogen Oxide	TM5	8	22	27	87	50	186	0.0309	0.398	0.9321	0.8128	1.0646	1.3514	2.2937		0.7172	0.2828	0.5329	1.094	2.0908	3.6319	2.9412	2.6913	0.2062	1.05432	1.70052
Nitrogen Oxide	TM5	8	23	27	88	51	104	0.0303	0.3912	0.9203	0.8018	1.0494	1.3298	2.2542		0.7046	0.2781	0.5235	1.0746	2.0571	3.5678	2.8917	2.6703	0.2034	1.25313	2.02118
Nitrogen Oxide	TM5	8	24	27	89	52	71	0.0298	0.3845	0.9087	0.7911	1.0345	1.3088	2.2161		0.6927	0.2735	0.5144	1.0558	2.0244	3.506	2.8438	2.6498	0.2007	1.53023	2.46811
Nitrogen Oxide	TM5	9	1	27	89	52	40	0.0298	0.3845	0.9087	0.7911	1.0345	1.3088	2.2161		0.6927	0.2735	0.5144	1.0558	2.0244	3.506	2.8438	2.6498	0.2007	1.09261	1.76228
Nitrogen Oxide	TM5	9	2	26	89	53	25	0.0311	0.3986	0.9236	0.8027	1.0527	1.3325	2.2488		0.7216	0.2791	0.5246	1.0707	2.0563	3.5563	2.8867	2.7134	0.2119	0.8724	1.4071
Nitrogen Oxide	TM5	9	3	26	91	53	23	0.0305	0.3916	0.9157	0.7962	1.043	1.3193	2.2281		0.7094	0.2762	0.5189	1.0609	2.0373	3.5235	2.8601	2.6885	0.2078	0.92181	1.48679
Nitrogen Oxide	TM5	9	4	26	92	53	21	0.0302	0.3881	0.9117	0.7929	1.0381	1.3128	2.2177		0.7034	0.2747	0.5161	1.0559	2.0278	3.507	2.8468	2.676	0.2058	0.92599	1.49353
Nitrogen Oxide	TM5	9	5	26	92	53	21	0.0302	0.3881	0.9117	0.7929	1.0381	1.3128	2.2177		0.7034	0.2747	0.5161	1.0559	2.0278	3.507	2.8468	2.676	0.2058	0.85872	1.38503
Nitrogen Oxide	TM5	9	6	26	93	53	44	0.03	0.3846	0.9077	0.7898	1.0333	1.3063	2.2073		0.6973	0.2732	0.5132	1.051	2.0183	3.4907	2.8335	2.6634	0.2037	0.73958	1.19286
Nitrogen Oxide	TM5	9	7	26	93	53	97	0.0302	0.3902	0.9219	0.8037	1.0525	1.3337	2.2605		0.708	0.2791	0.5252	1.0776	2.0628	3.5777	2.8997	2.6778	0.2045	0.80457	1.2977
Nitrogen Oxide	TM5	9	8	27	86	34	266	0.0357	0.4562	1.1	0.9787	1.2538	1.6327	2.8823		0.8532	0.3501	0.6618	1.3729	2.5473	4.5982	3.6603	3.5344	0.2168	0.96045	1.39435
Nitrogen Oxide	TM5	9	9	28	83	34	741	0.0364	0.4666	1.1154	0.9933	1.273	1.6569	2.9362		0.8652	0.3562	0.6732	1.3976	2.5869	4.6874	3.7255	3.6117	0.2175	1.41551	2.28309
Nitrogen Oxide	TM5	9	10	29	78	34	845	0.0369	0.4729	1.117	0.994	1.2731	1.6584	2.9387		0.8669	0.3566	0.6738	1.3988	2.589	4.6913	3.7286	3.6146	0.218	1.44905	2.33718
Nitrogen Oxide	TM5	9	11	29	76	33	832	0.0382	0.4896	1.1453	1.0203	1.3061	1.7061	3.0331		0.8992	0.3682	0.6957	1.4424	2.6632	4.845	3.8443	3.7422	0.2248	1.25172	2.0189
Nitrogen Oxide	TM5	9	12	29	76	42	801	0.0343	0.4429	1.0193	0.8961	1.1637	1.4956	2.5804		0.79	0.3165	0.5979	1.2329	2.322	4.101	3.2951	3.0994	0.2146	1.0518	1.69645
Nitrogen Oxide	TM5	9	13	30	75	42	744	0.0336	0.4323	1.0012	0.8803	1.1402	1.4632	2.5283		0.7611	0.3094	0.5838	1.208	2.2751	4.0183	3.2287	3.0369	0.2055	1.08247	1.74592
Nitrogen Oxide	TM5	9	14	29	75	42	693	0.0342	0.4408	1.0245	0.9005	1.1702	1.5043	2.5948		0.798	0.3185	0.6018	1.2439	2.3439	4.1239	3.3134	3.1167	0.2172	1.09866	1.77203
Nitrogen Oxide	TM5	9	15	29	77	41	803	0.0343	0.4424	1.0257	0.9032	1.1706	1.5062	2.6069		0.7919	0.3191	0.603	1.2454	2.3408	4.1451	3.3268	3.1404	0.213	1.12822	1.81971
Nitrogen Oxide	TM5	9	16	29	76	44	804	0.0337	0.4346	0.997	0.8742	1.1382	1.4581	2.5034		0.7713	0.3076	0.5807	1.1961	2.2615	3.9747	3.2007	2.9893	0.213	1.08945	1.75717
Nitrogen Oxide	TM5	9	17	29	78	33	768	0.0374	0.4788	1.1335	1.0102	1.2915	1.6857	2.9991		0.8809	0.3636	0.6867	1.4262	2.6334	4.7908	3.8015	3.7004	0.2194	1.22284	1.97232
Nitrogen Oxide	TM5	9	18	28	81	33	755	0.0376	0.4822	1.1429	1.019	1.3042	1.7035	3.0286		0.8966	0.3675	0.6944	1.4402	2.6593	4.838	3.8389	3.7367	0.224	1.23079	1.98514
Nitrogen Oxide	TM5	9	19	27	84	33	798	0.0379	0.4859	1.1529	1.0282	1.3176	1.7225	3.06		0.9131	0.3717	0.7028	1.4551	2.6868	4.888	3.8787	3.7754	0.2289	1.29562	2.08968
Nitrogen Oxide	TM5	9	20	27	86	34	552	0.0368	0.4709	1.126	1.0029	1.2862	1.6766	2.9688		0.8826	0.3607	0.6818	1.4131	2.6155	4.7395	3.7669	3.6517	0.2228	0.98437	1.58769
Nitrogen Oxide	TM5	9	21	27	87	34	468	0.0364	0.4663	1.1208	0.9985	1.2797	1.6677	2.9541		0.8747	0.3587	0.6779	1.4061	2.6027	4.716	3.7482	3.6336	0.2204	0.99496	1.60477
Nitrogen Oxide	TM5	9	22	27	89	50	186	0.0302	0.3903	0.9235	0.8057	1.054	1.337	2.2709		0.704	0.2796	0.5267	1.0831	2.0699	3.5957	2.9119	2.6645	0.2017	1.04292	1.68214
Nitrogen Oxide	TM5	9	23	27	89	51	104	0.0301	0.3873	0.916	0.7983	1.0441	1.3227	2.243		0.6982	0.2766	0.5204	1.0693	2.0468	3.55	2.8723	2.6569	0.2012	1.24647	2.01043
Nitrogen Oxide	TM5	9	24	26	89	52	71	0.0311	0.4015	0.9307	0.8097	1.0622	1.3464	2.2754		0.727	0.282	0.5306	1.084	2.0785	3.5997	2.9199	2.7206	0.2124	1.57291	2.53696
Nitrogen Oxide	TM5	10	1	26	89	52	40	0.0372	0.4815	1.1244	0.9873	1.1782	1.5036	2.5239		0.8712	0.3176	0.5983	1.2025	2.3056	3.9929	3.2387	3.0170	0.2612	1.26851	2.03308
Nitrogen Oxide	TM5	10	2	23	74	53	25	0.0381	0.4911	1.0325	0.8927	1.1871	1.5154	2.536		0.8939	0.3208	0.6036	1.2074	2.3189	4.0104	3.2553	3.06	0.2711	0.99898	1.61126
Nitrogen Oxide	TM5	10	3	23	74	53	23	0.0381	0.4911	1.0325	0.8927	1.1871	1.5154	2.536		0.8939	0.3208	0.6036	1.2074	2.3189	4.0104	3.2553	3.06	0.2711	1.06503	1.71778
Nitrogen Oxide	TM5	10	4	23	75	53	21	0.0379	0.4883	1.0292	0.89	1.1831	1.51	2.5273		0.8888	0.3195	0.6013	1.2034	2.311	3.9968	3.2443	3.0496	0.2694	1.06797	1.72253
Nitrogen Oxide	TM5	10	5	23	74	53	21	0.0381	0.4911	1.0325	0.8927	1.1871	1.5154	2.536		0.8939	0.3208	0.6036	1.2074	2.3189	4.0104	3.2553	3.06	0.2711	0.99806	1.60978
Nitrogen Oxide	TM5	10	6	23	75	53	44	0.0379	0.4883	1.0292	0.89	1.1831	1.51	2.5273		0.8888	0.3195	0.6013	1.2034	2.311	3.9968	3.2443	3.0496	0.2694	0.85445	1.37815
Nitrogen Oxide	TM5	10	7	23	75	53	97	0.0382	0.4914	1.0451	0.9058	1.2049	1.542	2.5892		0.9021	0.3262	0.6151	1.2369	2.3619	4.0965	3.3201	3.1006	0.2706	0.92921	1.49873
Nitrogen Oxide	TM5	10	8	23	72	35	286	0.0457	0.5879	1.2594	1.1161	1.4566	1.9143	3.3428		1.1085	0.4146	0.7855	1.5925	2.9545	5.3332	4.2455	4.0994	0.2938	1.01827	1.64236
Nitrogen Oxide	TM5	10	9	24	69	34	741	0.046	0.591	1.2714	1.1285	1.4694	1.9332	3.392		1.1108	0.4195	0.7944	1.6145	2.9883	5.4149	4.3057	4.1722	0.2905	1.64667	2.65592
Nitrogen Oxide	TM5	10	10	25	64	34	845	0.0465	0.5971	1.2758	1.1316	1.474	1.9395	3.4024		1.1168	0.4205	0.7972	1.6195	2.9975	5.4315	4.317	4.185	0.2922	1.689	2.72419
Nitrogen Oxide	TM5	10	11	26	61	33	832	0.0471	0.605	1.2911	1.1465	1.49	1.9641	3.4602		1.1286	0.4266	0.8091	1.6455	3.0382	5.5274	4.386	4.2692	0.2922	1.43713	2.31795
Nitrogen Oxide	TM5	10	12	27	60	42	801	0.0418	0.5407	1.1382	0.9966	1.3124	1.7003	2.91		0.974	0.3622	0.6867	1.3903	2.6185	4.6249	3.7361	3.4953	0.2731	1.19434	1.92635
Nitrogen Oxide	TM5	10	13	27	59	42	744	0.0421	0.5447	1.1429	1.0005	1.3181	1.7083	2.9228		0.9811	0.364	0.6901	1.3965	2.6301	4.6452	3.7324	3.5106	0.2754	1.26035	2.03282
Nitrogen Oxide	TM5	10	14	27	59	42	693	0.0421	0.5447	1.1429	1.0005	1.3181	1.7083	2.9228		0.9811	0.364	0.6901	1.3965	2.6301	4.6452	3.7324	3.5106	0.2754	1.24531	2.00857
Nitrogen Oxide	TM5	10	15	27	60	41	803	0.0423	0.5461	1.1513	1.0095	1.3275	1.7228	2.9565		0.9863	0.3676	0.6971	1.4123	2.6546	4.701	3.7728	3.5615	0.2744	1.28776	2.07704
Nitrogen Oxide	TM5	10	16	27	62	44	804	0.0404	0.5223	1.1044	0.9646	1.2723	1.6422	2.7984		0.937	0.3487	0.6605	1.337	2.5279	4.443	3.5779	3.3416	0.2665	1.12483	1.97554
Nitrogen Oxide	TM5	10	17	26	65	33	768	0.0458	0.5876	1.2715	1.1298	1.4656	1.93	3.4032		1.0982	0.4189	0.7941	1.6186	2.9886	5.4371	4.3143	4.1996	0.2832	1.96881	2.25291
Nitrogen Oxide	TM5	10	18	25	67	33	755	0.0462	0.5939	1.2806	1.1384	1.4778	1.9474	3.4325		1.1133	0.4232	0.8017	1.6353	3.0139	5.4852	4.3509	4.2351	0.2827	1.40397	2.26447
Nitrogen Oxide	TM5	10	19	25	69	33	798	0.0455	0.5846	1.2715	1.1305	1.4666	1.9314	3.406		1.099	0.4195	0.7946	1.6197	2.9906	5.4408	4.3172	4.2023	0.2835	1.45005	2.33879
Nitrogen Oxide	TM5	10	20	25	71	34	552	0.0443	0.5694	1.2441	1.1047	1.4345	1.8842	3.3113		1.0675	0.4081	0.773	1.5762	2.9173	5.2862	4.2014	4.073	0.2776	1.10561	1.78324
Nitrogen Oxide	TM5	10	21	24	71	34	468	0.0454	0.5837	1.2629	1.1214	1.4588	1.9183	3.3675		1.0975	0.4161	0.7878	1.6029	2.9668	5.3759	4.2727	4.1422	0.2865	1.14231	1.84244
Nitrogen Oxide	TM5	10	22	24	71	50	186	0.0385	0.4981	1.0515	0.9125	1.2135	1.554	2.6147		0.9017	0.3286	0.6202	1.2471	2.3833	4.14	3.3528	3.0678	0.2681	1.21249	1.95563
Nitrogen Oxide	TM5	10	23	24	72	51	104	0.0379	0.4912	1.0395	0.9012	1.1978	1.5314	2.5732		0.8888	0.3238	0.6103	1.2267	2.3482	4.0727	3.3008	3.0482	0.2655	1.44156	2.3251
Nitrogen Oxide	TM5	10	24	24	72	52	71	0.0397	0.5115	1.0871	0.8931	1.1861	1.5153	2.5434		0.883	0.3205	0.6052	1.2175	2.3225	4.0277	3.2626	3.0399	0.265	1.74579	2.81779
Nitrogen Oxide	TM5	11	1	21	75	52	40	0.0399	0.5174	1.0667	0.9223	1.2304	1.5778	2.6357		0.9524	0.335	0.6312	1.2557	2.4077	4.1698	3.3823	3.1513	0.2906	1.23275	2.13507
Nitrogen Oxide	TM5	11	2	21	74	53	25	0.04	0.5162	1.0617	0.9168	1.2229	1.5664	2.6125		0.9501	0.3326	0.6262	1.2438	2.3888	4.1314	3.3536	3.1523	0.2916	1.03406	1.66784
Nitrogen Oxide	TM5	11	3	21	74	53	23	0.04	0.5162	1.0617	0.9168	1.2229	1.5664	2.6125		0.9501	0.3326	0.6262	1.2438	2.3888	4.1314	3.3536	3.1523	0.2916	1.10163	1.77683
Nitrogen Oxide	TM5	11	4	21	74	53	21	0.04	0.5162	1.0617	0.9168	1.2229	1.5664	2.6125		0.9501	0.3326	0.6262	1.2438	2.3888	4.1314	3.3536	3.1523	0.2916	1.10804	1.78717
Nitrogen Oxide	TM5	11	5	21	74	53	21	0.04	0.5162	1.0617	0.9168	1.2229	1.5664	2.6125		0.9501	0.3326	0.6262	1.2438	2.3888	4.1314	3.3536	3.1523	0.2916	1.03244	1.66555
Nitrogen Oxide	TM5	11	6	21	74	53	44	0.0402	0.5185	1.0645	0.9192	1.2264	1.5712	2.62		0.9546	0.3338	0.6283	1.2474	2.3957	4.1434	3.3633	3.1614	0.2931	0.88825	1.43266
Nitrogen Oxide	TM5	11	7	21	73	51	97	0.0406	0.526	1.0809	0.9354	1.2491	1.6044	2.6832		0.9689	0.3408	0.6427	1.279	2.4485	4.2466	3.4419	3.1783	0.2944	0.96574	1.55765
Nitrogen Oxide	TM5	11	8	21	70	35	286	0.0483	0.6221	1.3002	1.1511	1.5077	1.9889	3.4601		1.1865	0.4321	0.8189	1.6483	3.0582	5.5204	4.3943	4.2431	0.3184	1.05806	1.70655
Nitrogen Oxide	TM5	11	9	22	66	34	741	0.0488	0.6284	1.3172	1.1681	1.527	2.0148	3.525		1.1958	0.4388	0.8318	1.6778	3.1055	5.6272	4.4724	4.3357	0.3169	1.71527	2.76656
Nitrogen Oxide	TM5	11	10	23	61	34	845	0.0491	0.6319	1.321	1.1711	1.5316	2.0215	3.5353		1.1945	0.4396	0.8335	1.6828	3.1147	5.6439	4.4858	4.3486	0.3159	1.75814	2.83572
Nitrogen Oxide	TM5	11	11	25	56	33	832	0.0492	0.6321	1.3265	1.1777	1.5351	2.0271	3.5652		1.1848	0.4413	0.837	1.6954	3.1301	5.6952	4.5192	4.3988	0.3088	1.48255	2.39122
Nitrogen Oxide	TM5	11	12	25	56	42	801	0.0445	0.5753	1.1855	1.0376	1.373	1.7837	3.0445		1.0484	0.3813	0.7229	1.4546	2.7395	4.8385	3.8877	3.6568	0.2969	1.25164	2.01878
Nitrogen Oxide	TM5	11	13	25	56	42	744	0.0445	0.5753	1.1855	1.0376	1.373	1.7837	3.0445		1.0484	0.3813	0.7229	1.4546	2.7395	4.8385	3.8877	3.6568	0.2969	1.31457	2.12027
Nitrogen Oxide	TM5	11	14	26	56	42	693	0.0438	0.566	1.1715	1.0252	1.3547	1.7586	3.0039		1.026	0.3755	0.7119	1.4352	2.703	4.7741	3.8359	3.6081	0.2897	1.28116	2.06638
Nitrogen Oxide	TM5	11	15	26	57	41	803	0.0439	0.5679	1.1806	1.0348	1.3649	1.7743	3.0395		1.0323	0.3794	0.7195	1.452	2.7293	4.8333	3.879	3.6616	0.2888	1.25255	2.13751
Nitrogen Oxide	TM5	11	16	25	58	44	804	0.0431	0.5576	1.1518	1.0054	1.3329	1.7253	2.9317		1.0114	0.3676	0.6964	1.4007	2.6483	4.7457	3.7483	3.5007	0.2905	1.28534	2.07313
Nitrogen Oxide	TM5	11	17	24	63	33	768	0.0483	0.6205	1.3158	1.1692	1.5229	2.0102	3.5365		1.1689	0.4377	0.8293	1.6817	3.1052	5.6493	4.4827	4.3634	0.3041	1.45346	2.3443
Nitrogen Oxide	TM5	11	18	23	66	33	755	0.0485	0.623	1.3201	1.173	1.5286	2.0195	3.5497		1.1819	0.44	0.8337	1.6879	3.1168	5.6702	4.4993	4.3796	0.3085	1.45432	2.34567
Nitrogen Oxide	TM5	11	19	23	70	33	798	0.0474	0.6093	1.304	1.1592	1.5084	1.9913	3.5028		1.1566	0.4336	0.8212	1.6657	3.0757	5.5955	4.44	4.3218	0.301	1.49319	2.40837
Nitrogen Oxide	TM5	11	20	22	72	34	552	0.0479	0.616	1.3024	1.1553	1.5084	1.9907	3.4819		1.1722	0.4329	0.8202	1.6573	3.0676	5.5586	4.4179	4.2829	0.3099	1.1659	1.88049
Nitrogen Oxide	TM5	11	21	22	72	34	468	0.0474	0.6097	1.2949	1.149	1.4991	1.9775	3.4604		1.1604	0.4299	0.8145	1.6471	3.0487	5.5242	4.3906	4.2564	0.3064	1.17574	1.89636
Nitrogen Oxide	TM5	11	22	23	74	50	186	0.0397	0.5151	1.0723	0.9297	1.2394	1.5912	2.6701		0.9501	0.3374	0.6368	1.2715	2.3784	4.2278	3.4209	3.1328	0.2834	1.2404	2.00065
Nitrogen Oxide	TM5	11	23	22	74	51	104	0.0395	0.5112	1.0637	0.9211	1.2277	1.5742	2.6373		0.9363	0.3337	0.6293	1.2572	2.4067	4.1741	3.3831	3.1241	0.2827	1.48039	2.38773
Nitrogen Oxide	TM5	11	24	21	74	52	71	0.0401	0.5198	1.0696	0.9247	1.2341	1.5827	2.6433		0.9569	0.3361	0.6332	1.2594	2.4147	4.182	3.3921	3.1606	0.2921	1.8404	2.96839
Nitrogen Oxide	TM6	12	1	16	68	52	40	0.0477	0.6211	1.1481	0.9848	1.3233	1.7114	2.8347		1.1034	0.3676	0.6907	1.3505	2.5895	4.4847	3.6376	3.3895	0.3457	1.4432	2.32774
Nitrogen Oxide	TM6	12	2	16	69	53	25	0.0474	0.6147	1.1376	0.9746	1.3089	1.6902	2.7962		1.0923	0.3632	0.6816	1.3313	2.5568	4.4219	3.5894	3.3739	0.3438	1.12699	1.81772
Nitrogen Oxide	TM6	12	3	16	69	53	23	0.0474	0.6147	1.1376	0.9746	1.3089	1.6902	2.7962		1.0923	0.3632	0.6816	1.3313	2.5568	4.4219	3.5894	3.3739	0.3438	1.2001	1.93565
Nitrogen Oxide	TM6	12	4	15	70	53	21	0.0488	0.6321	1.1466	0.9806	1.3178	1.704	2.8152		1.1108	0.3669	0.6879	1.3404	2.5743	4.4521	3.6139	3.397	0.3509	1.21344	1.95716
Nitrogen Oxide	TM6	12	5	15	70	53	21	0.0488	0.6321	1.1466	0.9806	1.3178	1.704	2.8152		1.1108	0.3669	0.6879	1.3404	2.5743	4.4521	3.6139	3.397	0.3509	1.13641	1.83293
Nitrogen Oxide	TM6	12	6	15	70	53	44	0.0488	0.6321	1.1466	0.9806	1.3178	1.704	2.8152		1.1108	0.3669	0.6879	1.3404	2.5743	4.4521	3.6139	3.397	0.3509	0.96924	1.5633
Nitrogen Oxide	TM6	12	7	15	70	51	97	0.0492	0.6412	1.1639	0.998	1.3421	1

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:

(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.

(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Oxide	TM7	2	17	20	70	39	24	0.0469	0.607	1.2485	1.0981	1.4495	1.9011	3.258		1.1493	0.4104	0.7772	1.5556	2.9118	5.1861	4.1517	3.948	0.3219	1.77554	2.86377
Nitrogen Oxide	TM7	2	18	19	74	39	31	0.0477	0.6167	1.2517	1.0999	1.4522	1.9062	3.2639		1.1594	0.412	0.7799	1.5583	2.9171	5.1954	4.1592	3.9551	0.3257	1.64941	2.66034
Nitrogen Oxide	TM7	2	19	18	76	39	31	0.0489	0.6336	1.2613	1.1069	1.4624	1.922	3.2868		1.1794	0.416	0.7871	1.5693	2.9375	5.2319	4.1884	3.9829	0.3326	1.66369	2.68337
Nitrogen Oxide	TM7	2	20	18	78	39	14	0.0486	0.6284	1.2558	1.1023	1.4556	1.9127	3.2717		1.1707	0.4141	0.7831	1.5621	2.924	5.2078	4.1691	3.9645	0.3299	1.64084	2.26588
Nitrogen Oxide	TM7	2	21	18	78	39	3	0.0486	0.6284	1.2558	1.1023	1.4556	1.9127	3.2717		1.1707	0.4141	0.7831	1.5621	2.924	5.2078	4.1691	3.9645	0.3299	2.19733	3.54409
Nitrogen Oxide	TM7	2	22	18	78	39	0	0.0486	0.6284	1.2558	1.1023	1.4556	1.9127	3.2717		1.1707	0.4141	0.7831	1.5621	2.924	5.2078	4.1691	3.9645	0.3299	0	0
Nitrogen Oxide	TM7	2	23	18	78	39	0	0.0486	0.6284	1.2558	1.1023	1.4556	1.9127	3.2717		1.1707	0.4141	0.7831	1.5621	2.924	5.2078	4.1691	3.9645	0.3299	0	0
Nitrogen Oxide	TM7	2	24	18	78	39	0	0.0486	0.6284	1.2558	1.1023	1.4556	1.9127	3.2717		1.1707	0.4141	0.7831	1.5621	2.924	5.2078	4.1691	3.9645	0.3299	0	0
Nitrogen Oxide	TM7	3	1	21	86	39	0	0.0427	0.551	1.1819	1.0414	1.3661	1.7835	3.0704		1.0368	0.3834	0.7256	1.466	2.7441	4.8875	3.9127	3.7207	0.286	0	0
Nitrogen Oxide	TM7	3	2	20	87	39	0	0.0437	0.5646	1.1966	1.0539	1.3844	1.8103	3.1115		1.0661	0.3898	0.7376	1.4856	2.7809	4.9529	3.9651	3.7704	0.2958	0	0
Nitrogen Oxide	TM7	3	3	20	87	39	0	0.0437	0.5646	1.1966	1.0539	1.3844	1.8103	3.1115		1.0661	0.3898	0.7376	1.4856	2.7809	4.9529	3.9651	3.7704	0.2958	0	0
Nitrogen Oxide	TM7	3	4	20	87	39	0	0.0437	0.5646	1.1966	1.0539	1.3844	1.8103	3.1115		1.0661	0.3898	0.7376	1.4856	2.7809	4.9529	3.9651	3.7704	0.2958	0	0
Nitrogen Oxide	TM7	3	5	20	87	39	0	0.0437	0.5646	1.1966	1.0539	1.3844	1.8103	3.1115		1.0661	0.3898	0.7376	1.4856	2.7809	4.9529	3.9651	3.7704	0.2958	0	0
Nitrogen Oxide	TM7	3	6	20	87	39	0	0.0437	0.5646	1.1966	1.0539	1.3844	1.8103	3.1115		1.0661	0.3898	0.7376	1.4856	2.7809	4.9529	3.9651	3.7704	0.2958	0	0
Nitrogen Oxide	TM7	3	7	20	87	39	2	0.0437	0.5646	1.1966	1.0539	1.3844	1.8103	3.1115		1.0661	0.3898	0.7376	1.4856	2.7809	4.9529	3.9651	3.7704	0.2958	0.30415	0.49056
Nitrogen Oxide	TM7	3	8	20	88	39	21	0.0439	0.567	1.1997	1.0564	1.3882	1.8156	3.1201		1.0711	0.391	0.74	1.4897	2.7886	4.9667	3.976	3.7809	0.2973	1.67248	2.69754
Nitrogen Oxide	TM7	3	9	21	83	39	47	0.0433	0.5594	1.1917	1.0497	1.3784	1.8005	3.098		1.0523	0.3872	0.733	1.4791	2.7687	4.9315	3.9478	3.7541	0.2909	1.6321	2.63242
Nitrogen Oxide	TM7	3	10	22	79	39	55	0.0431	0.5552	1.1875	1.0463	1.3732	1.792	3.0865		1.0398	0.385	0.7289	1.4736	2.7585	4.913	3.9331	3.7403	0.2864	1.56411	2.52276
Nitrogen Oxide	TM7	3	11	22	78	39	31	0.0432	0.5582	1.1911	1.0491	1.3776	1.798	3.0962		1.0453	0.3864	0.7316	1.4783	2.7672	4.9286	3.9456	3.752	0.2881	1.55722	2.51165
Nitrogen Oxide	TM7	3	12	23	77	39	24	0.0423	0.546	1.1767	1.037	1.3597	1.7719	3.0562		1.017	0.3803	0.72	1.4592	2.7315	4.8649	3.8946	3.7035	0.2787	1.6592	2.67612
Nitrogen Oxide	TM7	3	13	23	77	39	24	0.0423	0.546	1.1767	1.037	1.3597	1.7719	3.0562		1.017	0.3803	0.72	1.4592	2.7315	4.8649	3.8946	3.7035	0.2787	1.6592	2.67612
Nitrogen Oxide	TM7	3	14	23	77	39	24	0.0423	0.546	1.1767	1.037	1.3597	1.7719	3.0562		1.017	0.3803	0.72	1.4592	2.7315	4.8649	3.8946	3.7035	0.2787	1.6592	2.67612
Nitrogen Oxide	TM7	3	15	23	76	39	31	0.0426	0.5491	1.1804	1.0402	1.3644	1.7784	3.0667		1.0227	0.3817	0.7228	1.4642	2.7408	4.8816	3.9079	3.7162	0.2805	1.541	2.48548
Nitrogen Oxide	TM7	3	16	23	77	39	24	0.0423	0.546	1.1767	1.037	1.3597	1.7719	3.0562		1.017	0.3803	0.72	1.4592	2.7315	4.8649	3.8946	3.7035	0.2787	1.6592	2.67612
Nitrogen Oxide	TM7	3	17	22	79	39	24	0.0431	0.5552	1.1875	1.0463	1.3732	1.792	3.0865		1.0398	0.385	0.7289	1.4736	2.7585	4.913	3.9331	3.7403	0.2864	1.67695	2.70476
Nitrogen Oxide	TM7	3	18	22	82	39	31	0.0424	0.5463	1.1771	1.0373	1.3601	1.7738	3.057		1.0234	0.3809	0.7211	1.4596	2.7322	4.8662	3.8956	3.7044	0.2813	1.56635	2.47759
Nitrogen Oxide	TM7	3	19	21	84	39	31	0.0432	0.5535	1.1885	1.047	1.3743	1.7949	3.0888		1.0472	0.3859	0.7306	1.4717	2.7505	4.9167	3.9346	3.7433	0.2893	1.55889	2.50627
Nitrogen Oxide	TM7	3	20	21	85	39	14	0.043	0.5538	1.1852	1.0442	1.3702	1.7891	3.0796		1.042	0.3847	0.7281	1.4703	2.7523	4.9021	3.9244	3.7318	0.2877	1.3146	2.12032
Nitrogen Oxide	TM7	3	21	21	86	39	3	0.0427	0.551	1.1819	1.0414	1.3661	1.7835	3.0704		1.0368	0.3834	0.7256	1.466	2.7441	4.8875	3.9127	3.7207	0.286	2.06117	3.32446
Nitrogen Oxide	TM7	3	23	21	86	39	0	0.0427	0.551	1.1819	1.0414	1.3661	1.7835	3.0704		1.0368	0.3834	0.7256	1.466	2.7441	4.8875	3.9127	3.7207	0.286	0	0
Nitrogen Oxide	TM7	3	24	21	86	39	0	0.0427	0.551	1.1819	1.0414	1.3661	1.7835	3.0704		1.0368	0.3834	0.7256	1.466	2.7441	4.8875	3.9127	3.7207	0.286	0	0
Nitrogen Oxide	TM7	4	1	20	83	39	0	0.0445	0.5747	1.2089	1.0643	1.3997	1.8316	3.146		1.0857	0.3946	0.7469	1.5021	2.8116	5.0077	4.0089	3.8123	0.302	0	0
Nitrogen Oxide	TM7	4	2	20	85	39	0	0.0441	0.5696	1.2027	1.059	1.392	1.821	3.1287		1.0759	0.3922	0.7422	1.4938	2.7963	4.9803	3.987	3.7913	0.2989	0	0
Nitrogen Oxide	TM7	4	3	20	84	39	0	0.0443	0.5721	1.2058	1.0617	1.3959	1.8262	3.1374		1.0808	0.3934	0.7445	1.498	2.8039	4.994	3.998	3.8017	0.3004	0	0
Nitrogen Oxide	TM7	4	4	20	85	39	0	0.0441	0.5696	1.2027	1.059	1.392	1.821	3.1287		1.0759	0.3922	0.7422	1.4938	2.7963	4.9803	3.987	3.7913	0.2989	0	0
Nitrogen Oxide	TM7	4	5	19	84	39	0	0.0456	0.5893	1.2225	1.0756	1.4162	1.8561	3.1832		1.1132	0.4006	0.7579	1.5198	2.8449	5.0669	4.0563	3.8572	0.3112	0	0
Nitrogen Oxide	TM7	4	6	19	84	39	0	0.0456	0.5893	1.2225	1.0756	1.4162	1.8561	3.1832		1.1132	0.4006	0.7579	1.5198	2.8449	5.0669	4.0563	3.8572	0.3112	0	0
Nitrogen Oxide	TM7	4	7	20	84	39	2	0.0443	0.5721	1.2058	1.0617	1.3959	1.8262	3.1374		1.0808	0.3934	0.7445	1.498	2.8039	4.994	3.998	3.8017	0.3004	0.3082	0.4971
Nitrogen Oxide	TM7	4	8	21	79	39	21	0.0442	0.5703	1.2048	1.0609	1.3948	1.8232	3.1348		1.073	0.3923	0.743	1.4967	2.8016	4.99	3.9947	3.7987	0.2973	1.6801	2.70984
Nitrogen Oxide	TM7	4	9	22	73	39	47	0.0444	0.573	1.2085	1.064	1.3994	1.8283	3.1453		1.0727	0.3932	0.7449	1.5017	2.8111	5.0066	4.0081	3.8114	0.2967	1.65796	2.67412
Nitrogen Oxide	TM7	4	10	23	69	39	55	0.0443	0.5715	1.2067	1.0623	1.397	1.8236	3.1398		1.0635	0.392	0.7425	1.4991	2.8062	4.998	4.0011	3.8048	0.2932	1.59255	2.56862
Nitrogen Oxide	TM7	4	11	23	68	39	31	0.0445	0.5748	1.2104	1.0655	1.4017	1.83	3.1503		1.0693	0.3933	0.7453	1.5041	2.8156	5.0146	4.0145	3.8175	0.295	1.5856	2.55741
Nitrogen Oxide	TM7	4	12	24	66	39	24	0.044	0.5685	1.2018	1.0581	1.3908	1.8138	3.1261		1.0505	0.3896	0.7379	1.4926	2.7939	4.9761	3.9836	3.7881	0.2886	1.69857	2.73963
Nitrogen Oxide	TM7	4	13	24	65	39	24	0.0443	0.5719	1.2058	1.0615	1.3958	1.8207	3.1372		1.0566	0.3912	0.7409	1.4979	2.8039	4.9939	3.9978	3.8016	0.2905	1.70491	2.74985
Nitrogen Oxide	TM7	4	14	24	66	39	24	0.044	0.5685	1.2018	1.0581	1.3908	1.8138	3.1261		1.0505	0.3896	0.7379	1.4926	2.7939	4.9761	3.9836	3.7881	0.2886	1.69857	2.73963
Nitrogen Oxide	TM7	4	15	24	66	39	31	0.044	0.5685	1.2018	1.0581	1.3908	1.8138	3.1261		1.0505	0.3896	0.7379	1.4926	2.7939	4.9761	3.9836	3.7881	0.2886	1.5724	2.53613
Nitrogen Oxide	TM7	4	16	24	67	39	24	0.0438	0.5651	1.1979	1.0547	1.3859	1.8069	3.113		1.0443	0.3881	0.7349	1.4872	2.784	4.9584	3.9694	3.7746	0.2867	1.69226	2.72945
Nitrogen Oxide	TM7	4	17	23	69	39	24	0.0443	0.5715	1.2067	1.0625	1.397	1.8236	3.1398		1.0635	0.392	0.7425	1.4991	2.8062	4.998	4.0011	3.8048	0.2932	1.70676	2.75284
Nitrogen Oxide	TM7	4	18	22	74	39	31	0.0442	0.57	1.2051	1.061	1.3951	1.8223	3.1355		1.0672	0.3918	0.7422	1.497	2.8023	4.9911	3.9956	3.7995	0.295	1.57819	2.54546
Nitrogen Oxide	TM7	4	19	22	76	39	31	0.0437	0.5641	1.1981	1.0551	1.3863	1.8101	3.1159		1.0563	0.3891	0.7369	1.4877	2.7847	4.9599	3.9706	3.7757	0.2916	1.5677	2.52855
Nitrogen Oxide	TM7	4	20	21	79	39	14	0.0442	0.5703	1.2048	1.0609	1.3948	1.8232	3.1348		1.073	0.3923	0.743	1.4967	2.8016	4.99	3.9947	3.7987	0.2973	1.33943	2.16037
Nitrogen Oxide	TM7	4	21	21	80	39	3	0.044	0.5675	1.2015	1.0581	1.3906	1.8176	3.1256		1.0679	0.391	0.7405	1.4924	2.7934	4.9753	3.983	3.7876	0.2957	2.0984	3.38452
Nitrogen Oxide	TM7	4	22	21	81	39	0	0.0437	0.5648	1.1983	1.0553	1.3865	1.8119	3.1164		1.0627	0.3898	0.738	1.488	2.7852	4.9607	3.9713	3.7763	0.2943	0	0
Nitrogen Oxide	TM7	4	23	21	82	39	0	0.0435	0.5621	1.1951	1.0525	1.3824	1.8062	3.1072		1.0576	0.3885	0.7355	1.4836	2.7777	4.9461	3.9596	3.7652	0.2925	0	0
Nitrogen Oxide	TM7	4	24	20	82	39	0	0.0447	0.5771	1.212	1.0669	1.4035	1.837	3.1546		1.0906	0.3959	0.7492	1.5062	2.8193	5.0215	4.02	3.8227	0.3035	0	0
Nitrogen Oxide	TM7	5	1	26	91	39	0	0.0345	0.443	1.0549	0.9333	1.2069	1.559	2.7127		0.8225	0.3317	0.627	1.2952	2.4245	4.3181	3.4569	3.2873	0.2178	0	0
Nitrogen Oxide	TM7	5	2	25	92	39	0	0.0357	0.4587	1.0748	0.9506	1.2325	1.5944	2.7701		0.8539	0.3399	0.6423	1.3226	2.4757	4.4095	3.5299	3.3568	0.2276	0	0
Nitrogen Oxide	TM7	5	3	25	92	39	0	0.0357	0.4587	1.0748	0.9506	1.2325	1.5944	2.7701		0.8539	0.3399	0.6423	1.3226	2.4757	4.4095	3.5299	3.3568	0.2276	0	0
Nitrogen Oxide	TM7	5	4	25	91	39	0	0.0359	0.4625	1.0791	0.9542	1.2378	1.6018	2.7819		0.8605	0.3415	0.6453	1.3282	2.4863	4.4283	3.5451	3.3713	0.2296	0	0
Nitrogen Oxide	TM7	5	5	25	92	39	0	0.0357	0.4587	1.0748	0.9506	1.2325	1.5944	2.7701		0.8539	0.3399	0.6423	1.3226	2.4757	4.4095	3.5299	3.3568	0.2276	0	0
Nitrogen Oxide	TM7	5	6	25	93	39	0	0.0354	0.455	1.0706	0.947	1.2272	1.5871	2.7583		0.8473	0.3383	0.6391	1.3169	2.4651	4.3905	3.5149	3.3424	0.2255	0	0
Nitrogen Oxide	TM7	5	7	26	91	39	2	0.0345	0.443	1.0549	0.9333	1.2069	1.559	2.7127		0.8225	0.3317	0.627	1.2952	2.4245	4.3181	3.4569	3.2873	0.2178	0.23875	0.38508
Nitrogen Oxide	TM7	5	8	27	89	39	21	0.0349	0.449	1.0582	0.9355	1.2103	1.5638	2.7203		0.827	0.3327	0.6291	1.2988	2.4312	4.3303	3.4666	3.2965	0.2193	1.44375	2.32863
Nitrogen Oxide	TM7	5	9	28	80	39	47	0.0353	0.4542	1.059	0.9354	1.2102	1.5635	2.72		0.8272	0.3326	0.629	1.2987	2.4309	4.3297	3.4661	3.296	0.2193	1.4187	2.28823
Nitrogen Oxide	TM7	5	10	28	80	39	55	0.036	0.4635	1.0692	0.9441	1.2229	1.5811	2.7486		0.8429	0.3366	0.6366	1.3123	2.4564	4.3751	3.5025	3.3306	0.2241	1.58035	2.55669
Nitrogen Oxide	TM7	5	11	29	77	39	31	0.0351	0.4516	1.0506	0.9278	1.1988	1.5479	2.6946		0.8133	0.3292	0.6222	1.2865	2.4082	4.2892	3.4337	3.2653	0.215	1.34472	2.16891
Nitrogen Oxide	TM7	5	12	29	75	39	24	0.0358	0.4616	1.0616	0.9369	1.2124	1.5665	2.7249		0.8301	0.3334	0.6303	1.301	2.4353	4.3374	3.4723	3.302	0.2201	1.47236	2.37477
Nitrogen Oxide	TM7	5	13	29	74	39	24	0.0362	0.4667	1.067	0.9415	1.2191	1.5759	2.74		0.8385	0.3355	0.6344	1.3082	2.4489	4.3615	3.4916	3.3203	0.2228	1.48102	2.38874
Nitrogen Oxide	TM7	5	14	29	75	39	24	0.0358	0.4616	1.0616	0.9369	1.2124	1.5665	2.7249		0.8301	0.3334	0.6303	1.301	2.4353	4.3374	3.4723	3.302	0.2201	1.47236	2.37477
Nitrogen Oxide	TM7	5	15	29	75	39	31	0.0358	0.4616	1.0616	0.9369	1.2124	1.5665	2.7249		0.8301	0.3334	0.6303	1.301	2.4353	4.3374	3.4723	3.302	0.2201	1.36095	2.19507
Nitrogen Oxide	TM7	5	16	29	76	39	31	0.0351	0.4516	1.0506	0.9278	1.1988	1.5479	2.6946		0.8133	0.3292	0.6222	1.2865	2.4082	4.2892	3.4337	3.2653	0.215	1.45511	2.34695
Nitrogen Oxide	TM7	5	17	28	78	39	24	0.036	0.4635	1.0692	0.9441	1.2229	1.5811	2.7486		0.8429	0.3366	0.6366	1.3123	2.4564	4.3751	3.5025	3.3306	0.2241	1.48526	2.39558
Nitrogen Oxide	TM7	5	18	28	81	39	31	0.035	0.4497	1.0539	0.9311	1.2038	1.5548	2.7057		0.8192	0.3306	0.6252	1.2918	2.4182	4.307	3.448	3.2787	0.2168	1.34987	2.17722
Nitrogen Oxide	TM7	5	19	27	84	39	31	0.0353	0.4532	1.0631	0.9396	1.2163	1.573	2.7338		0.8344	0.3345	0.6327	1.3052	2.4432	4.3516	3.4837	3.3127	0.2215	1.36405	2.20007
Nitrogen Oxide	TM7	5	20	27	88	39	14	0.0342	0.4404	1.0486	0.9274	1.1984	1.5472	2.6935		0.8122	0.329	0.6218	1.286	2.4073	4.2875	3.4323	3.2639	0.2146	1.14063	1.83972
Nitrogen Oxide	TM7	5	21	27	88	39	3	0.0339	0.4362	1.0438	0.9234	1.1924	1.539	2.68		0.8042	0.3271	0.6182	1.2796	2.3953	4.2661	3.4152	3.2477	0.2123	1.57977	2.89995
Nitrogen Oxide	TM7	5	22	26	89	39	0	0.0351	0.4509	1.0639	0.9408	1.2182	1.5746	2.7381		0.8365	0.3352	0.6337	1.3072	2.447	4.3583	3.489	3.3178	0.2222	0	0
Nitrogen Oxide	TM7	5	23	26	89	39	0	0.0351	0.4509	1.0639	0.9408	1.2182	1.5746	2.7381		0.8365	0.3352	0.6337	1.3072	2.447	4.3583	3.489	3.3178	0.2222	0	0
Nitrogen Oxide	TM7	5	24	26	90	39	0	0.0348	0.4469	1.0593	0.9371	1.2126	1.5668	2.7253		0.8295	0.3335	0.6303	1.3013	2.4357	4.3382	3.4729	3.3025	0.22	0	0
Nitrogen Oxide	TM7	6	1	28	88	39	0	0.0325	0.418	1.0179	0.901	1.1594	1.4932	2.6059		0.7639	0.3168	0.5983	1.2442	2.3289	4.148	3.3207	3.1577	0.1996	0	0
Nitrogen Oxide	TM7	6	2	27	89	39	0	0.0337	0.4319	1.0389	0.9193	1.1864	1.5307	2.6667		0.7973	0.3252	0.6146	1.2732	2.3832	4.2448	3.3982	3.2314	0.2099	0	0
Nitrogen Oxide	TM7	6	3	27	89	39	0	0.0337	0.4319	1.0389	0.9193	1.1864	1.5307	2.6667		0.7973	0.3252	0.6146	1.2732	2.3832	4.2448	3.3982	3.2314	0.2099	0	0
Nitrogen Oxide	TM7	6	4	27	88	39	0	0.0339	0.4362	1.0438	0.9234	1.1924	1.539	2.68		0.8047	0.3271	0.6182	1.2796	2.3953	4.2661	3.4152	3.2477	0.2123	0	0
Nitrogen Oxide	TM7	6	5	27	89	39	0	0.0337	0.4319	1.0389	0.9193	1.1864	1.5307	2.6667		0.7973	0.3252	0.6146	1.2732	2.3832	4.2448	3.3982	3.2314	0.2099	0	0
Nitrogen Oxide	TM7	6	6	27	90	39	0	0.0333	0.4276	1.0341	0.9153	1.1805	1.5224	2.6532		0.7899	0.3234	0.611	1.2668	2.3712	4.2234	3.381	3.2151	0.2077	0	0
Nitrogen Oxide	TM7	6	7	28	87	39	2	0.0329	0.4226	1.0231	0.9053	1.1658	1.502	2.6201		0.7718	0.3188	0.6021	1.251	2.3417	4.1707	3.3388	3.175	0.2021	0.22775	0.36734
Nitrogen Oxide	TM7	6	8	29	82	39	21	0.0332	0.427	1.0233	0.9049	1.1652	1.5012	2.6188		0.7714	0.3186	0.6018	1.2503	2.3405	4.1686	3.3371	3.1734	0.2019	1.38744	2.2378
Nitrogen Oxide	TM7	6	9	29	79	39	47	0.0343	0.4416	1.0397	0.9186	1.1854	1.5292	2.6642		0.7966	0.325	0.6141	1.272	2.3812	4.2409	3.3951	3.2284	0.2098	1.38795	2.23862
Nitrogen Oxide	TM7	6	10	30	76	39	55	0.0342	0.4404	1.0315	0.911	1.1742	1.5137	2.639		0.7828	0.3217	0.6073	1.26	2.3585	4.2008	3.3629	3.1979	0.2055	1.32255	2.13314
Nitrogen Oxide	TM7	6	11	30	75	39	31	0.0346	0.4457	1.0373	0.9158	1.1813	1.5235	2.6551		0.7918	0.3239	0.6117	1.2676	2.373	4.2263	3.3834	3.2174	0.2082	1.32457	2.1364
Nitrogen Oxide	TM7	6	12	30	74	39	24	0.0351	0.451	1.0432	0.9207	1.1885	1.5335	2.6712		0.8007	0.3262	0.6159	1.2754	2.3873	4.252	3.4039	3.2369	0.211	1.44252	2.32665
Nitrogen Oxide	TM7	6	13	31	73	39	24	0.0342	0.4402	1.0241	0.9041	1.1639	1.4994	2.616		0.7703	0.3188	0.6011	1.249	2.338	4.1641	3.3336	3.17	0.2016	1.41175	2.27702
Nitrogen Oxide	TM7	6	14	31	72	39	24	0.0346	0.4458	1.0302	0.9092	1.1712	1.511	2.6233		0.7798	0.3211	0.6057	1.2572	2.3553	4.1913	3.3554	3.1907	0.2043	1

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:

(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.

(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Oxide	TM7	8	22	27	87	39	0	0.0342	0.4404	0.1486	0.9274	1.1984	1.5472	2.6935		0.8122	0.329	0.6218	1.286	2.4073	4.2875	3.4323	3.2639	0.2146	0	0
Nitrogen Oxide	TM7	8	23	27	88	39	0	0.0339	0.4362	0.1438	0.9234	1.1924	1.539	2.68		0.8047	0.3271	0.6182	1.2796	2.3953	4.2661	3.4152	3.2477	0.2123	0	0
Nitrogen Oxide	TM7	8	24	27	89	39	0	0.0337	0.4319	0.1389	0.9193	1.1864	1.5307	2.6667		0.7973	0.3252	0.6146	1.2732	2.3832	4.2448	3.3982	3.2314	0.2099	0	0
Nitrogen Oxide	TM7	9	1	27	91	39	0	0.0337	0.4319	0.1389	0.9193	1.1864	1.5307	2.6667		0.7973	0.3252	0.6146	1.2732	2.3832	4.2448	3.3982	3.2314	0.2099	0	0
Nitrogen Oxide	TM7	9	2	26	89	39	0	0.0351	0.4509	0.1639	0.9408	1.2182	1.5746	2.738		0.8365	0.3352	0.6337	1.3072	2.447	4.3583	3.489	3.3178	0.2222	0	0
Nitrogen Oxide	TM7	9	3	26	91	39	0	0.0345	0.443	0.1549	0.9333	1.2069	1.559	2.7127		0.8225	0.3317	0.627	1.2952	2.4245	4.3181	3.4569	3.2873	0.2178	0	0
Nitrogen Oxide	TM7	9	4	26	92	39	0	0.0341	0.4391	0.1503	0.9295	1.2013	1.5513	2.7001		0.8155	0.3299	0.6235	1.2892	2.4132	4.298	3.4408	3.2719	0.2156	0	0
Nitrogen Oxide	TM7	9	5	26	92	39	0	0.0341	0.4391	0.1503	0.9295	1.2013	1.5513	2.7001		0.8155	0.3299	0.6235	1.2892	2.4132	4.298	3.4408	3.2719	0.2156	0	0
Nitrogen Oxide	TM7	9	6	26	93	39	0	0.0339	0.4351	0.1458	0.9256	1.1957	1.5435	2.6875		0.8085	0.3282	0.6202	1.2831	2.4019	4.278	3.4246	3.2566	0.2135	0	0
Nitrogen Oxide	TM7	9	7	26	93	39	2	0.0339	0.4351	0.1458	0.9256	1.1957	1.5435	2.6875		0.8085	0.3282	0.6202	1.2831	2.4019	4.278	3.4246	3.2566	0.2135	0.23945	0.37823
Nitrogen Oxide	TM7	9	8	27	88	39	21	0.0339	0.4362	0.1438	0.9234	1.1924	1.539	2.68		0.8047	0.3271	0.6182	1.2796	2.3953	4.2661	3.4152	3.2477	0.2123	1.42077	2.29157
Nitrogen Oxide	TM7	9	9	28	83	39	47	0.0343	0.4407	0.1436	0.9226	1.1911	1.5371	2.6772		0.8034	0.3267	0.6175	1.2782	2.3927	4.2615	3.4116	3.2442	0.2118	1.39453	2.24924
Nitrogen Oxide	TM7	9	10	29	78	39	55	0.0347	0.4466	0.1452	0.9232	1.1921	1.5385	2.6794		0.8049	0.3271	0.6181	1.2792	2.3946	4.2651	3.4144	3.2469	0.2123	1.34354	2.167
Nitrogen Oxide	TM7	9	11	29	76	39	31	0.0355	0.4567	0.1561	0.9324	1.2056	1.5572	2.7097		0.8217	0.3313	0.6263	1.2937	2.4217	4.3133	3.4531	3.2836	0.2176	1.35285	2.18201
Nitrogen Oxide	TM7	9	12	29	76	39	24	0.0355	0.4567	0.1561	0.9324	1.2056	1.5572	2.7097		0.8217	0.3313	0.6263	1.2937	2.4217	4.3133	3.4531	3.2836	0.2176	1.46374	2.36087
Nitrogen Oxide	TM7	9	13	30	69	39	24	0.0346	0.4457	0.1373	0.9158	1.1813	1.5235	2.6551		0.7918	0.3239	0.6117	1.2676	2.373	4.2263	3.3834	3.2174	0.2082	1.43329	2.31175
Nitrogen Oxide	TM7	9	14	29	75	39	24	0.0358	0.4616	0.1616	0.9369	1.2124	1.5665	2.7249		0.8301	0.3334	0.6303	1.301	2.4353	4.3374	3.4723	3.302	0.2201	1.47236	2.37477
Nitrogen Oxide	TM7	9	15	29	77	39	31	0.0351	0.4516	0.1506	0.9278	1.1988	1.5479	2.6946		0.8133	0.3292	0.6222	1.2865	2.4082	4.2892	3.4337	3.2653	0.215	1.34472	2.16891
Nitrogen Oxide	TM7	9	16	29	76	39	24	0.0355	0.4567	0.1561	0.9324	1.2056	1.5572	2.7097		0.8217	0.3313	0.6263	1.2937	2.4217	4.3133	3.4531	3.2836	0.2176	1.46374	2.36087
Nitrogen Oxide	TM7	9	17	29	78	39	24	0.0347	0.4466	0.1452	0.9232	1.1921	1.5385	2.6794		0.8049	0.3271	0.6181	1.2792	2.3946	4.2651	3.4144	3.2469	0.2123	1.44642	2.33294
Nitrogen Oxide	TM7	9	18	28	81	39	31	0.035	0.4497	0.1539	0.9311	1.2038	1.5548	2.7057		0.8192	0.3306	0.6252	1.2918	2.4182	4.307	3.448	3.2787	0.2168	1.34987	2.17722
Nitrogen Oxide	TM7	9	19	27	84	39	31	0.0353	0.4532	0.1631	0.9396	1.2163	1.572	2.7338		0.8344	0.3345	0.6327	1.3052	2.4432	4.3516	3.4837	3.3127	0.2215	1.36405	2.20007
Nitrogen Oxide	TM7	9	20	27	86	39	14	0.0346	0.4448	0.1534	0.9315	1.2044	1.5555	2.7069		0.8196	0.3308	0.6254	1.2924	2.4192	4.3088	3.4494	3.2802	0.2169	1.14676	1.84961
Nitrogen Oxide	TM7	9	21	27	87	39	3	0.0342	0.4404	0.1486	0.9274	1.1984	1.5472	2.6935		0.8122	0.329	0.6218	1.286	2.4073	4.2875	3.4323	3.2639	0.2146	1.80707	2.91462
Nitrogen Oxide	TM7	9	22	27	89	39	0	0.0337	0.4319	0.1389	0.9193	1.1864	1.5307	2.6667		0.7973	0.3252	0.6146	1.2732	2.3832	4.2448	3.3982	3.2314	0.2099	0	0
Nitrogen Oxide	TM7	9	23	27	89	39	0	0.0337	0.4319	0.1389	0.9193	1.1864	1.5307	2.6667		0.7973	0.3252	0.6146	1.2732	2.3832	4.2448	3.3982	3.2314	0.2099	0	0
Nitrogen Oxide	TM7	9	24	26	89	39	0	0.0351	0.4509	0.1639	0.9408	1.2182	1.5746	2.7384		0.8365	0.3352	0.6337	1.3072	2.447	4.3583	3.489	3.3178	0.2222	0	0
Nitrogen Oxide	TM7	10	1	24	74	39	0	0.0419	0.5408	0.1699	1.0312	1.3512	1.7589	3.0369		1.0012	0.3772	0.7139	1.45	2.7143	4.8342	3.87	3.6802	0.2733	0	0
Nitrogen Oxide	TM7	10	2	23	74	39	0	0.0431	0.5556	0.1879	1.0465	1.3737	1.7913	3.0876		1.0344	0.3846	0.7284	1.4741	2.7595	4.9148	3.9345	3.7415	0.2841	0	0
Nitrogen Oxide	TM7	10	3	23	74	39	0	0.0431	0.5556	0.1879	1.0465	1.3737	1.7913	3.0876		1.0344	0.3846	0.7284	1.4741	2.7595	4.9148	3.9345	3.7415	0.2841	0	0
Nitrogen Oxide	TM7	10	4	23	75	39	0	0.0429	0.5524	0.1842	1.0434	1.369	1.7848	3.0771		1.0285	0.3832	0.7256	1.4692	2.7501	4.8982	3.9212	3.7288	0.2823	0	0
Nitrogen Oxide	TM7	10	5	23	74	39	0	0.0431	0.5556	0.1879	1.0465	1.3737	1.7913	3.0876		1.0344	0.3846	0.7284	1.4741	2.7595	4.9148	3.9345	3.7415	0.2841	0	0
Nitrogen Oxide	TM7	10	6	23	75	39	0	0.0429	0.5524	0.1842	1.0434	1.369	1.7848	3.0771		1.0285	0.3832	0.7256	1.4692	2.7501	4.8982	3.9212	3.7288	0.2823	0	0
Nitrogen Oxide	TM7	10	7	23	75	39	2	0.0429	0.5524	0.1842	1.0434	1.369	1.7848	3.0771		1.0285	0.3832	0.7256	1.4692	2.7501	4.8982	3.9212	3.7288	0.2823	0.29765	0.48008
Nitrogen Oxide	TM7	10	8	23	72	39	21	0.0435	0.562	0.1954	1.0529	1.3831	1.8042	3.1085		1.046	0.3876	0.734	1.4842	2.7782	4.9481	3.9612	3.7668	0.2878	1.66403	2.68392
Nitrogen Oxide	TM7	10	9	24	69	39	47	0.0432	0.5582	0.1899	1.048	1.376	1.7932	3.0926		1.032	0.3849	0.729	1.4766	2.764	4.9229	3.9411	3.7477	0.2828	1.62712	2.62438
Nitrogen Oxide	TM7	10	10	25	64	39	55	0.0437	0.564	0.1941	1.0509	1.3803	1.7991	3.1022		1.0376	0.386	0.7316	1.4812	2.7725	4.9381	3.9532	3.7591	0.2846	1.57207	2.5356
Nitrogen Oxide	TM7	10	11	25	61	39	31	0.0437	0.5644	0.1911	1.0477	1.3754	1.7924	3.0913		1.032	0.3842	0.7287	1.476	2.7628	4.9208	3.9393	3.746	0.2828	1.55488	2.50787
Nitrogen Oxide	TM7	10	12	27	60	39	24	0.0433	0.5575	0.1791	1.0369	1.3596	1.7705	3.0559		1.0127	0.3792	0.7192	1.459	2.7311	4.8644	3.8941	3.703	0.2768	1.65985	2.67718
Nitrogen Oxide	TM7	10	13	27	59	39	24	0.0435	0.5616	0.1839	1.0409	1.3656	1.7788	3.0693		1.0202	0.381	0.7229	1.4655	2.7432	4.8857	3.9112	3.7193	0.2791	1.66745	2.68944
Nitrogen Oxide	TM7	10	14	27	59	39	24	0.0435	0.5616	0.1839	1.0409	1.3656	1.7788	3.0693		1.0202	0.381	0.7229	1.4655	2.7432	4.8857	3.9112	3.7193	0.2791	1.66745	2.68944
Nitrogen Oxide	TM7	10	15	27	60	39	31	0.0433	0.5575	0.1791	1.0369	1.3596	1.7705	3.0559		1.0127	0.3792	0.7192	1.459	2.7311	4.8644	3.8941	3.703	0.2768	1.53661	2.4784
Nitrogen Oxide	TM7	10	16	27	62	39	24	0.0426	0.5489	0.1695	1.0288	1.3476	1.754	3.0291		0.9979	0.3754	0.7112	1.4462	2.7071	4.8216	3.8599	3.6705	0.2723	1.64458	2.65255
Nitrogen Oxide	TM7	10	17	26	65	39	24	0.0428	0.5492	0.1728	1.0324	1.3533	1.7613	3.0409		1.004	0.3772	0.7151	1.4519	2.7177	4.8404	3.8749	3.6842	0.2742	1.65982	2.66261
Nitrogen Oxide	TM7	10	18	25	67	39	31	0.0429	0.5528	0.1813	1.0402	1.3644	1.7771	3.0666		1.018	0.3809	0.722	1.4641	2.7407	4.8914	3.9078	3.7161	0.2784	1.54109	2.48562
Nitrogen Oxide	TM7	10	19	25	69	39	31	0.0423	0.5453	0.1728	1.033	1.3539	1.7625	3.0429		1.0048	0.3777	0.7156	1.4528	2.7195	4.8436	3.8775	3.6873	0.2745	1.52841	2.46518
Nitrogen Oxide	TM7	10	20	25	71	39	14	0.0417	0.5378	0.1642	1.0258	1.3433	1.7479	3.0192		0.9917	0.3744	0.7093	1.4415	2.6983	4.8059	3.8473	3.6586	0.2704	1.28721	2.07614
Nitrogen Oxide	TM7	10	21	24	71	39	3	0.0428	0.5512	0.1819	1.0413	1.3661	1.7795	3.0704		1.0197	0.3818	0.723	1.466	2.7441	4.8874	3.9127	3.7207	0.2751	2.06123	3.32452
Nitrogen Oxide	TM7	10	22	24	71	39	0	0.0428	0.5512	0.1819	1.0413	1.3661	1.7795	3.0704		1.0197	0.3818	0.723	1.466	2.7441	4.8874	3.9127	3.7207	0.2751	0	0
Nitrogen Oxide	TM7	10	23	24	72	39	0	0.0425	0.5478	0.1779	1.038	1.3611	1.7726	3.0593		1.0135	0.3803	0.7199	1.4606	2.7342	4.8697	3.8983	3.7071	0.2771	0	0
Nitrogen Oxide	TM7	10	24	24	72	39	0	0.0425	0.5478	0.1779	1.038	1.3611	1.7726	3.0593		1.0135	0.3803	0.7199	1.4606	2.7342	4.8697	3.8983	3.7071	0.2771	0	0
Nitrogen Oxide	TM7	11	1	21	75	39	0	0.0451	0.5812	0.2179	1.072	1.4111	1.846	3.1716		1.0938	0.3975	0.7528	1.5143	2.8345	5.0485	4.0413	3.8432	0.3039	0	0
Nitrogen Oxide	TM7	11	2	21	74	39	0	0.0452	0.5839	0.2212	1.0747	1.4152	1.8517	3.1807		1.099	0.3988	0.7553	1.5186	2.8427	5.0631	4.0533	3.8544	0.3055	0	0
Nitrogen Oxide	TM7	11	3	21	74	39	0	0.0452	0.5839	0.2212	1.0747	1.4152	1.8517	3.1807		1.099	0.3988	0.7553	1.5186	2.8427	5.0631	4.0533	3.8544	0.3055	0	0
Nitrogen Oxide	TM7	11	4	21	74	39	0	0.0452	0.5839	0.2212	1.0747	1.4152	1.8517	3.1807		1.099	0.3988	0.7553	1.5186	2.8427	5.0631	4.0533	3.8544	0.3055	0	0
Nitrogen Oxide	TM7	11	5	21	74	39	0	0.0452	0.5839	0.2212	1.0747	1.4152	1.8517	3.1807		1.099	0.3988	0.7553	1.5186	2.8427	5.0631	4.0533	3.8544	0.3055	0	0
Nitrogen Oxide	TM7	11	6	21	73	39	0	0.0454	0.5866	0.2245	1.0775	1.4193	1.8574	3.19		1.1041	0.4001	0.7578	1.523	2.851	5.0778	4.065	3.8655	0.3071	0	0
Nitrogen Oxide	TM7	11	7	21	73	39	2	0.0454	0.5866	0.2245	1.0775	1.4193	1.8574	3.19		1.1041	0.4001	0.7578	1.523	2.851	5.0778	4.065	3.8655	0.3071	0.316	0.50968
Nitrogen Oxide	TM7	11	8	21	70	39	21	0.0461	0.5947	0.2343	1.0859	1.4315	1.8744	3.2175		1.1197	0.4039	0.7653	1.5362	2.8756	5.1217	4.1002	3.899	0.312	1.72708	2.78561
Nitrogen Oxide	TM7	11	9	22	66	39	47	0.046	0.5934	0.2329	1.0847	1.4299	1.8707	3.2139		1.1111	0.4028	0.7633	1.5345	2.8724	5.1159	4.0956	3.8946	0.3087	1.69658	2.73642
Nitrogen Oxide	TM7	11	10	23	61	39	55	0.0456	0.5896	0.2364	1.0876	1.4342	1.8757	3.2235		1.11	0.4035	0.7649	1.539	2.881	5.1311	4.1063	3.9061	0.3096	1.63811	2.64212
Nitrogen Oxide	TM7	11	11	25	57	39	31	0.0456	0.5896	0.2237	1.076	1.4172	1.8502	3.1852		1.0836	0.3974	0.7538	1.5208	2.8467	5.0701	4.0589	3.8598	0.2989	1.60436	2.58767
Nitrogen Oxide	TM7	11	12	25	56	39	24	0.0459	0.5931	0.228	1.0796	1.4224	1.8575	3.1971		1.0901	0.3991	0.757	1.5264	2.8573	5.0891	4.074	3.8741	0.3009	1.7392	2.80517
Nitrogen Oxide	TM7	11	13	25	56	39	24	0.0459	0.5931	0.228	1.0796	1.4224	1.8575	3.1971		1.0901	0.3991	0.757	1.5264	2.8573	5.0891	4.074	3.8741	0.3009	1.7392	2.80517
Nitrogen Oxide	TM7	11	14	26	56	39	24	0.0452	0.5835	0.2136	1.0667	1.4035	1.8313	3.1545		1.0669	0.3929	0.7457	1.5061	2.8192	5.0212	4.0198	3.8225	0.2936	1.71541	2.76679
Nitrogen Oxide	TM7	11	15	26	57	39	31	0.043	0.5707	0.209	1.0629	1.3979	1.8235	3.1418		1.0599	0.3912	0.7422	1.5001	2.8079	5.0011	4.0056	3.8071	0.2915	1.5818	2.55129
Nitrogen Oxide	TM7	11	16	25	58	39	24	0.0454	0.586	0.2195	1.0724	1.4119	1.843	3.1733		1.077	0.3958	0.7506	1.5152	2.8361	5.0513	4.0438	3.8453	0.2968	1.72577	2.78351
Nitrogen Oxide	TM7	11	17	24	63	39	24	0.0449	0.5788	0.2137	1.0683	1.4057	1.8344	3.1595		1.0689	0.3942	0.7469	1.5085	2.8238	5.0293	4.0262	3.8286	0.2943	1.71758	2.77029
Nitrogen Oxide	TM7	11	18	23	66	39	31	0.0451	0.5811	0.2178	1.0718	1.411	1.8429	3.1712		1.0809	0.3963	0.7509	1.5141	2.8342	5.048	4.0411	3.8428	0.2986	1.59675	2.57541
Nitrogen Oxide	TM7	11	19	23	70	39	31	0.044	0.5684	0.2029	1.0591	1.3924	1.8171	3.1294		1.0576	0.3905	0.7396	1.4942	2.7969	4.9814	3.9878	3.7922	0.2914	1.57445	2.53943
Nitrogen Oxide	TM7	11	20	22	74	39	14	0.0451	0.5818	0.2191	1.0728	1.4125	1.8465	3.1747		1.0892	0.3973	0.7528	1.5158	2.8373	5.0335	4.0456	3.8473	0.3018	1.35714	2.18894
Nitrogen Oxide	TM7	11	21	22	72	39	3	0.0446	0.5759	0.2121	1.067	1.4038	1.8344	3.1551		1.0782	0.3946	0.7453	1.5064	2.8198	5.0222	4.0205	3.8233	0.2984	2.11857	3.41656
Nitrogen Oxide	TM7	11	22	22	74	39	0	0.0442	0.57	0.2051	1.061	1.3951	1.8223	3.1355		1.0672	0.3918	0.7422	1.497	2.8023	4.9911	3.9956	3.7995	0.295	0	0
Nitrogen Oxide	TM7	11	23	22	74	39	0	0.0442	0.57	0.2051	1.061	1.3951	1.8223	3.1355		1.0672	0.3918	0.7422	1.497	2.8023	4.9911	3.9956	3.7995	0.295	0	0
Nitrogen Oxide	TM7	11	24	21	74	39	0	0.0452	0.5839	0.2212	1.0747	1.4152	1.8517	3.1807		1.099	0.3988	0.7553	1.5186	2.8427	5.0631	4.0533	3.8544	0.3055	0	0
Nitrogen Oxide	TM7	12	1	16	68	39	0	0.0538	0.6976	0.3092	1.1446	1.5177	2.0027	3.4111		1.2658	0.4357	0.8232	1.6286	3.0485	5.4296	4.3467	4.1334	0.3613	0	0
Nitrogen Oxide	TM7	12	2	16	68	39	0	0.0536	0.6953	0.3068	1.1425	1.5147	1.9985	3.4044		1.262	0.4347	0.8213	1.6254	3.0427	5.4192	4.3383	4.1254	0.3601	0	0
Nitrogen Oxide	TM7	12	3	16	69	39	0	0.0536	0.6953	0.3068	1.1425	1.5147	1.9985	3.4044		1.262	0.4347	0.8213	1.6254	3.0427	5.4192	4.3383	4.1254	0.3601	0	0
Nitrogen Oxide	TM7	12	4	15	70	39	0	0.0551	0.715	0.3167	1.1496	1.5251	2.0149	3.4277		1.2832	0.4391	0.8289	1.6365	3.0634	5.4562	4.3679	4.1536	0.3675	0	0
Nitrogen Oxide	TM7	12	5	15	70	39	0	0.0551	0.715	0.3167	1.1496	1.5251	2.0149	3.4277		1.2832	0.4391	0.8289	1.6365	3.0634	5.4562	4.3679	4.1536	0.3675	0	0
Nitrogen Oxide	TM7	12	6	15	70	39	0	0.0551	0.715	0.3167	1.1496	1.5251	2.0149	3.4277		1.2832	0.4391	0.8289	1.6365	3.0634	5.4562	4.3679	4.1536	0.3675	0	0
Nitrogen Oxide	TM7	12	7	15	69	39	2	0.0551	0.715	0.3167	1.1496	1.5251	2.0149	3.4277		1.2832	0.4391	0.8289	1.6365	3.0634	5.4562	4.3679	4.1536	0.3675	0.38505	0.62105
Nitrogen Oxide	TM7	12	8	15	69	39	21	0.0553	0.7173	0.3191	1.1516	1.5278	2.0187	3.4339		1.2868	0.4401	0.8306	1.6395	3.0669	5.466	4.3758	4.1611	0.3686	1.86315	3.00508
Nitrogen Oxide	TM7	12	9	16	65	39	47	0.0544	0.7047	0.3164	1.1506	1.5265	2.0151	3.4309		1.2773	0.4385	0.8286	1.638	3.0663	5.4612	4.372	4.1575	0.3649	1.83063	2.95263
Nitrogen Oxide	TM7	12	10	17	62	39	55	0.0533	0.6908	1.312	1.148	1.5228	2.0081	3.4226		1.2649	0.4363	0.8252	1.6341	3.0588	5.448	4.3614	4.1474	0.3602	1.75699	2.83385
Nitrogen Oxide	TM7	12	11	18	58	39	31	0.0526	0.6803	1.3107	1.148	1.5229	2.0065	3.4228		1.2575	0.4353	0.8242	1.6343	3.0591	5.4485	4.3617	4.1477	0.3572	1.73723	2.80198
Nitrogen Oxide	TM7	12	12	19	57	39	24	0.0512	0.6632	1.3014	1.1414	1.5132	1.9914	3.4011		1.2377	0.4312	0.8171	1.6239	3.0397	5.4138	4.3341	4.1214	0.3503	1.85892	2.99826
Nitrogen Oxide	TM7	12	13	19	56	39	24	0.0515	0.6659	1.3044	1.1438	1.5168	1.9964	3.4092		1.2424	0.4325	0.8193	1.6277	3.0469	5.4267	4.3443	4.1312	0.3517	1.86357	3.00576
Nitrogen Oxide	TM7	12	14	19	56	39	24	0.0515	0.6659	1.3044	1.1438	1.5168	1.9964	3.4092		1.2424	0.4325	0.8193	1.6277	3.0469	5.4267	4.3443	4.1312	0.3517	1.86357	3.00576
Nitrogen Oxide	TM7	12	15	19	56	39	31	0.0515	0.6659	1.3044	1.1438	1.5168	1.9964	3.4092		1.2424	0.4325	0.8193	1.6277	3.0469	5.4267	4.3443	4.1312	0.3517	1.72782	2.78681
Nitrogen Oxide	TM7	12	16	19	57	39	24	0.0512	0.6632	1.3014	1.1414	1.5132	1.9914	3.4011		1.2377	0.4312	0.8171	1.6239	3.0397	5.4138	4.3341	4.1214	0.3503	1.85892	2.99826
Nitrogen Oxide	TM7	12	17	18	60	39	24	0.0522	0.6751	1.3052	1.1435	1.5161	1.9972	3.4077		1.2489	0.4331	0.82	1.627	3.0456	5.4244	4.3424	4.1294	0.3544	1.86438	3.00706
Nitrogen Oxide	TM7	12	18	18	64	39	31	0.0513	0.6648	1.2942	1.1343	1.5027	1.9784	3.3774		1.2316	0.4289	0.8118	1.6

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:

(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.

(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Oxide	TM8	3	3	20	87	43	0	0.0419	0.5423	1.1423	1.0002	1.3213	1.7162	2.9178		1.013	0.3672	0.6941	1.3941	2.6309	4.635	3.7284	3.4944	0.2908	0	0
Nitrogen Oxide	TM8	3	4	20	87	43	0	0.0419	0.5423	1.1423	1.0002	1.3213	1.7162	2.9178		1.013	0.3672	0.6941	1.3941	2.6309	4.635	3.7284	3.4944	0.2908	0	0
Nitrogen Oxide	TM8	3	5	20	87	43	0	0.0419	0.5423	1.1423	1.0002	1.3213	1.7162	2.9178		1.013	0.3672	0.6941	1.3941	2.6309	4.635	3.7284	3.4944	0.2908	0	0
Nitrogen Oxide	TM8	3	6	20	87	43	0	0.0419	0.5423	1.1423	1.0002	1.3213	1.7162	2.9178		1.013	0.3672	0.6941	1.3941	2.6309	4.635	3.7284	3.4944	0.2908	0	0
Nitrogen Oxide	TM8	3	7	20	87	43	0	0.0419	0.5423	1.1423	1.0002	1.3213	1.7162	2.9178		1.013	0.3672	0.6941	1.3941	2.6309	4.635	3.7284	3.4944	0.2908	0	0
Nitrogen Oxide	TM8	3	8	20	86	43	2	0.0421	0.5446	1.1452	1.0028	1.325	1.7213	2.9259		1.0176	0.3683	0.6962	1.398	2.6381	4.6477	3.7388	3.5041	0.2923	2.3236	3.74774
Nitrogen Oxide	TM8	3	9	21	83	43	11	0.0415	0.5373	1.1377	0.9963	1.3156	1.7069	2.9052		0.9998	0.3647	0.6897	1.3881	2.6195	4.6148	3.7122	3.4793	0.286	1.37706	2.22107
Nitrogen Oxide	TM8	3	10	22	79	43	12	0.0413	0.5332	1.1336	0.9931	1.3107	1.6989	2.8944		0.9878	0.3627	0.686	1.3829	2.6097	4.5977	3.6984	3.4663	0.2815	1.27407	2.05495
Nitrogen Oxide	TM8	3	11	22	78	43	5	0.0414	0.5362	1.137	0.9959	1.3148	1.7046	2.9035		0.9931	0.364	0.6885	1.3873	2.618	4.6122	3.7101	3.4773	0.2832	0.9258	1.49323
Nitrogen Oxide	TM8	3	12	23	77	43	5	0.0406	0.5244	1.1233	0.9843	1.2979	1.6799	2.866		0.9661	0.3583	0.6774	1.3694	2.5841	4.5526	3.6622	3.4324	0.2739	1.13816	2.19058
Nitrogen Oxide	TM8	3	13	23	77	43	4	0.0406	0.5244	1.1233	0.9843	1.2979	1.6799	2.866		0.9661	0.3583	0.6774	1.3694	2.5841	4.5526	3.6622	3.4324	0.2739	1.13092	1.82407
Nitrogen Oxide	TM8	3	14	23	77	43	5	0.0406	0.5244	1.1233	0.9843	1.2979	1.6799	2.866		0.9661	0.3583	0.6774	1.3694	2.5841	4.5526	3.6622	3.4324	0.2739	1.00962	1.62842
Nitrogen Oxide	TM8	3	15	23	76	43	5	0.0408	0.5276	1.1268	0.9874	1.3023	1.6861	2.8758		0.9717	0.3595	0.6801	1.374	2.5929	4.5681	3.6747	3.4441	0.2757	0.91612	1.47761
Nitrogen Oxide	TM8	3	16	23	77	43	4	0.0406	0.5244	1.1233	0.9843	1.2979	1.6799	2.866		0.9661	0.3583	0.6774	1.3694	2.5841	4.5526	3.6622	3.4324	0.2739	1.68755	2.72185
Nitrogen Oxide	TM8	3	17	22	79	43	5	0.0413	0.5332	1.1336	0.9931	1.3107	1.6989	2.8944		0.9878	0.3627	0.686	1.3829	2.6097	4.5977	3.6984	3.4663	0.2815	1.02118	1.64706
Nitrogen Oxide	TM8	3	18	22	82	43	4	0.0406	0.5247	1.1236	0.9846	1.2982	1.6817	2.8667		0.9722	0.3588	0.6785	1.3697	2.5848	4.5538	3.6631	3.4333	0.2765	1.1319	1.82565
Nitrogen Oxide	TM8	3	19	21	84	43	5	0.0414	0.5346	1.1345	0.9937	1.3117	1.7016	2.8965		0.995	0.3635	0.6874	1.384	2.6117	4.6011	3.7012	3.469	0.2843	0.9241	1.49048
Nitrogen Oxide	TM8	3	20	21	85	43	3	0.0412	0.5321	1.1314	0.9911	1.3078	1.6961	2.8879		0.99	0.3623	0.685	1.3798	2.6039	4.5874	3.6902	3.4586	0.2827	0.5682	0.91645
Nitrogen Oxide	TM8	3	21	21	86	43	1	0.041	0.5293	1.1282	0.9885	1.3038	1.6908	2.8793		0.9851	0.3611	0.6827	1.3757	2.5961	4.5738	3.6792	3.4483	0.2812	0	0
Nitrogen Oxide	TM8	3	22	21	86	43	1	0.041	0.5293	1.1282	0.9885	1.3038	1.6908	2.8793		0.9851	0.3611	0.6827	1.3757	2.5961	4.5738	3.6792	3.4483	0.2812	0.041	0.06613
Nitrogen Oxide	TM8	3	23	21	85	43	0	0.0412	0.532	1.1314	0.9911	1.3078	1.6961	2.8879		0.99	0.3623	0.685	1.3798	2.6039	4.5874	3.6902	3.4586	0.2827	0	0
Nitrogen Oxide	TM8	3	24	21	86	43	0	0.041	0.5293	1.1282	0.9885	1.3038	1.6908	2.8793		0.9851	0.3611	0.6827	1.3757	2.5961	4.5738	3.6792	3.4483	0.2812	0	0
Nitrogen Oxide	TM8	4	1	20	83	43	0	0.0427	0.552	1.1541	1.0101	1.336	1.7364	2.9501		1.0316	0.3718	0.7029	1.4095	2.66	4.6863	3.7697	3.5331	0.2968	0	0
Nitrogen Oxide	TM8	4	2	20	85	43	0	0.0423	0.5471	1.1482	1.0052	1.3287	1.7263	2.934		1.0223	0.3695	0.6984	1.4019	2.6454	4.6606	3.749	3.5138	0.2937	0	0
Nitrogen Oxide	TM8	4	3	20	84	43	0	0.0425	0.5496	1.1511	1.0077	1.3323	1.7313	2.942		1.027	0.3707	0.7007	1.4057	2.6527	4.6735	3.7594	3.5235	0.2953	0	0
Nitrogen Oxide	TM8	4	4	20	85	43	0	0.0423	0.5471	1.1482	1.0052	1.3287	1.7263	2.934		1.0223	0.3695	0.6984	1.4019	2.6454	4.6606	3.749	3.5138	0.2937	0	0
Nitrogen Oxide	TM8	4	5	19	84	43	0	0.0437	0.5661	1.1671	1.0209	1.3517	1.7597	2.985		1.0579	0.3775	0.7133	1.4262	2.6914	4.7417	3.8143	3.5749	0.3059	0	0
Nitrogen Oxide	TM8	4	6	19	84	43	0	0.0437	0.5661	1.1671	1.0209	1.3517	1.7597	2.985		1.0579	0.3775	0.7133	1.4262	2.6914	4.7417	3.8143	3.5749	0.3059	0	0
Nitrogen Oxide	TM8	4	7	20	84	43	0	0.0425	0.5496	1.1511	1.0077	1.3323	1.7313	2.942		1.027	0.3707	0.7007	1.4057	2.6527	4.6735	3.7594	3.5235	0.2953	0	0
Nitrogen Oxide	TM8	4	8	21	79	43	2	0.0424	0.5478	1.1502	1.0069	1.3312	1.7285	2.9397		1.0196	0.3697	0.6991	1.4046	2.6506	4.6696	3.7563	3.5206	0.2923	2.3341	3.76468
Nitrogen Oxide	TM8	4	9	22	73	43	11	0.0426	0.5503	1.1537	1.0099	1.3357	1.7333	2.9495		1.0193	0.3704	0.7009	1.4093	2.6594	4.6852	3.7689	3.5324	0.2916	1.39875	2.25606
Nitrogen Oxide	TM8	4	10	23	69	43	12	0.0425	0.5491	1.1518	1.0083	1.3334	1.7288	2.9445		1.0104	0.3692	0.6986	1.4069	2.6548	4.6772	3.7624	3.5262	0.2881	1.29712	2.09212
Nitrogen Oxide	TM8	4	11	23	68	43	5	0.0427	0.5521	1.1555	1.0113	1.3378	1.7349	2.9543		1.016	0.3706	0.7013	1.4115	2.6637	4.6927	3.7748	3.538	0.2899	0.94214	1.51958
Nitrogen Oxide	TM8	4	12	24	66	43	5	0.0422	0.546	1.1473	1.0044	1.3275	1.7196	2.9316		0.998	0.3669	0.6943	1.4006	2.6432	4.6567	3.7459	3.5108	0.2836	1.3918	2.24484
Nitrogen Oxide	TM8	4	13	24	65	43	4	0.0425	0.5494	1.1511	1.0075	1.3322	1.7261	2.942		1.0038	0.3684	0.6971	1.4057	2.6526	4.6732	3.7592	3.5233	0.2855	1.16145	1.87331
Nitrogen Oxide	TM8	4	14	24	66	43	5	0.0422	0.546	1.1473	1.0044	1.3275	1.7196	2.9316		0.998	0.3669	0.6943	1.4006	2.6432	4.6567	3.7459	3.5108	0.2836	1.03494	1.66926
Nitrogen Oxide	TM8	4	15	24	66	43	5	0.0422	0.546	1.1473	1.0044	1.3275	1.7196	2.9316		0.998	0.3669	0.6943	1.4006	2.6432	4.6567	3.7459	3.5108	0.2836	0.93418	1.50674
Nitrogen Oxide	TM8	4	16	24	67	43	4	0.042	0.5428	1.1435	1.0012	1.3228	1.7131	2.923		0.9921	0.3655	0.6915	1.3957	2.6338	4.64	3.7325	3.4983	0.2818	1.7225	2.77823
Nitrogen Oxide	TM8	4	17	23	69	43	5	0.0425	0.5491	1.1518	1.0083	1.3334	1.7288	2.9445		1.0104	0.3692	0.6986	1.4069	2.6548	4.6772	3.7624	3.5262	0.2881	1.0402	1.67774
Nitrogen Oxide	TM8	4	18	22	74	43	4	0.0423	0.5475	1.1503	1.0071	1.3315	1.7276	2.9403		1.014	0.3692	0.6984	1.4049	2.6511	4.6706	3.7571	3.5214	0.2898	1.16195	1.87411
Nitrogen Oxide	TM8	4	19	22	76	43	5	0.0419	0.5418	1.1437	1.0015	1.3232	1.7161	2.9219		1.0036	0.3666	0.6934	1.3961	2.6345	4.6414	3.7336	3.4993	0.2865	0.93194	1.50313
Nitrogen Oxide	TM8	4	20	21	79	43	3	0.0424	0.5478	1.1502	1.0069	1.3312	1.7285	2.9397		1.0196	0.3697	0.6991	1.4046	2.6506	4.6696	3.7563	3.5206	0.2923	0.58013	0.9357
Nitrogen Oxide	TM8	4	21	21	80	43	0	0.0421	0.5451	1.1471	1.0043	1.3273	1.7231	2.9311		1.0146	0.3685	0.6968	1.4004	2.6428	4.6559	3.7453	3.5103	0.2907	0	0
Nitrogen Oxide	TM8	4	22	21	81	43	1	0.0419	0.5425	1.1439	1.0016	1.3233	1.7178	2.9224		1.0098	0.3672	0.6944	1.3983	2.635	4.6422	3.7343	3.4993	0.2891	0.04119	0.06758
Nitrogen Oxide	TM8	4	23	21	82	43	0	0.0417	0.5399	1.1407	0.999	1.3195	1.7123	2.9138		1.0048	0.366	0.6921	1.3922	2.6272	4.6285	3.7232	3.4896	0.2876	0	0
Nitrogen Oxide	TM8	4	24	20	82	43	0	0.0429	0.5544	1.157	1.0127	1.3396	1.7415	2.9583		1.0363	0.3729	0.7051	1.4134	2.6673	4.6991	3.78	3.5428	0.2983	0	0
Nitrogen Oxide	TM8	5	1	26	91	43	0	0.0331	0.4255	1.0066	0.8858	1.152	1.4782	2.5439		0.7811	0.3123	0.5897	1.2155	2.2937	4.0409	3.2506	3.0466	0.214	0	0
Nitrogen Oxide	TM8	5	2	25	92	43	0	0.0342	0.4406	1.0257	0.9023	1.1763	1.5117	2.5977		0.811	0.32	0.6042	1.2412	2.3422	4.1264	3.3193	3.111	0.2236	0	0
Nitrogen Oxide	TM8	5	3	25	92	43	0	0.0342	0.4406	1.0257	0.9023	1.1763	1.5117	2.5977		0.811	0.32	0.6042	1.2412	2.3422	4.1264	3.3193	3.111	0.2236	0	0
Nitrogen Oxide	TM8	5	4	25	91	43	0	0.0345	0.4443	1.0298	0.9057	1.1814	1.5186	2.6089		0.8173	0.3216	0.6073	1.2464	2.3522	4.144	3.3335	3.1244	0.2257	0	0
Nitrogen Oxide	TM8	5	5	25	92	43	0	0.0342	0.4406	1.0257	0.9023	1.1763	1.5117	2.5977		0.811	0.32	0.6042	1.2412	2.3422	4.1264	3.3193	3.111	0.2236	0	0
Nitrogen Oxide	TM8	5	6	25	93	43	0	0.034	0.437	1.0216	0.8989	1.1714	1.5048	2.5866		0.8048	0.3185	0.6013	1.2359	2.3321	4.1087	3.3051	3.0977	0.2216	0	0
Nitrogen Oxide	TM8	5	7	26	91	43	0	0.0331	0.4255	1.0066	0.8858	1.152	1.4782	2.5439		0.7811	0.3123	0.5897	1.2155	2.2937	4.0409	3.2506	3.0466	0.214	0	0
Nitrogen Oxide	TM8	5	8	27	85	43	2	0.0335	0.4313	1.0099	0.888	1.1552	1.4826	2.551		0.7853	0.3133	0.5917	1.2188	2.3001	4.0522	3.2597	3.0551	0.2155	2.0168	3.2529
Nitrogen Oxide	TM8	5	9	28	78	43	11	0.0339	0.4362	1.0107	0.8879	1.1551	1.4825	2.5507		0.7856	0.3132	0.5917	1.2187	2.2998	4.0517	3.2592	3.0548	0.2155	1.91884	1.19864
Nitrogen Oxide	TM8	5	10	28	78	43	12	0.0345	0.4453	1.0206	0.8961	1.1672	1.4991	2.5774		0.8005	0.3169	0.5989	1.2315	2.3239	4.0942	3.2935	3.0867	0.2202	1.11833	1.80375
Nitrogen Oxide	TM8	5	11	29	77	43	5	0.0337	0.4339	1.0028	0.8806	1.1443	1.4676	2.5268		0.7724	0.31	0.5853	1.2073	2.2783	4.0139	3.2288	3.0262	0.2112	0.80108	1.29206
Nitrogen Oxide	TM8	5	12	29	75	43	5	0.0344	0.4435	1.0132	0.8893	1.1571	1.4853	2.5553		0.7883	0.314	0.593	1.2209	2.3039	4.059	3.2651	3.0602	0.2163	1.20076	1.93671
Nitrogen Oxide	TM8	5	13	29	74	43	4	0.0348	0.4483	1.0184	0.8937	1.1636	1.4942	2.5694		0.7963	0.3158	0.5968	1.2277	2.3167	4.0815	3.2832	3.0772	0.2189	1.0104	1.62968
Nitrogen Oxide	TM8	5	14	29	75	43	5	0.0344	0.4435	1.0132	0.8893	1.1571	1.4853	2.5553		0.7883	0.314	0.593	1.2209	2.3039	4.059	3.2651	3.0602	0.2163	0.89234	1.43926
Nitrogen Oxide	TM8	5	15	29	75	43	5	0.0344	0.4435	1.0132	0.8893	1.1571	1.4853	2.5553		0.7883	0.314	0.593	1.2209	2.3039	4.059	3.2651	3.0602	0.2163	0.81729	1.31829
Nitrogen Oxide	TM8	5	16	29	77	43	4	0.0337	0.4339	1.0028	0.8806	1.1443	1.4676	2.5268		0.7724	0.31	0.5853	1.2073	2.2783	4.0139	3.2288	3.0262	0.2112	1.47398	2.37738
Nitrogen Oxide	TM8	5	17	28	78	43	5	0.0345	0.4453	1.0206	0.8961	1.1672	1.4991	2.5774		0.8005	0.3169	0.5989	1.2315	2.3239	4.0942	3.2935	3.0867	0.2202	0.89972	1.45116
Nitrogen Oxide	TM8	5	18	28	81	43	4	0.0336	0.4319	1.0057	0.8839	1.149	1.4741	2.5373		0.778	0.3114	0.588	1.2123	2.2878	4.0305	3.2421	3.0387	0.213	0.99688	1.60786
Nitrogen Oxide	TM8	5	19	27	84	43	3	0.0338	0.4353	1.0146	0.8919	1.1609	1.4905	2.5636		0.7923	0.3155	0.5951	1.2249	2.3115	4.0722	3.2757	3.0702	0.2178	0.81264	1.31071
Nitrogen Oxide	TM8	5	20	27	88	43	3	0.0329	0.4231	1.0007	0.8803	1.1438	1.467	2.5258		0.7712	0.3097	0.5849	1.2068	2.2774	4.0122	3.2275	3.025	0.2109	0.48557	0.78317
Nitrogen Oxide	TM8	5	21	27	88	43	0	0.0325	0.4189	0.996	0.8765	1.1382	1.4591	2.5133		0.7642	0.3081	0.5816	1.2009	2.266	3.9923	3.2114	3.0099	0.2086	0	0
Nitrogen Oxide	TM8	5	22	26	89	43	1	0.0337	0.4332	1.0153	0.8931	1.1627	1.4929	2.5676		0.7944	0.3156	0.5961	1.2268	2.315	4.0785	3.2808	3.0749	0.2183	0.0337	0.05435
Nitrogen Oxide	TM8	5	23	26	89	43	0	0.0337	0.4332	1.0153	0.8931	1.1627	1.4929	2.5676		0.7944	0.3156	0.5961	1.2268	2.315	4.0785	3.2808	3.0749	0.2183	0	0
Nitrogen Oxide	TM8	5	24	26	90	43	0	0.0334	0.4293	1.0109	0.8895	1.1574	1.4856	2.5557		0.7877	0.3139	0.5929	1.2211	2.3043	4.0596	3.2656	3.0608	0.2162	0	0
Nitrogen Oxide	TM8	6	1	28	88	43	0	0.0312	0.4016	0.9714	0.8552	1.1066	1.4138	2.4437		0.7253	0.2982	0.5628	1.1676	2.2033	3.8817	3.1225	2.9266	0.1962	0	0
Nitrogen Oxide	TM8	6	2	27	89	43	0	0.0322	0.4148	0.9914	0.8727	1.1324	1.4513	2.5007		0.7571	0.3062	0.5781	1.1948	2.2547	3.9722	3.1953	2.9948	0.2063	0	0
Nitrogen Oxide	TM8	6	3	27	89	43	0	0.0322	0.4148	0.9914	0.8727	1.1324	1.4513	2.5007		0.7571	0.3062	0.5781	1.1948	2.2547	3.9722	3.1953	2.9948	0.2063	0	0
Nitrogen Oxide	TM8	6	4	27	88	43	0	0.0325	0.4189	0.996	0.8765	1.1382	1.4591	2.5133		0.7642	0.3081	0.5816	1.2009	2.266	3.9923	3.2114	3.0099	0.2086	0	0
Nitrogen Oxide	TM8	6	5	27	89	43	0	0.0322	0.4148	0.9914	0.8727	1.1324	1.4513	2.5007		0.7571	0.3062	0.5781	1.1948	2.2547	3.9722	3.1953	2.9948	0.2063	0	0
Nitrogen Oxide	TM8	6	6	27	90	43	0	0.032	0.4107	0.9868	0.8688	1.1267	1.4434	2.4881		0.75	0.3044	0.5747	1.1888	2.2433	3.9523	3.1793	2.9798	0.2041	0	0
Nitrogen Oxide	TM8	6	7	28	87	43	0	0.0316	0.4059	0.9763	0.8593	1.1127	1.4242	2.4571		0.7329	0.3001	0.5663	1.174	2.2154	3.903	3.1396	2.9426	0.1985	0	0
Nitrogen Oxide	TM8	6	8	29	82	43	2	0.0319	0.4101	0.9765	0.859	1.1121	1.4233	2.4558		0.7324	0.3001	0.566	1.1734	2.2142	3.901	3.138	2.9411	0.1985	1.93955	3.12831
Nitrogen Oxide	TM8	6	9	29	79	43	11	0.0329	0.4241	0.9922	0.8719	1.1314	1.4499	2.4984		0.7565	0.306	0.5776	1.1938	2.2527	3.9687	3.1924	2.9921	0.2062	1.16267	1.87528
Nitrogen Oxide	TM8	6	10	30	76	43	12	0.0328	0.4231	0.9844	0.8648	1.1207	1.4352	2.4747		0.7434	0.3028	0.5712	1.1824	2.2314	3.9311	3.1622	2.9638	0.2019	1.06881	1.72388
Nitrogen Oxide	TM8	6	11	30	75	43	5	0.0332	0.4282	0.99	0.8693	1.1275	1.4445	2.4898		0.7519	0.305	0.5753	1.1896	2.2449	3.9551	3.1815	2.9818	0.2046	0.78908	1.27271
Nitrogen Oxide	TM8	6	12	30	74	43	5	0.0336	0.4333	0.9956	0.874	1.1344	1.454	2.5049		0.7604	0.3071	0.5794	1.1968	2.2585	3.9789	3.2008	2.9999	0.2074	1.17596	1.89671
Nitrogen Oxide	TM8	6	13	30	73	43	4	0.0328	0.4229	0.9773	0.8581	1.1109	1.4218	2.4532		0.7315	0.3001	0.5654	1.1719	2.2119	3.8968	3.1347	2.9181	0.1981	0.96343	1.55391
Nitrogen Oxide	TM8	6	14	31	72	43	5	0.0332	0.4283	0.9833	0.8631	1.1182	1.4317	2.4692		0.7405	0.3023	0.5697	1.1797	2.2263	3.9222	3.1551	2.9571	0.2009	0.86164	1.38974
Nitrogen Oxide	TM8	6	15	30	74	43	5	0.0336	0.4333	0.9956	0.874	1.1344	1.454	2.5049		0.7604	0.3071	0.5794	1.1968	2.2585	3.9789	3.2008	2.9999	0.2074	0.79416	1.2809
Nitrogen Oxide	TM8	6	16	30	74	43	4	0.0336	0.4333	0.9956	0.874	1.1344	1.454	2.5049		0.7604	0.3071	0.5794	1.1968	2.2585	3.9789	3.2008	2.9999	0.2074	1.46155	2.35734
Nitrogen Oxide	TM8	6	17	30	75	43	5	0.0332	0.4282	0.99	0.8693	1.1275	1.4445	2.4898		0.7519	0.305	0.5753	1.1896	2.2449	3.9551	3.1815	2.9818	0.2046	0.86808	1.40013
Nitrogen Oxide	TM8	6	18	29	79	43	4	0.0329	0.4241	0.9922	0.8719	1.1314	1.4499	2.4984		0.7565	0.306	0.5776	1.1938	2.2527	3.9687	3.1924	2.9921	0.2062	0.98122	1.58262
Nitrogen Oxide	TM8	6	19	29	81	43	5	0.0322	0.4147	0.9818	0.8633	1.1186	1.4322	2.47		0.7404	0.3028	0.57	1.1802	2.2271	3.9235	3.1562	2.9581	0.201	0.79212	1.26148
Nitrogen Oxide	TM8	6	20	28	83	43	3	0.0329	0.4234	0.9959	0.8757	1.1369	1.4574	2.5106		0.7629	0.3075	0.5809	1.1995	2.2636	3.988	3.208	3.0067	0.2082	0.48407	0.78075
Nitrogen Oxide	TM8	6	21	28	86	43	0	0.0322	0.4147	0.9861	0.8675	1.1247	1.4409	2.4838		0.748	0.3038	0.5736	1.1867	2.2395	3.9455	3.1738	2.9746	0.2034	0	0
Nitrogen Oxide	TM8	6	22	28	86	43	1	0.0319	0.4103	0.9812	0.8635	1.1187	1.4325	2.4704		0.7404	0.302	0.57	1.1804	2.2274	3.9243	3.1567	2.9586	0.201	0.0319	0.05145
Nitrogen Oxide	TM8	6	23	28	87	43	0	0.0316	0.4059	0.9763	0.8593	1.1127	1.4242	2.4571		0.7329	0.3001	0.5663	1.174	2.2154	3

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:

(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.

(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Oxide	TM8	9	8	27	88	43	2	0.0325	0.4189	0.996	0.8765	1.1382	1.4591	2.5133		0.7642	0.308	0.5816	1.2009	2.266	3.9923	3.2114	3.0099	0.2086	1.9862	3.20355
Nitrogen Oxide	TM8	9	9	28	83	43	11	0.0329	0.4234	0.9959	0.8757	1.1369	1.4574	2.5106		0.7629	0.3075	0.5809	1.1995	2.2636	3.988	3.208	3.0067	0.2082	1.16878	1.88513
Nitrogen Oxide	TM8	9	10	29	78	43	12	0.0333	0.4291	0.9974	0.8763	1.1378	1.4588	2.5126		0.7644	0.308	0.5814	1.2006	2.2655	3.9913	3.2107	3.0091	0.2086	1.08703	1.75328
Nitrogen Oxide	TM8	9	11	29	76	43	5	0.034	0.4387	1.008	0.885	1.1507	1.4765	2.5411		0.7804	0.312	0.5891	1.2141	2.2911	4.0364	3.2469	3.0432	0.2137	1.08058	1.74256
Nitrogen Oxide	TM8	9	12	29	76	43	5	0.034	0.4387	1.008	0.885	1.1507	1.4765	2.5411		0.7804	0.312	0.5891	1.2141	2.2911	4.0364	3.2469	3.0432	0.2137	1.19336	1.92477
Nitrogen Oxide	TM8	9	13	30	75	43	4	0.0332	0.4282	0.99	0.8693	1.1275	1.4445	2.4898		0.7519	0.305	0.5753	1.1896	2.2449	3.9551	3.1815	2.9818	0.2046	0.97805	1.5775
Nitrogen Oxide	TM8	9	14	29	75	43	5	0.0344	0.4435	1.0132	0.8893	1.1571	1.4853	2.5553		0.7883	0.314	0.593	1.2209	2.3039	4.059	3.2651	3.0602	0.2163	0.89234	1.43926
Nitrogen Oxide	TM8	9	15	29	77	43	5	0.0337	0.4339	1.0028	0.8806	1.1443	1.4676	2.5268		0.7724	0.31	0.5853	1.2073	2.2783	4.0139	3.2288	3.0262	0.2112	0.80108	1.29206
Nitrogen Oxide	TM8	9	16	29	76	43	4	0.034	0.4387	1.008	0.885	1.1507	1.4765	2.5411		0.7804	0.312	0.5891	1.2141	2.2911	4.0364	3.2469	3.0432	0.2137	1.4832	2.39226
Nitrogen Oxide	TM8	9	17	29	78	43	5	0.0333	0.4291	0.9974	0.8763	1.1378	1.4588	2.5126		0.7644	0.308	0.5814	1.2006	2.2655	3.9913	3.2107	3.0091	0.2086	0.87548	1.41206
Nitrogen Oxide	TM8	9	18	28	81	43	4	0.0336	0.4319	1.0057	0.8839	1.149	1.4741	2.5373		0.778	0.3114	0.588	1.2123	2.2878	4.0305	3.2421	3.0387	0.213	0.99688	1.60786
Nitrogen Oxide	TM8	9	19	27	84	43	5	0.0338	0.4353	1.0146	0.8919	1.1609	1.4905	2.5636		0.7925	0.315	0.5951	1.2249	2.3115	4.0722	3.2757	3.0702	0.2176	0.81264	1.31071
Nitrogen Oxide	TM8	9	20	27	86	43	3	0.0332	0.4272	1.0053	0.8842	1.1495	1.4748	2.5384		0.7783	0.3114	0.5883	1.2128	2.2888	4.0323	3.2436	3.0401	0.2132	0.48857	0.78801
Nitrogen Oxide	TM8	9	21	27	87	43	0	0.0329	0.4231	1.0007	0.8803	1.1438	1.467	2.5258		0.7712	0.3097	0.5849	1.2068	2.2774	4.0122	3.2273	3.025	0.2109	0	0
Nitrogen Oxide	TM8	9	22	27	89	43	1	0.0322	0.4148	0.9914	0.8727	1.1324	1.4513	2.5007		0.7571	0.3062	0.5781	1.1948	2.2547	3.9722	3.1953	2.9948	0.2063	0.0322	0.05194
Nitrogen Oxide	TM8	9	23	27	89	43	0	0.0322	0.4148	0.9914	0.8727	1.1324	1.4513	2.5007		0.7571	0.3062	0.5781	1.1948	2.2547	3.9722	3.1953	2.9948	0.2063	0	0
Nitrogen Oxide	TM8	9	24	26	89	43	0	0.0337	0.4332	1.0153	0.8931	1.1627	1.4929	2.5676		0.7944	0.3156	0.5961	1.2268	2.315	4.0785	3.2808	3.0749	0.2183	0	0
Nitrogen Oxide	TM8	10	1	24	74	43	0	0.0402	0.5195	1.1168	0.9788	1.2897	1.6676	2.848		0.9512	0.3553	0.6718	1.3607	2.5678	4.5239	3.6391	3.4107	0.2686	0	0
Nitrogen Oxide	TM8	10	2	23	74	43	0	0.0413	0.5336	1.134	0.9933	1.3112	1.6982	2.8954		0.9828	0.3623	0.6854	1.3834	2.6106	4.5993	3.6997	3.4676	0.2792	0	0
Nitrogen Oxide	TM8	10	3	23	74	43	0	0.0413	0.5336	1.134	0.9933	1.3112	1.6982	2.8954		0.9828	0.3623	0.6854	1.3834	2.6106	4.5993	3.6997	3.4676	0.2792	0	0
Nitrogen Oxide	TM8	10	4	23	75	43	0	0.0411	0.5306	1.1305	0.9904	1.3067	1.6922	2.8856		0.9772	0.3609	0.6827	1.3787	2.6018	4.5838	3.6872	3.4559	0.2775	0	0
Nitrogen Oxide	TM8	10	5	23	74	43	0	0.0413	0.5336	1.134	0.9933	1.3112	1.6982	2.8954		0.9828	0.3623	0.6854	1.3834	2.6106	4.5993	3.6997	3.4676	0.2792	0	0
Nitrogen Oxide	TM8	10	6	23	75	43	0	0.0411	0.5306	1.1305	0.9904	1.3067	1.6922	2.8856		0.9772	0.3609	0.6827	1.3787	2.6018	4.5838	3.6872	3.4559	0.2775	0	0
Nitrogen Oxide	TM8	10	7	23	75	43	0	0.0411	0.5306	1.1305	0.9904	1.3067	1.6922	2.8856		0.9772	0.3609	0.6827	1.3787	2.6018	4.5838	3.6872	3.4559	0.2775	0	0
Nitrogen Oxide	TM8	10	8	23	72	43	2	0.0417	0.5398	1.1412	0.9993	1.32	1.7105	2.915		0.9938	0.3651	0.6907	1.3927	2.6283	4.6305	3.7248	3.491	0.2828	2.31275	3.73024
Nitrogen Oxide	TM8	10	9	24	69	43	11	0.0414	0.5361	1.1359	0.9947	1.3133	1.7001	2.9002		0.9805	0.3626	0.6858	1.3856	2.6149	4.6068	3.7058	3.4733	0.278	1.37046	2.21043
Nitrogen Oxide	TM8	10	10	25	64	43	12	0.0419	0.5417	1.1399	0.9974	1.3171	1.7056	2.9091		0.9858	0.3635	0.6884	1.39	2.6229	4.624	3.7217	3.4839	0.2797	1.76929	2.86278
Nitrogen Oxide	TM8	10	11	26	61	43	5	0.0419	0.5421	1.137	0.9944	1.3128	1.6993	2.899		0.9805	0.3619	0.6856	1.3851	2.6138	4.6049	3.7042	3.4717	0.278	0.92388	1.49013
Nitrogen Oxide	TM8	10	12	27	60	43	5	0.0414	0.5355	1.1257	0.9842	1.2977	1.6786	2.8657		0.9622	0.3571	0.6768	1.3692	2.5838	4.5521	3.6617	3.4319	0.2721	1.35996	2.19348
Nitrogen Oxide	TM8	10	13	27	59	43	4	0.0417	0.5394	1.1302	0.988	1.3034	1.6864	2.8782		0.9692	0.3588	0.6801	1.3752	2.5951	4.5721	3.6778	3.4471	0.2743	1.13618	1.83254
Nitrogen Oxide	TM8	10	14	27	59	43	5	0.0417	0.5394	1.1302	0.988	1.3034	1.6864	2.8782		0.9692	0.3588	0.6801	1.3752	2.5951	4.5721	3.6778	3.4471	0.2743	1.01682	1.64003
Nitrogen Oxide	TM8	10	15	27	60	43	5	0.0414	0.5355	1.1257	0.9842	1.2977	1.6786	2.8657		0.9622	0.3571	0.6768	1.3692	2.5838	4.5521	3.6617	3.4319	0.2721	0.91314	1.47281
Nitrogen Oxide	TM8	10	16	27	62	43	4	0.0408	0.5273	1.1164	0.9764	1.2863	1.6629	2.8405		0.9481	0.3536	0.6699	1.3572	2.5611	4.5121	3.6296	3.4018	0.2675	1.6734	2.69903
Nitrogen Oxide	TM8	10	17	26	65	43	5	0.0408	0.5265	1.1197	0.9799	1.2913	1.6698	2.8516		0.9539	0.3552	0.6728	1.3625	2.5711	4.5297	3.6438	3.4151	0.2694	1.00532	1.62148
Nitrogen Oxide	TM8	10	18	25	67	43	4	0.0411	0.531	1.1277	0.9873	1.3023	1.6848	2.8757		0.9671	0.3589	0.6793	1.3741	2.5928	4.5681	3.6746	3.444	0.2737	1.1346	1.83
Nitrogen Oxide	TM8	10	19	25	69	43	5	0.0405	0.5238	1.1196	0.9805	1.2922	1.671	2.8535		0.9546	0.3558	0.6733	1.3634	2.5728	4.5327	3.6462	3.4173	0.2697	0.90852	1.46535
Nitrogen Oxide	TM8	10	20	25	71	43	3	0.04	0.5166	1.1114	0.9737	1.2822	1.6571	2.8313		0.9421	0.3527	0.6673	1.3528	2.5528	4.4974	3.6178	3.3908	0.2657	0.556	0.89677
Nitrogen Oxide	TM8	10	21	25	71	43	0	0.041	0.5295	1.1282	0.9884	1.3039	1.6871	2.8793		0.9687	0.3597	0.6802	1.3757	2.596	4.5737	3.6792	3.4483	0.2743	0	0
Nitrogen Oxide	TM8	10	22	24	71	43	1	0.041	0.5295	1.1282	0.9884	1.3039	1.6871	2.8793		0.9687	0.3597	0.6802	1.3757	2.596	4.5737	3.6792	3.4483	0.2743	0.041	0.06613
Nitrogen Oxide	TM8	10	23	24	72	43	0	0.0407	0.5262	1.1244	0.9852	1.2992	1.6806	2.8688		0.9628	0.3582	0.6774	1.3708	2.5866	4.5571	3.6657	3.4358	0.2724	0	0
Nitrogen Oxide	TM8	10	24	24	72	43	0	0.0407	0.5262	1.1244	0.9852	1.2992	1.6806	2.8688		0.9628	0.3582	0.6774	1.3708	2.5866	4.5571	3.6657	3.4358	0.2724	0	0
Nitrogen Oxide	TM8	11	1	21	75	43	0	0.0432	0.5582	1.1626	1.0174	1.3468	1.75	2.9742		1.0393	0.3745	0.7085	1.421	2.6817	4.7244	3.8004	3.5619	0.2987	0	0
Nitrogen Oxide	TM8	11	2	21	74	43	0	0.0433	0.5608	1.1658	1.0201	1.3508	1.7555	2.9828		1.0442	0.3757	0.7108	1.4252	2.6894	4.7381	3.8114	3.5722	0.3002	0	0
Nitrogen Oxide	TM8	11	3	21	74	43	0	0.0433	0.5608	1.1658	1.0201	1.3508	1.7555	2.9828		0.1442	0.3757	0.7108	1.4252	2.6894	4.7381	3.8114	3.5722	0.3002	0	0
Nitrogen Oxide	TM8	11	4	21	74	43	0	0.0433	0.5608	1.1658	1.0201	1.3508	1.7555	2.9828		0.1442	0.3757	0.7108	1.4252	2.6894	4.7381	3.8114	3.5722	0.3002	0	0
Nitrogen Oxide	TM8	11	5	21	73	43	0	0.0433	0.5608	1.1658	1.0201	1.3508	1.7555	2.9828		0.1442	0.3757	0.7108	1.4252	2.6894	4.7381	3.8114	3.5722	0.3002	0	0
Nitrogen Oxide	TM8	11	6	21	73	43	0	0.0435	0.5634	1.1689	1.0227	1.3547	1.7608	2.9914		0.1492	0.3769	0.7131	1.4293	2.6972	4.7518	3.8224	3.5826	0.3018	0	0
Nitrogen Oxide	TM8	11	7	21	73	43	0	0.0435	0.5634	1.1689	1.0227	1.3547	1.7608	2.9914		0.1492	0.3769	0.7131	1.4293	2.6972	4.7518	3.8224	3.5826	0.3018	0	0
Nitrogen Oxide	TM8	11	8	21	70	43	2	0.0441	0.5712	1.1783	1.0307	1.3663	1.7771	3.0173		1.064	0.3805	0.7202	1.4416	2.7205	4.7929	3.8555	3.6135	0.3066	2.39715	3.86637
Nitrogen Oxide	TM8	11	9	22	66	43	11	0.0441	0.5701	1.1771	1.0295	1.3648	1.7735	3.0139		1.0558	0.3795	0.7183	1.44	2.7175	4.7876	3.8511	3.6095	0.3033	1.43225	2.31007
Nitrogen Oxide	TM8	11	10	23	61	43	12	0.0443	0.5733	1.1804	1.0323	1.3689	1.7777	3.0228		1.0547	0.3802	0.7199	1.4444	2.7255	4.8017	3.8626	3.6202	0.3023	1.33518	2.15352
Nitrogen Oxide	TM8	11	11	25	57	43	5	0.0438	0.5663	1.1684	1.0212	1.3526	1.7541	2.9869		1.0295	0.3744	0.7094	1.4272	2.6931	4.7447	3.8167	3.5772	0.2936	0.95284	1.53684
Nitrogen Oxide	TM8	11	12	25	56	43	5	0.044	0.5697	1.1724	1.0246	1.3576	1.761	2.9981		1.0357	0.376	0.7124	1.4324	2.7032	4.7624	3.8309	3.5905	0.2956	1.42676	2.30123
Nitrogen Oxide	TM8	11	13	25	56	43	4	0.044	0.5697	1.1724	1.0246	1.3576	1.761	2.9981		1.0357	0.376	0.7124	1.4324	2.7032	4.7624	3.8309	3.5905	0.2956	1.18466	1.91065
Nitrogen Oxide	TM8	11	14	26	56	43	5	0.0433	0.5605	1.1586	1.0124	1.3398	1.7361	2.9581		1.0137	0.3702	0.7016	1.4134	2.6672	4.6988	3.7798	3.5427	0.2886	1.04692	1.68858
Nitrogen Oxide	TM8	11	15	26	57	43	5	0.0431	0.5568	1.1543	1.0088	1.3342	1.7288	2.9463		1.007	0.3684	0.6984	1.4077	2.6565	4.6801	3.7647	3.5285	0.2864	0.93962	1.51552
Nitrogen Oxide	TM8	11	16	25	58	43	4	0.0435	0.5629	1.1643	1.0179	1.3476	1.7472	2.9758		1.0232	0.3729	0.7064	1.4218	2.6832	4.727	3.8025	3.5639	0.2916	1.75828	2.83593
Nitrogen Oxide	TM8	11	17	24	63	43	5	0.043	0.5559	1.1587	1.0139	1.3418	1.7391	2.9629		1.0156	0.3713	0.7029	1.4156	2.6715	4.7064	3.7859	3.5483	0.2893	1.04716	1.68897
Nitrogen Oxide	TM8	11	18	25	66	43	4	0.0432	0.5582	1.1626	1.0173	1.3467	1.7471	2.9738		1.027	0.3734	0.7066	1.4209	2.6814	4.7238	3.7999	3.5615	0.2935	1.175	1.89516
Nitrogen Oxide	TM8	11	19	23	70	43	3	0.0422	0.5459	1.1483	1.0053	1.329	1.7227	2.9346		1.0049	0.3678	0.696	1.4022	2.646	4.6616	3.7498	3.5145	0.2863	0.93562	1.50906
Nitrogen Oxide	TM8	11	20	23	70	43	3	0.0422	0.5458	1.1481	1.0184	1.3482	1.7305	2.9772		1.0049	0.3743	0.7083	1.4224	2.6843	4.7291	3.8033	3.5654	0.2961	0.53886	0.94935
Nitrogen Oxide	TM8	11	21	22	72	43	0	0.0428	0.5532	1.1571	1.0127	1.3399	1.739	2.9587		1.0244	0.3717	0.7033	1.4136	2.6677	4.6999	3.7806	3.5434	0.2933	0	0
Nitrogen Oxide	TM8	11	22	22	74	43	1	0.0423	0.5475	1.1503	1.0071	1.3315	1.7276	2.9403		1.014	0.3692	0.6984	1.4049	2.6511	4.6706	3.7571	3.5214	0.2898	0.0423	0.06823
Nitrogen Oxide	TM8	11	23	22	74	43	0	0.0423	0.5475	1.1503	1.0071	1.3315	1.7276	2.9403		1.014	0.3692	0.6984	1.4049	2.6511	4.6706	3.7571	3.5214	0.2898	0	0
Nitrogen Oxide	TM8	11	24	21	74	43	0	0.0433	0.5608	1.1658	1.0201	1.3508	1.7555	2.9828		1.0442	0.3757	0.7108	1.4252	2.6894	4.7381	3.8114	3.5722	0.3002	0	0
Nitrogen Oxide	TM8	12	1	16	68	43	0	0.0516	0.6701	1.2503	1.0963	1.4486	1.8985	3.1988		1.2032	0.4106	0.7748	1.5283	2.8841	5.0811	4.0873	3.8309	0.3551	0	0
Nitrogen Oxide	TM8	12	2	16	69	43	0	0.0514	0.6679	1.248	1.0844	1.4458	1.8946	3.1925		1.1995	0.4097	0.7731	1.5254	2.8785	5.0712	4.0794	3.8234	0.3539	0	0
Nitrogen Oxide	TM8	12	3	16	69	43	0	0.0514	0.6679	1.248	1.0844	1.4458	1.8946	3.1925		1.1995	0.4097	0.7731	1.5254	2.8785	5.0712	4.0794	3.8234	0.3539	0	0
Nitrogen Oxide	TM8	12	4	15	70	43	0	0.0528	0.6868	1.2576	1.0911	1.4556	1.9099	3.2144		1.2196	0.4139	0.7802	1.5358	2.8982	5.106	4.1073	3.8495	0.3613	0	0
Nitrogen Oxide	TM8	12	5	15	70	43	0	0.0528	0.6868	1.2576	1.0911	1.4556	1.9099	3.2144		1.2196	0.4139	0.7802	1.5358	2.8982	5.106	4.1073	3.8495	0.3613	0	0
Nitrogen Oxide	TM8	12	6	15	70	43	0	0.0528	0.6868	1.2576	1.0911	1.4556	1.9099	3.2144		1.2196	0.4139	0.7802	1.5358	2.8982	5.106	4.1073	3.8495	0.3613	0	0
Nitrogen Oxide	TM8	12	7	15	70	43	0	0.0528	0.6868	1.2576	1.0911	1.4556	1.9099	3.2144		1.2196	0.4139	0.7802	1.5358	2.8982	5.106	4.1073	3.8495	0.3613	0	0
Nitrogen Oxide	TM8	12	8	15	69	43	2	0.0529	0.689	1.2598	1.0929	1.4582	1.9136	3.2201		1.2231	0.4148	0.7818	1.5386	2.9034	5.1151	4.1147	3.8563	0.3623	2.56685	4.14008
Nitrogen Oxide	TM8	12	9	16	65	43	11	0.0521	0.6769	1.2572	1.092	1.4569	1.9102	3.2174		1.2141	0.4133	0.7799	1.5372	2.9009	5.1107	4.1111	3.8531	0.3587	1.54973	2.49956
Nitrogen Oxide	TM8	12	10	17	62	43	12	0.0511	0.6635	1.2529	1.0895	1.4535	1.9036	3.2095		1.2022	0.4111	0.7767	1.5335	2.8938	5.0983	4.1011	3.8438	0.3541	1.43588	2.31593
Nitrogen Oxide	TM8	12	11	18	58	43	5	0.0504	0.6536	1.2516	1.0895	1.4535	1.9022	3.2098		1.1952	0.4103	0.7756	1.5336	2.8941	5.0987	4.1014	3.8443	0.3511	1.03136	1.66348
Nitrogen Oxide	TM8	12	12	19	56	43	5	0.0491	0.6371	1.2427	1.0833	1.4443	1.8877	3.1894		1.1763	0.4065	0.769	1.5238	2.8757	5.0663	4.0754	3.8196	0.3443	1.5302	2.46806
Nitrogen Oxide	TM8	12	13	19	56	43	4	0.0493	0.6396	1.2455	1.0856	1.4477	1.8925	3.197		1.1807	0.4075	0.7711	1.5275	2.8825	5.0783	4.085	3.8287	0.3457	1.26995	2.04831
Nitrogen Oxide	TM8	12	14	19	56	43	5	0.0493	0.6396	1.2455	1.0856	1.4477	1.8925	3.197		1.1807	0.4075	0.7711	1.5275	2.8825	5.0783	4.085	3.8287	0.3457	1.14388	1.84497
Nitrogen Oxide	TM8	12	15	19	56	43	5	0.0493	0.6396	1.2455	1.0856	1.4477	1.8925	3.197		1.1807	0.4075	0.7711	1.5275	2.8825	5.0783	4.085	3.8287	0.3457	1.02582	1.65455
Nitrogen Oxide	TM8	12	16	19	57	43	4	0.0491	0.6371	1.2427	1.0833	1.4443	1.8877	3.1894		1.1763	0.4065	0.769	1.5238	2.8757	5.0663	4.0754	3.8196	0.3443	1.90048	3.06528
Nitrogen Oxide	TM8	12	17	18	60	43	5	0.05	0.6485	1.2464	1.0853	1.4471	1.8932	3.1958		1.187	0.4082	0.7718	1.5268	2.8813	5.0762	4.0833	3.8271	0.3484	1.14626	1.84881
Nitrogen Oxide	TM8	12	18	18	64	43	4	0.0492	0.6385	1.2438	1.0766	1.4342	1.8755	3.1673		1.1704	0.4042	0.764	1.5213	2.8557	5.0313	4.0471	3.7931	0.343	1.259	2.03065
Nitrogen Oxide	TM8	12	19	17	65	43	5	0.0506	0.6564	1.2456	1.0835	1.4444	1.8912	3.1896		1.1906	0.4083	0.7713	1.524	2.8759	5.0667	4.0757	3.8199	0.3503	1.02584	1.65458
Nitrogen Oxide	TM8	12	20	17	66	43	3	0.0504	0.654	1.243	1.0814	1.4414	1.887	3.183		1.1867	0.4074	0.7694	1.5209	2.87	5.0561	4.0672	3.812	0.349	0.64913	1.04699
Nitrogen Oxide	TM8	12	21	17	66	43	0	0.0504	0.654	1.243	1.0814	1.4414	1.887	3.183		1.1867	0.4074	0.7694	1.5209	2.87	5.0561	4.0672	3.812	0.349	0	0
Nitrogen Oxide	TM8	12	22	16	66	43	1	0.0519	0.6747	1.2549	1.0901	1.4541	1.9063	3.2112		1.2105	0.4124	0.7782	1.5343	2.8953	5.1008	4.1032	3.8457	0.3575	0.0519	0.08371
Nitrogen Oxide	TM8	12	23	16	66	43	0	0.0519	0.6747	1.2549	1.0901	1.4541	1.9063	3.2112		1.2105	0.4124	0.7782	1.5343	2.8953	5.1008	4.1032	3.8457	0.3575	0	0
Nitrogen Oxide	TM8	12	24	16	67	43	0	0.0517	0.6724	1.2526	1.0882	1.4513	1.9024	3.205		1.2067	0.4116	0.7765	1.5313	2.8897	5.091	4.0952	3.8382	0.3563	0	0
Nitrogen Oxide	TM9	1	1	17	76	38	0	0.0512	0.6633	1.2919	1.1338	1.4972	1.9744	3.3816		1.2244	0.4291	0.8112	1.6139	3.0145	5.3857	4.3058	4.1099	0.3439	0	0
Nitrogen Oxide	TM9	1	2	17	77	38	0	0.051	0.6608	1.2893	1.1316	1.494	1.9699	3.3743		1.2203	0.428	0.8093	1.6104	3.0081	5.3743	4.2966	4.1011	0.3426	0	0
Nitrogen Oxide	TM9	1	3	17	77	38	0	0.051	0.6608	1.2893	1.1316	1.494	1.9699	3.3743		1.2203	0.428	0.8093	1.6104	3.0081	5.3743	4.2966	4.1011	0.3426	0	0
Nitrogen Oxide	TM9	1	4	17	77	38	0	0.051	0.6608	1.2893	1.1316	1.494	1.9699	3.3743		1.2203	0.428	0.8093	1.6104

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:

(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.

(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Oxide	TM9	3	13	23	77	38	28	0.0428	0.5519	1.1915	1.0516	1.3768	1.7972	3.1096		1.0312	0.3864	0.7317	1.4841	2.772	4.9526	3.9596	3.7794	0.2801	1.61714	2.60829
Nitrogen Oxide	TM9	3	14	23	77	38	29	0.0428	0.5519	1.1915	1.0516	1.3768	1.7972	3.1096		1.0312	0.3864	0.7317	1.4841	2.772	4.9526	3.9596	3.7794	0.2801	1.58041	2.54905
Nitrogen Oxide	TM9	3	15	23	76	38	36	0.0431	0.5551	1.1953	1.0548	1.3815	1.8039	3.1203		1.0371	0.3879	0.7346	1.4891	2.7815	4.9695	3.9731	3.7922	0.2819	1.48367	2.39301
Nitrogen Oxide	TM9	3	16	23	77	38	28	0.0428	0.5519	1.1915	1.0516	1.3768	1.7972	3.1096		1.0312	0.3864	0.7317	1.4841	2.772	4.9526	3.9596	3.7794	0.2801	1.74811	2.82001
Nitrogen Oxide	TM9	3	17	22	79	38	27	0.0435	0.5612	1.2025	1.0609	1.3904	1.8176	3.1403		1.0543	0.3912	0.741	1.4988	2.7995	5.0016	3.9987	3.8167	0.2879	1.48314	2.39216
Nitrogen Oxide	TM9	3	18	22	82	38	35	0.0429	0.5522	1.1918	1.0519	1.3772	1.7992	3.1104		1.0376	0.3871	0.7328	1.4844	2.7728	4.9539	3.9605	3.7803	0.2826	1.52024	2.452
Nitrogen Oxide	TM9	3	19	21	84	38	36	0.0436	0.5626	1.2034	1.0617	1.3915	1.8205	3.1428		1.0618	0.3921	0.7425	1.4999	2.8016	5.0054	4.0018	3.8196	0.2907	1.49607	2.41302
Nitrogen Oxide	TM9	3	20	21	85	38	17	0.0434	0.5598	1.2	1.0588	1.3873	1.8147	3.1334		1.0566	0.3909	0.74	1.4954	2.7933	4.9905	3.9898	3.8082	0.2891	1.20605	1.94524
Nitrogen Oxide	TM9	3	21	21	86	38	3	0.0433	0.557	1.1968	1.056	1.3831	1.8089	3.124		1.0513	0.3896	0.7374	1.4909	2.7849	4.9756	3.9779	3.7969	0.2875	2.0971	3.38242
Nitrogen Oxide	TM9	3	22	21	86	38	1	0.0433	0.557	1.1968	1.056	1.3831	1.8089	3.124		1.0513	0.3896	0.7374	1.4909	2.7849	4.9756	3.9779	3.7969	0.2875	0.04133	0.06984
Nitrogen Oxide	TM9	3	23	21	85	38	0	0.0434	0.5598	1.2	1.0588	1.3873	1.8147	3.1334		1.0566	0.3909	0.74	1.4954	2.7933	4.9905	3.9898	3.8082	0.2891	0	0
Nitrogen Oxide	TM9	3	24	21	86	38	0	0.0433	0.557	1.1968	1.056	1.3831	1.8089	3.124		1.0513	0.3896	0.7374	1.4909	2.7849	4.9756	3.9779	3.7969	0.2875	0	0
Nitrogen Oxide	TM9	4	1	20	83	38	0	0.0451	0.5809	1.224	1.0793	1.4173	1.8579	3.2009		1.1006	0.401	0.7591	1.5276	2.8535	5.0981	4.0758	3.8903	0.3034	0	0
Nitrogen Oxide	TM9	4	2	20	85	38	0	0.0447	0.5758	1.2179	1.0739	1.4095	1.847	3.1834		1.0909	0.3985	0.7544	1.5193	2.8379	5.0701	4.0535	3.869	0.3004	0	0
Nitrogen Oxide	TM9	4	3	20	84	38	0	0.0449	0.5783	1.2209	1.0766	1.4133	1.8524	3.1922		1.0959	0.3998	0.7568	1.5235	2.8456	5.0841	4.0646	3.8797	0.3019	0	0
Nitrogen Oxide	TM9	4	4	20	85	38	0	0.0447	0.5758	1.2179	1.0739	1.4095	1.847	3.1834		1.0909	0.3985	0.7544	1.5193	2.8379	5.0701	4.0535	3.869	0.3004	0	0
Nitrogen Oxide	TM9	4	5	19	84	38	0	0.0462	0.5957	1.2378	1.0906	1.434	1.8828	3.2387		1.1288	0.407	0.7703	1.5457	2.8871	5.1583	4.124	3.9363	0.3127	0	0
Nitrogen Oxide	TM9	4	6	19	84	38	0	0.0462	0.5957	1.2378	1.0906	1.434	1.8828	3.2387		1.1288	0.407	0.7703	1.5457	2.8871	5.1583	4.124	3.9363	0.3127	0	0
Nitrogen Oxide	TM9	4	7	20	84	38	2	0.0449	0.5783	1.2209	1.0766	1.4133	1.8524	3.1922		1.0959	0.3998	0.7568	1.5235	2.8456	5.0841	4.0646	3.8797	0.3019	0.3116	0.50258
Nitrogen Oxide	TM9	4	8	21	84	38	23	0.0447	0.5764	1.2199	1.0758	1.4122	1.8494	3.1896		1.0881	0.3987	0.7551	1.5222	2.8433	5.0799	4.0613	3.8764	0.2989	1.77738	2.86675
Nitrogen Oxide	TM9	4	9	22	73	38	58	0.0448	0.5779	1.2236	1.079	1.4169	1.8543	3.2003		1.0877	0.3966	0.7557	1.5274	2.8529	5.0969	4.0749	3.8895	0.2981	1.6497	2.66081
Nitrogen Oxide	TM9	4	10	23	69	38	67	0.0448	0.5777	1.2218	1.0773	1.4144	1.8496	3.1947		1.0783	0.3983	0.7546	1.5247	2.8479	5.0882	4.0679	3.8827	0.2946	1.5773	2.54403
Nitrogen Oxide	TM9	4	11	23	68	38	36	0.0451	0.581	1.2255	1.0805	1.4191	1.8562	3.2054		1.0842	0.3997	0.7575	1.5298	2.8574	5.1051	4.0814	3.8957	0.2964	1.52652	2.46213
Nitrogen Oxide	TM9	4	12	24	66	38	29	0.0446	0.5747	1.2169	1.073	1.4082	1.8398	3.1807		1.0651	0.3959	0.75	1.518	2.8355	5.0658	4.0501	3.8657	0.29	1.68593	2.71924
Nitrogen Oxide	TM9	4	13	24	65	38	28	0.0449	0.5781	1.2209	1.0765	1.4132	1.8467	3.192		1.0713	0.3974	0.7533	1.5234	2.8455	5.0838	4.0644	3.8795	0.2919	1.66161	2.68002
Nitrogen Oxide	TM9	4	14	24	66	38	29	0.0446	0.5747	1.2169	1.073	1.4082	1.8398	3.1807		1.0651	0.3959	0.75	1.518	2.8355	5.0658	4.0501	3.8657	0.29	1.61821	2.61002
Nitrogen Oxide	TM9	4	15	24	66	38	36	0.0446	0.5747	1.2169	1.073	1.4082	1.8398	3.1807		1.0651	0.3959	0.75	1.518	2.8355	5.0658	4.0501	3.8657	0.29	1.54162	2.48762
Nitrogen Oxide	TM9	4	16	24	67	38	28	0.0443	0.5711	1.2128	1.0697	1.4033	1.8328	3.1693		1.0588	0.3943	0.747	1.5126	2.8253	5.0477	4.0356	3.8519	0.288	1.73796	2.80316
Nitrogen Oxide	TM9	4	17	23	69	38	27	0.0448	0.5777	1.2218	1.0773	1.4144	1.8496	3.1947		1.0783	0.3983	0.7546	1.5247	2.8479	5.0882	4.0679	3.8827	0.2946	1.5098	2.43516
Nitrogen Oxide	TM9	4	18	23	74	38	35	0.0447	0.5761	1.2202	1.076	1.4125	1.8483	3.1902		1.0821	0.3982	0.7544	1.5226	2.8439	5.081	4.0622	3.8773	0.2964	1.56148	2.51852
Nitrogen Oxide	TM9	4	19	22	76	38	36	0.0442	0.5703	1.2131	1.0699	1.4036	1.8361	3.1703		1.071	0.3955	0.749	1.513	2.8262	5.0493	4.0368	3.853	0.293	1.50936	2.43445
Nitrogen Oxide	TM9	4	20	21	76	38	17	0.0447	0.5764	1.2199	1.0758	1.4122	1.8494	3.1896		1.0881	0.3987	0.7551	1.5222	2.8433	5.0799	4.0613	3.8764	0.2989	1.98239	3.19744
Nitrogen Oxide	TM9	4	21	21	80	38	3	0.0445	0.5737	1.2166	1.0729	1.408	1.8436	3.1802		1.0828	0.3974	0.7526	1.5178	2.8349	5.065	4.0494	3.8651	0.2973	2.13497	3.44349
Nitrogen Oxide	TM9	4	22	21	81	38	1	0.0443	0.5709	1.2133	1.0701	1.4038	1.8379	3.1708		1.0776	0.3961	0.75	1.5133	2.8267	5.0501	4.0375	3.8537	0.2955	0.0443	0.07145
Nitrogen Oxide	TM9	4	23	21	82	38	0	0.0441	0.5682	1.21	1.0673	1.3998	1.832	3.1615		1.0723	0.3948	0.7475	1.5089	2.8183	5.0352	4.0256	3.8423	0.2939	0	0
Nitrogen Oxide	TM9	4	24	20	82	38	0	0.0452	0.5834	1.2271	1.0819	1.4211	1.8632	3.2097		1.1058	0.4022	0.7616	1.5319	2.8613	5.112	4.087	3.901	0.3049	0	0
Nitrogen Oxide	TM9	5	1	26	91	38	0	0.0349	0.4478	1.0681	0.9463	1.222	1.5814	2.7601		0.8341	0.3371	0.6373	1.3172	2.4605	4.3959	3.5145	3.5545	0.2189	0	0
Nitrogen Oxide	TM9	5	2	25	92	38	0	0.0361	0.4637	1.0884	0.964	1.2478	1.6172	2.8185		0.8659	0.3454	0.6529	1.3452	2.5125	4.4889	3.5888	3.6725	0.2288	0	0
Nitrogen Oxide	TM9	5	3	25	92	38	0	0.0361	0.4637	1.0884	0.964	1.2478	1.6172	2.8185		0.8659	0.3454	0.6529	1.3452	2.5125	4.4889	3.5888	3.6725	0.2288	0	0
Nitrogen Oxide	TM9	5	4	25	91	38	0	0.0364	0.4675	1.0927	0.9676	1.2532	1.6247	2.8306		0.8726	0.3471	0.6561	1.3509	2.5233	4.5081	3.6042	3.6901	0.2308	0	0
Nitrogen Oxide	TM9	5	5	25	92	38	0	0.0361	0.4637	1.0884	0.964	1.2478	1.6172	2.8185		0.8659	0.3454	0.6529	1.3452	2.5125	4.4889	3.5888	3.6725	0.2288	0	0
Nitrogen Oxide	TM9	5	6	25	93	38	0	0.0357	0.4599	1.084	0.9603	1.2426	1.6098	2.8065		0.8593	0.3437	0.6496	1.3394	2.5018	4.4697	3.5735	3.6108	0.2267	0	0
Nitrogen Oxide	TM9	5	7	26	91	38	2	0.0349	0.4478	1.0681	0.9463	1.222	1.5814	2.7601		0.8341	0.3371	0.6373	1.3172	2.4605	4.3959	3.5145	3.5545	0.2189	0.24135	0.38927
Nitrogen Oxide	TM9	5	8	27	85	38	23	0.0354	0.4649	1.0716	0.9487	1.2253	1.5861	2.7678		0.8387	0.3382	0.6394	1.3217	2.4674	4.4082	3.5243	3.5639	0.2203	1.52838	2.46513
Nitrogen Oxide	TM9	5	9	28	80	38	58	0.0358	0.4591	1.0723	0.9486	1.2253	1.5859	2.7675		0.8388	0.3381	0.6394	1.3208	2.4671	4.4078	3.5239	3.5636	0.2203	1.41023	2.27457
Nitrogen Oxide	TM9	5	10	28	78	38	67	0.0364	0.4686	1.0827	0.9573	1.2382	1.6037	2.7965		0.8548	0.3421	0.6472	1.3346	2.493	4.454	3.5609	3.5988	0.2252	1.36622	2.20358
Nitrogen Oxide	TM9	5	11	29	77	38	36	0.0356	0.4565	1.0639	0.9408	1.2138	1.57	2.7416		0.8248	0.3345	0.6325	1.3085	2.444	4.3665	3.4909	3.5321	0.216	1.29492	2.08858
Nitrogen Oxide	TM9	5	12	29	75	38	29	0.0363	0.4667	1.075	0.9501	1.2275	1.5889	2.7725		0.8419	0.3388	0.6407	1.3232	2.4715	4.4156	3.5302	3.5696	0.2213	1.46032	2.35544
Nitrogen Oxide	TM9	5	13	29	74	38	28	0.0367	0.4718	1.1805	0.9547	1.2343	1.5964	2.7879		0.8501	0.3411	0.6448	1.3306	2.4852	4.4402	3.5498	3.5893	0.2238	1.44366	2.32849
Nitrogen Oxide	TM9	5	14	29	75	38	29	0.0363	0.4667	1.075	0.9501	1.2275	1.5889	2.7725		0.8419	0.3388	0.6407	1.3232	2.4715	4.4156	3.5302	3.5696	0.2213	1.40184	2.26103
Nitrogen Oxide	TM9	5	15	29	75	38	36	0.0363	0.4667	1.075	0.9501	1.2275	1.5889	2.7725		0.8419	0.3388	0.6407	1.3232	2.4715	4.4156	3.5302	3.5696	0.2213	1.31053	2.11376
Nitrogen Oxide	TM9	5	16	29	77	38	28	0.0356	0.4565	1.0639	0.9408	1.2138	1.57	2.7416		0.8248	0.3345	0.6325	1.3085	2.444	4.3665	3.4909	3.5321	0.216	1.49336	2.40865
Nitrogen Oxide	TM9	5	17	28	78	38	27	0.0364	0.4686	1.0827	0.9573	1.2382	1.6037	2.7965		0.8548	0.3421	0.6472	1.3346	2.493	4.454	3.5609	3.5988	0.2252	1.31159	2.11546
Nitrogen Oxide	TM9	5	18	28	81	38	35	0.0354	0.4546	1.0671	0.9442	1.2189	1.5769	2.7533		0.8308	0.3361	0.6355	1.3139	2.4541	4.3846	3.5054	3.5459	0.2178	1.33599	2.15482
Nitrogen Oxide	TM9	5	19	28	81	38	36	0.0357	0.4598	1.0744	0.9508	1.2315	1.5943	2.7815		0.8462	0.34	0.643	1.3272	2.4796	4.423	3.5417	3.5805	0.2226	1.31353	2.11859
Nitrogen Oxide	TM9	5	20	27	87	38	17	0.0347	0.4452	1.0618	0.9405	1.2134	1.5693	2.7405		0.8236	0.3344	0.632	1.3079	2.4431	4.3648	3.4896	3.5308	0.2156	1.04518	1.68577
Nitrogen Oxide	TM9	5	21	27	88	38	3	0.0343	0.4409	1.0569	0.9363	1.2073	1.5609	2.7269		0.8161	0.3325	0.6284	1.3014	2.4309	4.343	3.4722	3.5142	0.2134	1.82937	2.95059
Nitrogen Oxide	TM9	5	22	26	89	38	1	0.0355	0.4559	1.0772	0.9541	1.2334	1.5971	2.7857		0.8482	0.3407	0.6442	1.3295	2.4834	4.4368	3.5473	3.5858	0.2232	0.0355	0.05726
Nitrogen Oxide	TM9	5	23	26	89	38	0	0.0355	0.4559	1.0772	0.9541	1.2334	1.5971	2.7857		0.8482	0.3407	0.6442	1.3295	2.4834	4.4368	3.5472	3.5858	0.2232	0	0
Nitrogen Oxide	TM9	5	24	26	90	38	0	0.0352	0.4517	1.0727	0.9502	1.2277	1.5892	2.7729		0.8412	0.3389	0.6407	1.3234	2.472	4.4164	3.5308	3.5702	0.2211	0	0
Nitrogen Oxide	TM9	6	1	28	88	38	0	0.0329	0.4226	1.0308	0.9136	1.1779	1.5145	2.6514		0.7747	0.3232	0.6091	1.2634	2.3936	4.2728	3.4186	3.2252	0.2006	0	0
Nitrogen Oxide	TM9	6	2	27	89	38	0	0.034	0.4366	1.052	0.9322	1.2013	1.5525	2.7132		0.8086	0.3306	0.6247	1.2949	2.4187	4.3213	3.4548	3.5975	0.211	0	0
Nitrogen Oxide	TM9	6	3	27	89	38	0	0.034	0.4366	1.052	0.9322	1.2013	1.5525	2.7132		0.8086	0.3306	0.6247	1.2949	2.4187	4.3213	3.4548	3.5975	0.211	0	0
Nitrogen Oxide	TM9	6	4	27	88	38	0	0.0343	0.4409	1.0569	0.9363	1.2073	1.5609	2.7269		0.8161	0.3325	0.6284	1.3014	2.4309	4.343	3.4722	3.5142	0.2134	0	0
Nitrogen Oxide	TM9	6	5	27	89	38	0	0.034	0.4366	1.052	0.9322	1.2013	1.5525	2.7132		0.8086	0.3306	0.6247	1.2949	2.4187	4.3213	3.4548	3.5975	0.211	0	0
Nitrogen Oxide	TM9	6	6	27	89	38	0	0.0337	0.4322	1.0471	0.9281	1.1952	1.5442	2.6996		0.801	0.3287	0.6211	1.2884	2.4066	4.2995	3.4374	3.281	0.2087	0	0
Nitrogen Oxide	TM9	6	7	28	87	38	2	0.0333	0.4272	1.0361	0.918	1.1803	1.5234	2.6659		0.7827	0.324	0.612	1.2723	2.3765	4.2459	3.3946	3.24	0.2031	0.23025	0.37137
Nitrogen Oxide	TM9	6	8	29	82	38	23	0.0336	0.4316	1.0363	0.9176	1.1797	1.5226	2.6646		0.7823	0.3239	0.6117	1.2717	2.3753	4.2437	3.3928	3.2384	0.2029	1.4689	2.3692
Nitrogen Oxide	TM9	6	9	29	79	38	58	0.0347	0.4464	1.0528	0.9315	1.2002	1.5511	2.7108		0.8078	0.3303	0.6242	1.2937	2.4165	4.3174	3.4517	3.2946	0.2108	1.37943	2.22489
Nitrogen Oxide	TM9	6	10	30	76	38	67	0.0346	0.4451	1.0445	0.9238	1.1888	1.5353	2.6851		0.7939	0.327	0.6174	1.2814	2.3936	4.2765	3.4189	3.2633	0.2064	1.30834	2.11023
Nitrogen Oxide	TM9	6	11	30	75	38	36	0.0351	0.4505	1.0504	0.9287	1.1961	1.5433	2.7014		0.803	0.3292	0.6217	1.2893	2.4082	4.3026	3.4398	3.2833	0.2093	1.27552	2.05729
Nitrogen Oxide	TM9	6	12	31	74	38	29	0.0351	0.4505	1.0504	0.9336	1.2033	1.5553	2.7179		0.8119	0.3314	0.6261	1.2971	2.4228	4.3286	3.4607	3.3032	0.212	1.43064	2.30749
Nitrogen Oxide	TM9	6	13	31	73	38	28	0.0346	0.445	1.037	0.9168	1.1784	1.5209	2.6617		0.7812	0.324	0.6111	1.2703	2.3727	4.2392	3.3892	3.2349	0.2025	1.37619	2.21967
Nitrogen Oxide	TM9	6	14	31	72	38	29	0.035	0.4506	1.0432	0.922	1.1862	1.5316	2.679		0.7909	0.3264	0.6157	1.2786	2.3882	4.2668	3.4113	3.256	0.2055	1.35341	2.18291
Nitrogen Oxide	TM9	6	15	30	74	38	36	0.0355	0.456	1.0562	0.9336	1.2033	1.5553	2.7179		0.8119	0.3314	0.6261	1.2971	2.4228	4.3286	3.4607	3.3032	0.212	1.28383	2.0707
Nitrogen Oxide	TM9	6	16	30	74	38	28	0.0355	0.456	1.0562	0.9336	1.2033	1.5553	2.7179		0.8119	0.3314	0.6261	1.2971	2.4228	4.3286	3.4607	3.3032	0.212	1.48047	2.38786
Nitrogen Oxide	TM9	6	17	30	75	38	27	0.0351	0.4505	1.0504	0.9287	1.1961	1.5433	2.7014		0.803	0.3292	0.6217	1.2893	2.4082	4.3026	3.4398	3.2833	0.2093	1.26549	2.04111
Nitrogen Oxide	TM9	6	18	29	79	38	35	0.0347	0.4464	1.0528	0.9315	1.2002	1.5511	2.7108		0.8078	0.3303	0.6242	1.2937	2.4165	4.3174	3.4517	3.2946	0.2108	1.31484	2.12071
Nitrogen Oxide	TM9	6	19	29	81	38	36	0.0339	0.4364	1.0418	0.9223	1.1865	1.5321	2.6799		0.7907	0.3261	0.6159	1.279	2.3891	4.2683	3.4124	3.2572	0.2055	1.26363	2.03812
Nitrogen Oxide	TM9	6	20	28	83	38	17	0.0347	0.4455	1.0568	0.9355	1.206	1.5591	2.7239		0.8148	0.332	0.6277	1.3	2.4283	4.3384	3.4685	3.3106	0.2129	1.03954	1.67667
Nitrogen Oxide	TM9	6	21	28	85	38	3	0.0339	0.4364	1.0464	0.9267	1.1932	1.5413	2.6949		0.7987	0.3281	0.6199	1.2862	2.4024	4.2922	3.4315	3.2754	0.208	1.8079	2.91597
Nitrogen Oxide	TM9	6	22	28	86	38	1	0.0337	0.4318	1.0412	0.9224	1.1868	1.5325	2.6805		0.7907	0.326	0.616	1.2793	2.3894	4.269	3.413	3.2577	0.2056	0.0337	0.05435
Nitrogen Oxide	TM9	6	23	28	87	38	0	0.0333	0.4272	1.0361	0.918	1.1803	1.5234	2.6659		0.7827	0.324	0.612	1.2723	2.3765	4.2459	3.3946	3.24	0.2031	0	0
Nitrogen Oxide	TM9	6	24	28	87	38	0	0.0333	0.4272	1.0361	0.918	1.1803	1.5234	2.6659		0.7827	0.324	0.612	1.2723	2.3765	4.2459	3.3946	3.24	0.2031	0	0
Nitrogen Oxide	TM9	7	1	28	84	38	0	0.0343	0.4409	1.0515	0.9311	1.1996	1.5502	2.7094		0.8068	0.33	0.6238	1.2931	2.4153	4.3152	3.4499	3.293	0.2104	0	0
Nitrogen Oxide	TM9	7	2	28	84	38	0	0.0343	0.4409	1.0515	0.9311	1.1996	1.5502	2.7094		0.8068	0.33	0.6238	1.2931	2.4153	4.3152	3.4499	3.293	0.2104	0	0
Nitrogen Oxide	TM9	7	3	28	86	38	0	0.0337	0.4318	1.0412	0.9224	1.1868	1.5323	2.6805		0.7907	0.326	0.616	1.2793	2.3894	4.269	3.413	3.2577	0.2056	0	0
Nitrogen Oxide	TM9	7	4	28	86	38	0	0.0337	0.4318	1.0412	0.9224	1.1868	1.5323	2.6805		0.7907	0.326	0.616	1.2793	2.3894	4.269	3.413	3.2577	0.2056	0	0
Nitrogen Oxide	TM9	7	5	28	86	38	0	0.0329	0.4226	1.0308	0.9136	1.1739	1.5145	2.6514		0.7747	0.3225	0.6081	1.2654	2.3636	4.2228	3.376	3.2225	0.2006	0	0
Nitrogen Oxide	TM9	7	6	27	88	38	0	0.0343	0.4409	1.0569	0.9363	1.2073	1.5609	2.7269		0.8161	0.3325	0.6284	1.3014	2.4309	4.343	3.4722	3.5142	0.2134	0	0
Nitrogen Oxide	TM9	7	7	28	87	38	2	0.0337	0.4318	1.0412	0.9224	1.1868	1.5323	2.6805		0.7907	0.326	0.616	1.2793	2.3894	4.269	3.413	3.2577	0.2056	0.23275	0.3754
Nitrogen Oxide	TM9	7	8	29	81	38	23	0.0339	0.4364	1.0418	0.9223	1.1865	1.5321	2.6799		0.7907	0.3261	0.6159	1.279	2.3891	4.2683	3.4124	3.2572	0.2055	1.47796	2.3838
Nitrogen Oxide	TM9	7	9	30	76	38	58	0.0346	0.4451	1.0445	0.9238	1.1888	1.5353	2.6851		0.7939	0.327	0.6174	1.2814	2.

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:

(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.

(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Oxide	TM9	9	18	28	81	38	35	0.0354	0.4546	1.0671	0.9442	1.2189	1.5769	2.7531		0.8308	0.3361	0.6355	1.3139	2.4541	4.3846	3.5054	3.3459	0.2178	1.33599	2.15482
Nitrogen Oxide	TM9	9	19	27	84	38	36	0.0357	0.4581	1.0764	0.9528	1.2315	1.5945	2.7815		0.8462	0.34	0.643	1.3275	2.4796	4.43	3.5417	3.3805	0.2226	1.31353	2.11859
Nitrogen Oxide	TM9	9	20	27	86	38	12	0.035	0.4496	1.0667	0.9446	1.2194	1.5777	2.7542		0.8312	0.3363	0.6357	1.3145	2.4552	4.3865	3.5069	3.3474	0.2179	1.05085	1.69491
Nitrogen Oxide	TM9	9	21	27	87	38	3	0.0347	0.4432	1.0618	0.9405	1.2134	1.5693	2.7405		0.8236	0.3344	0.632	1.3079	2.4431	4.3648	3.4896	3.3308	0.2156	1.83857	2.96543
Nitrogen Oxide	TM9	9	22	27	89	38	1	0.034	0.4366	1.052	0.9322	1.2013	1.5525	2.7132		0.8086	0.3306	0.6247	1.2949	2.4187	4.3213	3.4548	3.2975	0.211	0.034	0.05484
Nitrogen Oxide	TM9	9	23	27	89	38	0	0.034	0.4366	1.052	0.9322	1.2013	1.5525	2.7132		0.8086	0.3306	0.6247	1.2949	2.4187	4.3213	3.4548	3.2975	0.211	0	0
Nitrogen Oxide	TM9	9	24	26	89	38	0	0.0355	0.4559	1.0772	0.9541	1.2334	1.5971	2.7857		0.8482	0.3407	0.6442	1.3295	2.4834	4.4368	3.5472	3.3858	0.2232	0	0
Nitrogen Oxide	TM9	10	1	24	74	38	0	0.0424	0.5467	1.1847	1.0457	1.3681	1.784	3.09		1.0152	0.3833	0.7257	1.4747	2.7546	4.9214	3.9346	3.7555	0.2746	0	0
Nitrogen Oxide	TM9	10	2	23	74	38	0	0.0435	0.5616	1.2028	1.0613	1.3909	1.8169	3.1415		1.0488	0.3909	0.7403	1.4993	2.8005	5.0034	4.0001	3.8181	0.2856	0	0
Nitrogen Oxide	TM9	10	3	23	74	38	0	0.0435	0.5616	1.2028	1.0613	1.3909	1.8169	3.1415		1.0488	0.3909	0.7403	1.4993	2.8005	5.0034	4.0001	3.8181	0.2856	0	0
Nitrogen Oxide	TM9	10	4	23	75	38	0	0.0433	0.5584	1.1991	1.0581	1.3862	1.8104	3.1308		1.043	0.3894	0.7375	1.4942	2.791	4.9864	3.9866	3.8052	0.2837	0	0
Nitrogen Oxide	TM9	10	5	23	74	38	0	0.0435	0.5616	1.2028	1.0613	1.3909	1.8169	3.1415		1.0488	0.3909	0.7403	1.4993	2.8005	5.0034	4.0001	3.8181	0.2856	0	0
Nitrogen Oxide	TM9	10	6	23	75	38	0	0.0433	0.5584	1.1991	1.0581	1.3862	1.8104	3.1308		1.043	0.3894	0.7375	1.4942	2.791	4.9864	3.9866	3.8052	0.2837	0	0
Nitrogen Oxide	TM9	10	7	23	75	38	2	0.0433	0.5584	1.1991	1.0581	1.3862	1.8104	3.1308		1.043	0.3894	0.7375	1.4942	2.791	4.9864	3.9866	3.8052	0.2837	0.30085	0.48524
Nitrogen Oxide	TM9	10	8	23	72	38	23	0.0441	0.5681	1.2104	1.0677	1.4003	1.83	3.1628		1.0607	0.3939	0.7461	1.5094	2.8195	5.0373	4.0272	3.8441	0.2892	1.76045	2.83943
Nitrogen Oxide	TM9	10	9	24	69	38	58	0.0437	0.5642	1.2048	1.0627	1.3932	1.8189	3.1467		1.0464	0.3911	0.7409	1.5018	2.8051	5.0117	4.0068	3.8244	0.2842	1.61856	2.61059
Nitrogen Oxide	TM9	10	10	25	64	38	67	0.0442	0.5701	1.209	1.0656	1.3975	1.8248	3.1563		1.0521	0.3921	0.7436	1.5064	2.8138	5.027	4.0191	3.8362	0.2859	1.55673	2.51085
Nitrogen Oxide	TM9	10	11	26	61	38	36	0.0442	0.5705	1.206	1.0624	1.3926	1.818	3.1453		1.0465	0.3904	0.7407	1.5011	2.8039	5.0095	4.005	3.8228	0.2842	1.49689	2.41435
Nitrogen Oxide	TM9	10	12	27	60	38	29	0.0437	0.5636	1.1938	1.0515	1.3766	1.7958	3.1092		1.0269	0.3853	0.731	1.484	2.7718	4.9521	3.9591	3.7789	0.2782	1.64739	2.65707
Nitrogen Oxide	TM9	10	13	27	59	38	28	0.044	0.5677	1.1987	1.0556	1.3827	1.8042	3.1229		1.0345	0.3872	0.7347	1.4905	2.784	4.9737	3.9764	3.7954	0.2805	1.62512	2.62116
Nitrogen Oxide	TM9	10	14	27	59	38	29	0.044	0.5677	1.1987	1.0556	1.3827	1.8042	3.1229		1.0345	0.3872	0.7347	1.4905	2.784	4.9737	3.9764	3.7954	0.2805	1.58866	2.56255
Nitrogen Oxide	TM9	10	15	27	60	38	36	0.0437	0.5636	1.1938	1.0515	1.3766	1.7958	3.1092		1.0269	0.3853	0.731	1.484	2.7718	4.9521	3.9591	3.7789	0.2782	1.47929	2.38595
Nitrogen Oxide	TM9	10	16	27	62	38	28	0.0431	0.5548	1.1841	1.0432	1.3645	1.7791	3.082		1.0119	0.3815	0.7237	1.4709	2.7474	4.9085	3.9242	3.7457	0.2736	1.68893	2.72408
Nitrogen Oxide	TM9	10	17	26	65	38	27	0.043	0.5541	1.1876	1.0469	1.3698	1.7865	3.094		1.0181	0.3833	0.7269	1.4766	2.7581	4.9277	3.9396	3.7603	0.2755	1.45989	2.35466
Nitrogen Oxide	TM9	10	18	25	67	38	35	0.0433	0.5588	1.1961	1.0548	1.3815	1.8026	3.1202		1.0321	0.3871	0.7338	1.4891	2.7814	4.9694	3.973	3.7921	0.2799	1.52483	2.45941
Nitrogen Oxide	TM9	10	19	25	69	38	36	0.0428	0.5512	1.1875	1.0475	1.3707	1.7877	3.096		1.0189	0.3838	0.7274	1.4776	2.76	4.9309	3.9422	3.7628	0.2758	1.47148	2.37355
Nitrogen Oxide	TM9	10	20	25	71	38	17	0.0422	0.5436	1.1789	1.0403	1.3601	1.7729	3.0719		1.0055	0.3805	0.7209	1.466	2.7384	4.8925	3.9133	3.7335	0.2717	1.94867	3.14267
Nitrogen Oxide	TM9	10	21	24	71	38	3	0.0433	0.5572	1.1967	1.0559	1.3831	1.805	3.124		1.0339	0.388	0.7348	1.491	2.785	4.9756	3.9779	3.7968	0.2804	2.0971	3.38242
Nitrogen Oxide	TM9	10	22	24	71	38	1	0.0433	0.5572	1.1967	1.0559	1.3831	1.805	3.124		1.0339	0.388	0.7348	1.491	2.785	4.9756	3.9779	3.7968	0.2804	0.0433	0.06984
Nitrogen Oxide	TM9	10	23	24	72	38	0	0.043	0.5538	1.1927	1.0526	1.3781	1.798	3.1127		1.0276	0.3865	0.7318	1.4855	2.7748	4.9575	3.9635	3.7831	0.2784	0	0
Nitrogen Oxide	TM9	10	24	24	72	38	0	0.043	0.5538	1.1927	1.0526	1.3781	1.798	3.1127		1.0276	0.3865	0.7318	1.4855	2.7748	4.9575	3.9635	3.7831	0.2784	0	0
Nitrogen Oxide	TM9	11	1	21	74	38	0	0.0455	0.5874	1.2331	1.1087	1.4287	1.8724	3.2227		1.1091	0.4041	0.7652	1.5401	2.8767	5.1395	4.1095	3.9219	0.3053	0	0
Nitrogen Oxide	TM9	11	2	21	74	38	0	0.0457	0.5902	1.2365	1.0899	1.4329	1.8782	3.2363		1.1143	0.4053	0.7677	1.5445	2.885	5.1544	4.1209	3.9333	0.3069	0	0
Nitrogen Oxide	TM9	11	3	21	74	38	0	0.0457	0.5902	1.2365	1.0899	1.4329	1.8782	3.2363		1.1143	0.4053	0.7677	1.5445	2.885	5.1544	4.1209	3.9333	0.3069	0	0
Nitrogen Oxide	TM9	11	4	21	74	38	0	0.0457	0.5902	1.2365	1.0899	1.4329	1.8782	3.2363		1.1143	0.4053	0.7677	1.5445	2.885	5.1544	4.1209	3.9333	0.3069	0	0
Nitrogen Oxide	TM9	11	5	21	74	38	0	0.0457	0.5902	1.2365	1.0899	1.4329	1.8782	3.2363		1.1143	0.4053	0.7677	1.5445	2.885	5.1544	4.1209	3.9333	0.3069	0	0
Nitrogen Oxide	TM9	11	6	21	73	38	0	0.046	0.5929	1.2398	1.0927	1.4371	1.8839	3.2456		1.1196	0.4066	0.7702	1.5491	2.8934	5.1693	4.1328	3.9447	0.3086	0	0
Nitrogen Oxide	TM9	11	7	23	73	38	2	0.046	0.5929	1.2398	1.0927	1.4371	1.8839	3.2456		1.1196	0.4066	0.7702	1.5491	2.8934	5.1693	4.1328	3.9447	0.3086	0.31945	0.51424
Nitrogen Oxide	TM9	11	8	21	70	38	23	0.0466	0.6011	1.2496	1.1011	1.4495	1.9013	3.2737		1.1353	0.4104	0.7779	1.5624	2.9184	5.214	4.1685	3.9789	0.3135	1.82684	2.94651
Nitrogen Oxide	TM9	11	9	22	66	38	58	0.0465	0.5999	1.2484	1.1	1.4478	1.8975	3.27		1.1266	0.4094	0.7759	1.5607	2.9151	5.2082	4.1639	3.9743	0.3102	1.68828	2.72304
Nitrogen Oxide	TM9	11	10	23	61	38	67	0.0468	0.6034	1.2519	1.1029	1.4521	1.9019	3.2798		1.1254	0.4101	0.7774	1.5653	2.9237	5.2236	4.1763	3.9862	0.3091	1.62262	2.61714
Nitrogen Oxide	TM9	11	11	25	57	38	36	0.0462	0.596	1.239	1.0911	1.4349	1.8767	3.2408		1.0987	0.4039	0.7662	1.5467	2.889	5.1616	4.1265	3.9388	0.3003	1.54448	2.4911
Nitrogen Oxide	TM9	11	12	25	56	38	29	0.0465	0.5995	1.2433	1.0947	1.4402	1.8842	3.2529		1.1053	0.4055	0.7695	1.5525	2.8998	5.1808	4.142	3.9534	0.3023	1.72656	2.78477
Nitrogen Oxide	TM9	11	13	25	56	38	28	0.0465	0.5995	1.2433	1.0947	1.4402	1.8842	3.2529		1.1053	0.4055	0.7695	1.5525	2.8998	5.1808	4.142	3.9534	0.3023	1.69504	2.73393
Nitrogen Oxide	TM9	11	14	26	56	38	29	0.0457	0.5898	1.2287	1.0817	1.421	1.8575	3.2095		1.0818	0.3993	0.7579	1.5317	2.8611	5.1118	4.0867	3.9008	0.2951	1.63448	2.63626
Nitrogen Oxide	TM9	11	15	26	57	38	36	0.0454	0.586	1.2241	1.0778	1.4154	1.8495	3.1967		1.0748	0.3976	0.7545	1.5257	2.8497	5.0913	4.0704	3.8851	0.2929	1.52272	2.456
Nitrogen Oxide	TM9	11	16	25	58	38	28	0.0459	0.5924	1.2347	1.0875	1.4295	1.8693	3.2288		1.092	0.4022	0.7629	1.5409	2.8782	5.1424	4.1112	3.9241	0.2982	1.77265	2.85911
Nitrogen Oxide	TM9	11	17	24	63	38	27	0.0453	0.5851	1.229	1.0833	1.4233	1.8607	3.2147		1.0838	0.4006	0.7591	1.5342	2.8658	5.1199	4.0933	3.9071	0.2957	1.51949	2.45079
Nitrogen Oxide	TM9	11	18	23	66	38	35	0.0455	0.5873	1.2331	1.0869	1.4286	1.8692	3.2266		1.0965	0.4027	0.7632	1.5399	2.8764	5.1439	4.1085	3.9215	0.3001	1.57977	2.54801
Nitrogen Oxide	TM9	11	19	23	70	38	36	0.0446	0.5746	1.2179	1.074	1.4098	1.8431	3.184		1.0724	0.3968	0.7517	1.5196	2.8384	5.0711	4.0543	3.8698	0.2928	1.51577	2.4448
Nitrogen Oxide	TM9	11	20	22	70	38	17	0.0456	0.588	1.2343	1.0879	1.4302	1.8729	3.2301		1.1044	0.4037	0.7651	1.5416	2.8795	5.1446	4.113	3.9259	0.3032	1.24544	2.00877
Nitrogen Oxide	TM9	11	21	22	72	38	3	0.0451	0.5821	1.2272	1.082	1.4213	1.8607	3.2102		1.0933	0.401	0.7597	1.5321	2.8618	5.1128	4.0876	3.9016	0.2998	2.15517	3.47608
Nitrogen Oxide	TM9	11	22	22	74	38	1	0.0447	0.5761	1.2202	1.076	1.4125	1.8483	3.1902		1.0821	0.3982	0.7544	1.5226	2.8439	5.081	4.0622	3.8773	0.2964	0.0447	0.0721
Nitrogen Oxide	TM9	11	23	22	74	38	0	0.0447	0.5761	1.2202	1.076	1.4125	1.8483	3.1902		1.0821	0.3982	0.7544	1.5226	2.8439	5.081	4.0622	3.8773	0.2964	0	0
Nitrogen Oxide	TM9	11	24	22	74	38	0	0.0447	0.5902	1.2365	1.0899	1.4329	1.8782	3.2363		1.1143	0.4053	0.7677	1.5445	2.885	5.1544	4.1209	3.9333	0.3069	0	0
Nitrogen Oxide	TM9	12	1	16	68	38	0	0.0545	0.7052	1.3255	1.1607	1.5367	2.0315	3.4707		1.2834	0.4427	0.8366	1.6564	3.0939	5.5276	4.4192	4.2181	0.363	0	0
Nitrogen Oxide	TM9	12	2	16	69	38	0	0.0543	0.7028	1.3231	1.1586	1.5336	2.0272	3.4638		1.2795	0.4418	0.8347	1.6532	3.0879	5.5168	4.4106	4.2099	0.3618	0	0
Nitrogen Oxide	TM9	12	3	16	69	38	0	0.0543	0.7028	1.3231	1.1586	1.5336	2.0272	3.4638		1.2795	0.4418	0.8347	1.6532	3.0879	5.5168	4.4106	4.2099	0.3618	0	0
Nitrogen Oxide	TM9	12	4	15	70	38	0	0.0557	0.7228	1.3332	1.1658	1.5441	2.0438	3.4875		1.301	0.4462	0.8424	1.6644	3.109	5.5545	4.4408	4.2386	0.3693	0	0
Nitrogen Oxide	TM9	12	5	15	70	38	0	0.0557	0.7228	1.3332	1.1658	1.5441	2.0438	3.4875		1.301	0.4462	0.8424	1.6644	3.109	5.5545	4.4408	4.2386	0.3693	0	0
Nitrogen Oxide	TM9	12	6	15	70	38	0	0.0557	0.7228	1.3332	1.1658	1.5441	2.0438	3.4875		1.301	0.4462	0.8424	1.6644	3.109	5.5545	4.4408	4.2386	0.3693	0	0
Nitrogen Oxide	TM9	12	7	15	70	38	2	0.0557	0.7228	1.3332	1.1658	1.5441	2.0438	3.4875		1.301	0.4462	0.8424	1.6644	3.109	5.5545	4.4408	4.2386	0.3693	0.38925	0.62782
Nitrogen Oxide	TM9	12	8	15	69	38	23	0.0559	0.725	1.3354	1.1677	1.5469	2.0477	3.4939		1.3046	0.4471	0.8441	1.6674	3.1146	5.5646	4.4488	4.2463	0.3704	1.96892	3.17568
Nitrogen Oxide	TM9	12	9	16	68	38	58	0.0549	0.7124	1.3229	1.1568	1.5456	2.044	3.4908		1.2952	0.4456	0.8422	1.6661	3.1119	5.5597	4.4449	4.2426	0.3666	1.82247	2.93946
Nitrogen Oxide	TM9	12	10	17	62	38	62	0.0539	0.6982	1.3283	1.1641	1.5418	2.037	3.4823		1.2823	0.4433	0.8386	1.6619	3.1044	5.5462	4.4341	4.2324	0.3619	1.74105	2.80814
Nitrogen Oxide	TM9	12	11	18	58	38	36	0.0531	0.6878	1.327	1.1641	1.5419	2.0353	3.4826		1.2751	0.4425	0.8376	1.6621	3.1036	5.5466	4.4344	4.2326	0.3609	1.68023	2.69726
Nitrogen Oxide	TM9	12	12	19	57	38	29	0.0519	0.6703	1.3177	1.1574	1.5321	2.0199	3.4605		1.2549	0.4382	0.8304	1.6516	3.0849	5.5114	4.4063	4.2057	0.3519	1.84631	2.97791
Nitrogen Oxide	TM9	12	13	19	56	38	28	0.0521	0.6732	1.3206	1.1599	1.5357	2.025	3.4687		1.2596	0.4394	0.8327	1.6554	3.0921	5.5246	4.4168	4.2157	0.3534	1.81629	2.9295
Nitrogen Oxide	TM9	12	14	19	56	38	29	0.0521	0.6732	1.3206	1.1599	1.5357	2.025	3.4687		1.2596	0.4394	0.8327	1.6554	3.0921	5.5246	4.4168	4.2157	0.3534	1.77687	2.86592
Nitrogen Oxide	TM9	12	15	19	56	38	36	0.0521	0.6732	1.3206	1.1599	1.5357	2.025	3.4687		1.2596	0.4394	0.8327	1.6554	3.0921	5.5246	4.4168	4.2157	0.3534	1.66326	2.68268
Nitrogen Oxide	TM9	12	16	19	57	38	28	0.0519	0.6703	1.3177	1.1574	1.5321	2.0199	3.4605		1.2549	0.4382	0.8304	1.6516	3.0849	5.5114	4.4063	4.2057	0.3519	1.91039	3.08128
Nitrogen Oxide	TM9	12	17	18	61	38	27	0.0527	0.6805	1.3214	1.1596	1.5351	2.0239	3.4672		1.2643	0.4401	0.8334	1.6547	3.0909	5.5222	4.4134	4.2139	0.3562	1.65283	2.66585
Nitrogen Oxide	TM9	12	18	18	64	38	35	0.0525	0.672	1.3103	1.1502	1.5215	2.0067	3.4365		1.2486	0.4358	0.825	1.6401	3.0634	5.4732	4.3757	4.1766	0.3506	1.69439	2.73289
Nitrogen Oxide	TM9	12	19	17	65	38	36	0.0533	0.6908	1.3205	1.1576	1.5323	2.0236	3.4608		1.2701	0.4402	0.8328	1.6516	3.0851	5.5119	4.4066	4.2061	0.3581	1.66325	2.68267
Nitrogen Oxide	TM9	12	20	17	66	38	17	0.0531	0.6883	1.3179	1.1555	1.5291	2.0191	3.4535		1.2659	0.4392	0.8308	1.6482	3.0787	5.5004	4.3975	4.1973	0.3568	1.34538	2.16997
Nitrogen Oxide	TM9	12	21	17	66	38	3	0.0531	0.6883	1.3179	1.1555	1.5291	2.0191	3.4535		1.2659	0.4392	0.8308	1.6482	3.0787	5.5004	4.3975	4.1973	0.3568	2.32003	3.74199
Nitrogen Oxide	TM9	12	22	17	66	38	1	0.0548	0.71	1.3304	1.1647	1.5425	2.0398	3.4841		1.2912	0.4446	0.8403	1.6628	3.1058	5.549	4.4363	4.2345	0.3655	0.0548	0.08839
Nitrogen Oxide	TM9	12	23	16	66	38	0	0.0548	0.71	1.3304	1.1647	1.5425	2.0398	3.4841		1.2912	0.4446	0.8403	1.6628	3.1058	5.549	4.4363	4.2345	0.3655	0	0
Nitrogen Oxide	TM9	12	24	16	67	38	0	0.0546	0.7076	1.3279	1.1628	1.5396	2.0356	3.4774		1.2873	0.4437	0.8384	1.6596	3.0999	5.5382	4.4278	4.2263	0.3642	0	0
Nitrogen Oxide	TM10	1	1	17	76	38	0	0.0512	0.6633	1.2919	1.1338	1.4972	1.9744	3.3816		1.2244	0.4291	0.8112	1.6139	3.0145	5.3857	4.3058	4.1099	0.3439	0	0
Nitrogen Oxide	TM10	1	2	17	77	38	0	0.051	0.6608	1.2893	1.1316	1.494	1.9699	3.3743		1.2203	0.428	0.8093	1.6104	3.0081	5.3743	4.2966	4.1011	0.3426	0	0
Nitrogen Oxide	TM10	1	3	17	77	38	0	0.051	0.6608	1.2893	1.1316	1.494	1.9699	3.3743		1.2203	0.428	0.8093	1.6104	3.0081	5.3743	4.2966	4.1011	0.3426	0	0
Nitrogen Oxide	TM10	1	4	17	77	38	0	0.051	0.6608	1.2893	1.1316	1.494	1.9699	3.3743		1.2203	0.428	0.8093	1.6104	3.0081	5.3743	4.2966	4.1011	0.3426	0	0
Nitrogen Oxide	TM10	1	5	17	78	38	0	0.0508	0.6583	1.2866	1.1294	1.4908	1.9655	3.3672		1.2161	0.4277	0.8073	1.607	3.0016	5.3628	4.2875	4.0924	0.3412	0	0
Nitrogen Oxide	TM10	1	6	17	77	38	0	0.051	0.6608	1.2893	1.1316	1.494	1.9699	3.3743		1.2203	0.428	0.8093	1.6104	3.0081	5.3743	4.2966	4.1011	0.3426	0	0
Nitrogen Oxide	TM10	1	7	16	77	38	2	0.0528	0.6839	1.3036	1.1424	1.5098	1.9938	3.41		1.2482	0.4341	0.82	1.6275	3.0398	5.431	4.342	4.1444	0.352	0.36835	0.59411
Nitrogen Oxide	TM10	1	8	17	77	38	23	0.051	0.6608	1.2893	1.1316	1.494	1.9699	3.3743		1.2203	0.428	0.8093	1.6104	3.0081	5.3743	4.2966	4.1011	0.3426	1.89285	3.05299
Nitrogen Oxide	TM10	1	9	17	73	38	58	0.0518	0.6708	1.2997	1.1403	1.5068	1.9878	3.4031		1.2369	0.4321	0.8171	1.6242	3.0337	5.4202	4.3353	4.1362	0.3477	1.77076	2.85607
Nitrogen Oxide	TM10	1	10	19	69	38	67	0.0493	0.6372	1.2822	1.1278	1.4885	1.9589	3.362		1.1989	0.4244	0.8057	1.6045	2.997	5.3545	4.2809	4.086	0.3345	1.67131	2.69566
Nitrogen Oxide	TM10	1	11	20	64	38	36	0.0489	0.6304	1.2829	1.1294	1.491	1.9607	3.3675		1.1949	0.4243	0.8042	1.6071	3.002	5.3634	4.2879	4.0927	0.3326	1.60991	2.59662
Nitrogen Oxide	TM10	1	12	21	62	38	29	0.0483	0.6227	1.276	1.1237	1.4826	1.9474	3.3486		1.1773	0.4209	0.7981	1.5982	2.9851	5.3332	4.2638	4.0698	0.3264	1.78083	2.87231
Nitrogen Oxide	TM10	1	13	21	61	38	28	0.0485	0.6253	1.2794	1.1265	1.4867	1.9532	3.3579		1.1825	0.4223	0.8006	1.6026	2.9934	5.3481	4.2757	4.0812	0.3281	1.75325	2.82782
Nitrogen Oxide	TM10	1	14	21	62	38	29	0.0483	0.6227	1.276	1.1237	1.4826	1.9474	3.3486		1.1773	0.4

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:

(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.

(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Oxide	TM10	3	23	21	85	38	0	0.0434	0.5598	1.2	1.0588	1.3873	1.8147	3.1334		1.0566	0.3909	0.74	1.4954	2.7933	4.9905	3.9898	3.8082	0.2891	0	0
Nitrogen Oxide	TM10	3	24	21	86	38	0	0.0433	0.557	1.1968	1.056	1.3831	1.8089	3.124		1.0513	0.3896	0.7374	1.4909	2.7849	4.9756	3.9779	3.7969	0.2875	0	0
Nitrogen Oxide	TM10	4	1	20	83	38	0	0.0451	0.5809	1.224	1.0793	1.4173	1.8579	3.2089		1.1008	0.401	0.7591	1.5276	2.8535	5.0981	4.0758	3.8903	0.3034	0	0
Nitrogen Oxide	TM10	4	2	20	85	38	0	0.0447	0.5758	1.2179	1.0739	1.4095	1.847	3.1834		1.0909	0.3985	0.7544	1.5193	2.8379	5.0701	4.0535	3.869	0.3004	0	0
Nitrogen Oxide	TM10	4	3	20	84	38	0	0.0449	0.5783	1.2209	1.0766	1.4133	1.8524	3.1922		1.0959	0.3998	0.7568	1.5255	2.8456	5.0841	4.0646	3.8797	0.3019	0	0
Nitrogen Oxide	TM10	4	4	20	84	38	0	0.0447	0.5758	1.2179	1.0739	1.4095	1.847	3.1834		1.0909	0.3985	0.7544	1.5193	2.8379	5.0701	4.0535	3.869	0.3004	0	0
Nitrogen Oxide	TM10	4	5	19	84	38	0	0.0462	0.5957	1.2378	1.0906	1.434	1.8828	3.2387		1.1288	0.407	0.7703	1.5457	2.8871	5.1583	4.124	3.9363	0.3127	0	0
Nitrogen Oxide	TM10	4	6	19	84	38	0	0.0462	0.5957	1.2378	1.0906	1.434	1.8828	3.2387		1.1288	0.407	0.7703	1.5457	2.8871	5.1583	4.124	3.9363	0.3127	0	0
Nitrogen Oxide	TM10	4	7	20	84	38	2	0.0449	0.5783	1.2209	1.0766	1.4133	1.8524	3.1922		1.0959	0.3998	0.7568	1.5255	2.8456	5.0841	4.0646	3.8797	0.3019	0.31116	0.50258
Nitrogen Oxide	TM10	4	8	21	79	38	23	0.0447	0.5764	1.2199	1.0758	1.4122	1.8494	3.1896		1.0881	0.3987	0.7551	1.5222	2.8433	5.0799	4.0613	3.8764	0.2989	1.77738	2.86675
Nitrogen Oxide	TM10	4	9	22	73	38	58	0.0449	0.5792	1.2236	1.079	1.4169	1.8545	3.2003		1.0877	0.3996	0.757	1.5274	2.8529	5.0969	4.0749	3.8895	0.2981	1.6497	2.66081
Nitrogen Oxide	TM10	4	10	23	69	38	67	0.0448	0.5777	1.2218	1.0773	1.4144	1.8496	3.1947		1.0783	0.3983	0.7546	1.5247	2.8479	5.0882	4.0679	3.8827	0.2946	1.5773	2.54403
Nitrogen Oxide	TM10	4	11	23	68	38	36	0.0451	0.581	1.2255	1.0805	1.4191	1.8562	3.2054		1.0842	0.3997	0.7575	1.5298	2.8574	5.1051	4.0814	3.8957	0.2964	1.52652	2.46213
Nitrogen Oxide	TM10	4	12	24	66	38	29	0.0446	0.5747	1.2169	1.073	1.4082	1.8398	3.1807		1.0651	0.3959	0.75	1.518	2.8355	5.0658	4.0501	3.8657	0.29	1.68593	2.71924
Nitrogen Oxide	TM10	4	13	24	65	38	28	0.0449	0.5781	1.2209	1.0765	1.4132	1.8467	3.192		1.0713	0.3974	0.753	1.5234	2.8455	5.0838	4.0644	3.8795	0.2919	1.66161	2.68002
Nitrogen Oxide	TM10	4	14	24	66	38	29	0.0446	0.5747	1.2169	1.073	1.4082	1.8398	3.1807		1.0651	0.3959	0.75	1.518	2.8355	5.0658	4.0501	3.8657	0.29	1.61821	2.61002
Nitrogen Oxide	TM10	4	15	24	66	38	36	0.0446	0.5747	1.2169	1.073	1.4082	1.8398	3.1807		1.0651	0.3959	0.75	1.518	2.8355	5.0658	4.0501	3.8657	0.29	1.51381	2.44162
Nitrogen Oxide	TM10	4	16	24	67	38	28	0.0443	0.5711	1.2128	1.0697	1.4033	1.8328	3.1693		1.0588	0.3943	0.747	1.5126	2.8253	5.0477	4.0356	3.8519	0.288	1.73796	2.80316
Nitrogen Oxide	TM10	4	17	23	69	38	27	0.0448	0.5777	1.2218	1.0773	1.4144	1.8496	3.1947		1.0783	0.3983	0.7546	1.5247	2.8479	5.0882	4.0679	3.8827	0.2946	1.5098	2.43516
Nitrogen Oxide	TM10	4	18	22	74	38	35	0.0447	0.5761	1.2202	1.076	1.4125	1.8483	3.1902		1.0821	0.3982	0.7544	1.5226	2.8439	5.081	4.0622	3.8773	0.2964	1.56148	2.51852
Nitrogen Oxide	TM10	4	19	22	76	38	36	0.0442	0.5703	1.2131	1.0699	1.4036	1.8361	3.1703		1.071	0.3952	0.749	1.513	2.8262	5.0493	4.0368	3.853	0.293	1.50936	2.43445
Nitrogen Oxide	TM10	4	20	21	79	38	17	0.0447	0.5764	1.2199	1.0758	1.4122	1.8494	3.1896		1.0881	0.3987	0.7551	1.5222	2.8433	5.0799	4.0613	3.8764	0.2989	1.22908	1.98239
Nitrogen Oxide	TM10	4	21	21	80	38	3	0.0445	0.5737	1.2166	1.0729	1.408	1.8436	3.1802		1.0828	0.3974	0.7526	1.5178	2.8349	5.065	4.0494	3.8651	0.2973	2.13497	3.44349
Nitrogen Oxide	TM10	4	22	21	81	38	1	0.0443	0.5709	1.2133	1.0701	1.4038	1.8379	3.1708		1.0776	0.3961	0.75	1.5133	2.8267	5.0501	4.0375	3.8537	0.2955	0.0443	0.07145
Nitrogen Oxide	TM10	4	23	21	82	38	0	0.0441	0.5682	1.21	1.0673	1.3998	1.832	3.1615		1.0723	0.3948	0.7475	1.5089	2.8183	5.0352	4.0256	3.8423	0.2939	0	0
Nitrogen Oxide	TM10	4	24	20	82	38	0	0.0452	0.5834	1.2271	1.0819	1.4211	1.8632	3.2097		1.1058	0.4022	0.7616	1.5319	2.8613	5.1112	4.087	3.901	0.3049	0	0
Nitrogen Oxide	TM10	5	1	26	91	38	0	0.0361	0.4478	1.0681	0.9463	1.222	1.5814	2.7601		0.8341	0.3372	0.6373	1.3172	2.4605	4.3959	3.5143	3.3545	0.2189	0	0
Nitrogen Oxide	TM10	5	2	25	92	38	0	0.0361	0.4637	1.0884	0.964	1.2478	1.6172	2.8185		0.8659	0.3454	0.6529	1.3452	2.5125	4.4889	3.5888	3.4255	0.2288	0	0
Nitrogen Oxide	TM10	5	3	25	92	38	0	0.0361	0.4637	1.0884	0.964	1.2478	1.6172	2.8185		0.8659	0.3454	0.6529	1.3452	2.5125	4.4889	3.5888	3.4255	0.2288	0	0
Nitrogen Oxide	TM10	5	4	25	91	38	0	0.0364	0.4675	1.0927	0.9676	1.2532	1.6247	2.8306		0.8726	0.3471	0.6561	1.3509	2.5233	4.5081	3.6042	3.4401	0.2308	0	0
Nitrogen Oxide	TM10	5	5	25	92	38	0	0.0361	0.4637	1.0884	0.964	1.2478	1.6172	2.8185		0.8659	0.3454	0.6529	1.3452	2.5125	4.4889	3.5888	3.4255	0.2288	0	0
Nitrogen Oxide	TM10	5	6	25	93	38	0	0.0357	0.4599	1.084	0.9603	1.2426	1.6098	2.8065		0.8593	0.3437	0.6496	1.3394	2.5018	4.4697	3.5735	3.4108	0.2267	0	0
Nitrogen Oxide	TM10	5	7	26	91	38	2	0.0349	0.4478	1.0681	0.9463	1.222	1.5814	2.7601		0.8341	0.3371	0.6373	1.3172	2.4605	4.3959	3.5143	3.3545	0.2189	0.24135	0.38927
Nitrogen Oxide	TM10	5	8	27	85	38	23	0.0354	0.4539	1.0716	0.9487	1.2255	1.5861	2.7678		0.8387	0.3382	0.6394	1.321	2.4674	4.4082	3.5243	3.3639	0.2203	1.52838	2.46513
Nitrogen Oxide	TM10	5	9	28	80	38	58	0.0358	0.4591	1.0723	0.9486	1.2253	1.5859	2.7675		0.8388	0.3381	0.6394	1.3208	2.4671	4.4078	3.5239	3.3636	0.2203	1.41023	2.27457
Nitrogen Oxide	TM10	5	10	28	78	38	67	0.0364	0.4686	1.0827	0.9573	1.2382	1.6037	2.7965		0.8548	0.3421	0.6472	1.3346	2.493	4.454	3.5609	3.3988	0.2252	1.36622	2.20358
Nitrogen Oxide	TM10	5	11	29	77	38	36	0.0356	0.4565	1.0639	0.9408	1.2138	1.57	2.7416		0.8248	0.3345	0.6325	1.3085	2.444	4.3665	3.4909	3.3321	0.216	1.29492	2.08858
Nitrogen Oxide	TM10	5	12	29	75	38	29	0.0363	0.4667	1.075	0.9501	1.2275	1.5889	2.7725		0.8419	0.3388	0.6407	1.3232	2.4715	4.4156	3.5302	3.3696	0.2213	1.46037	2.35544
Nitrogen Oxide	TM10	5	13	29	74	38	28	0.0367	0.4718	1.0805	0.9547	1.2343	1.5984	2.7879		0.8503	0.341	0.6448	1.3306	2.4852	4.4402	3.5498	3.3883	0.2238	1.44366	2.32849
Nitrogen Oxide	TM10	5	14	29	75	38	29	0.0363	0.4667	1.075	0.9501	1.2275	1.5889	2.7725		0.8419	0.3388	0.6407	1.3232	2.4715	4.4156	3.5302	3.3696	0.2213	1.40184	2.26103
Nitrogen Oxide	TM10	5	15	29	75	38	36	0.0363	0.4667	1.075	0.9501	1.2275	1.5889	2.7725		0.8419	0.3388	0.6407	1.3232	2.4715	4.4156	3.5302	3.3696	0.2213	1.31053	2.11376
Nitrogen Oxide	TM10	5	16	29	77	38	28	0.0356	0.4565	1.0639	0.9408	1.2138	1.57	2.7416		0.8248	0.3345	0.6325	1.3085	2.444	4.3665	3.4909	3.3321	0.216	1.49336	2.40865
Nitrogen Oxide	TM10	5	17	28	78	38	27	0.0364	0.4686	1.0827	0.9573	1.2382	1.6037	2.7965		0.8548	0.3421	0.6472	1.3346	2.493	4.454	3.5609	3.3988	0.2252	1.31159	2.11546
Nitrogen Oxide	TM10	5	18	28	81	38	35	0.0354	0.4541	1.0671	0.9442	1.2189	1.5769	2.7503		0.8308	0.3361	0.6355	1.3139	2.4541	4.3846	3.5054	3.3459	0.2178	1.33899	2.15482
Nitrogen Oxide	TM10	5	19	27	84	38	36	0.0357	0.4581	1.0764	0.9528	1.2315	1.5945	2.7815		0.8462	0.34	0.643	1.3275	2.4796	4.43	3.5417	3.3805	0.2226	1.31353	2.11859
Nitrogen Oxide	TM10	5	20	27	87	38	17	0.0347	0.4452	1.0618	0.9405	1.2134	1.5693	2.7405		0.8236	0.3344	0.632	1.3079	2.4431	4.3648	3.4896	3.3308	0.2156	1.04518	1.68577
Nitrogen Oxide	TM10	5	21	27	87	38	3	0.0343	0.4409	1.0569	0.9363	1.2073	1.5609	2.7269		0.8161	0.3325	0.6284	1.3014	2.4309	4.343	3.4722	3.3142	0.2134	1.82937	2.95059
Nitrogen Oxide	TM10	5	22	26	89	38	1	0.0355	0.4559	1.0772	0.9541	1.2334	1.5971	2.7857		0.8482	0.3407	0.6442	1.3295	2.4834	4.4368	3.5472	3.3858	0.2232	0.0355	0.05726
Nitrogen Oxide	TM10	5	23	26	89	38	0	0.0355	0.4559	1.0772	0.9541	1.2334	1.5971	2.7857		0.8482	0.3407	0.6442	1.3295	2.4834	4.4368	3.5472	3.3858	0.2232	0	0
Nitrogen Oxide	TM10	5	24	26	90	38	0	0.0352	0.4517	1.0727	0.9502	1.2277	1.5892	2.7729		0.8412	0.3389	0.6407	1.3234	2.472	4.4164	3.5308	3.3702	0.2211	0	0
Nitrogen Oxide	TM10	6	1	28	88	38	0	0.0329	0.4226	1.0308	0.9136	1.1739	1.5145	2.6514		0.7747	0.322	0.6081	1.2654	2.3636	4.2228	3.376	3.2225	0.2006	0	0
Nitrogen Oxide	TM10	6	2	27	89	38	0	0.034	0.4366	1.052	0.9322	1.2013	1.5525	2.7132		0.8086	0.3306	0.6247	1.2949	2.4187	4.3213	3.4548	3.2975	0.211	0	0
Nitrogen Oxide	TM10	6	3	27	89	38	0	0.034	0.4366	1.052	0.9322	1.2013	1.5525	2.7132		0.8086	0.3306	0.6247	1.2949	2.4187	4.3213	3.4548	3.2975	0.211	0	0
Nitrogen Oxide	TM10	6	4	27	88	38	0	0.0343	0.4409	1.0569	0.9363	1.2073	1.5609	2.7269		0.8161	0.3325	0.6284	1.3014	2.4309	4.343	3.4722	3.3142	0.2134	0	0
Nitrogen Oxide	TM10	6	5	27	89	38	0	0.034	0.4366	1.052	0.9322	1.2013	1.5525	2.7132		0.8086	0.3306	0.6247	1.2949	2.4187	4.3213	3.4548	3.2975	0.211	0	0
Nitrogen Oxide	TM10	6	6	27	90	38	0	0.0337	0.4322	1.0471	0.9281	1.1952	1.5442	2.6996		0.801	0.3287	0.6211	1.2884	2.4066	4.2995	3.4374	3.281	0.2087	0	0
Nitrogen Oxide	TM10	6	7	28	87	38	2	0.0333	0.4272	1.0361	0.918	1.1803	1.5234	2.6659		0.7827	0.324	0.612	1.2723	2.3765	4.2459	3.3946	3.24	0.2031	0.23025	0.37137
Nitrogen Oxide	TM10	6	8	29	82	38	23	0.0336	0.4316	1.0463	0.9176	1.1797	1.5226	2.6646		0.7823	0.3239	0.6117	1.2717	2.3753	4.2437	3.3928	3.2384	0.2029	1.4689	2.3692
Nitrogen Oxide	TM10	6	9	29	79	38	58	0.0347	0.4464	1.0528	0.9315	1.2002	1.5511	2.7108		0.8078	0.3303	0.6242	1.2937	2.4165	4.3174	3.4517	3.2946	0.2108	1.37943	2.22489
Nitrogen Oxide	TM10	6	10	30	76	38	67	0.0346	0.4451	1.0445	0.9238	1.1888	1.5353	2.6851		0.7939	0.3227	0.6174	1.2814	2.3956	4.2765	3.4189	3.2633	0.2064	1.30834	2.11023
Nitrogen Oxide	TM10	6	11	30	74	38	36	0.0351	0.4505	1.0504	0.9287	1.1961	1.5453	2.7014		0.8031	0.3292	0.6217	1.2893	2.4082	4.3026	3.4398	3.2833	0.2093	1.05729	1.70543
Nitrogen Oxide	TM10	6	12	30	74	38	29	0.0355	0.456	1.0562	0.9336	1.2033	1.5553	2.7179		0.8119	0.3314	0.6261	1.2971	2.4228	4.3286	3.4607	3.3032	0.212	1.43064	2.30749
Nitrogen Oxide	TM10	6	13	31	73	38	28	0.0346	0.445	1.037	0.9168	1.1784	1.5209	2.6617		0.7812	0.324	0.6111	1.2703	2.3727	4.2392	3.3892	3.2349	0.2025	1.37619	2.21967
Nitrogen Oxide	TM10	6	14	31	72	38	29	0.035	0.4506	1.0432	0.922	1.1862	1.5316	2.679		0.7909	0.3264	0.6157	1.2786	2.3882	4.2668	3.4113	3.256	0.2053	1.35341	2.18291
Nitrogen Oxide	TM10	6	15	30	74	38	36	0.0355	0.456	1.0562	0.9336	1.2033	1.5553	2.7179		0.8119	0.3314	0.6261	1.2971	2.4228	4.3286	3.4607	3.3032	0.212	1.28383	2.0707
Nitrogen Oxide	TM10	6	16	30	74	38	28	0.0355	0.456	1.0562	0.9336	1.2033	1.5553	2.7179		0.8119	0.3314	0.6261	1.2971	2.4228	4.3286	3.4607	3.3032	0.212	1.48047	2.38786
Nitrogen Oxide	TM10	6	17	30	75	38	27	0.0351	0.4505	1.0504	0.9287	1.1961	1.5453	2.7014		0.8031	0.3292	0.6217	1.2893	2.4082	4.3026	3.4398	3.2833	0.2093	1.26549	2.04111
Nitrogen Oxide	TM10	6	18	29	79	38	35	0.0347	0.4464	1.0528	0.9315	1.2002	1.5511	2.7108		0.8078	0.3303	0.6242	1.2937	2.4165	4.3174	3.4517	3.2946	0.2108	1.31484	2.12071
Nitrogen Oxide	TM10	6	19	29	81	38	36	0.0339	0.4364	1.0418	0.9223	1.1865	1.5321	2.6799		0.7907	0.3261	0.6159	1.279	2.3891	4.2683	3.4124	3.2572	0.2055	1.26363	2.03812
Nitrogen Oxide	TM10	6	20	28	83	38	17	0.0347	0.4455	1.0568	0.9355	1.206	1.5591	2.7239		0.8148	0.332	0.6277	1.3	2.4283	4.3384	3.4685	3.3106	0.2129	1.03954	1.67667
Nitrogen Oxide	TM10	6	21	28	87	38	3	0.0339	0.4364	1.0464	0.9267	1.1932	1.5413	2.6949		0.7987	0.3281	0.6199	1.2862	2.4024	4.2922	3.4315	3.2754	0.208	1.8079	2.91597
Nitrogen Oxide	TM10	6	22	28	86	38	1	0.0333	0.4317	1.0412	0.9224	1.1868	1.5323	2.6805		0.7907	0.326	0.616	1.2793	2.3894	4.269	3.4133	3.2577	0.2056	0.0337	0.05435
Nitrogen Oxide	TM10	6	23	28	87	38	0	0.0333	0.4272	1.0361	0.918	1.1803	1.5234	2.6659		0.7827	0.324	0.612	1.2723	2.3765	4.2459	3.3946	3.24	0.2031	0	0
Nitrogen Oxide	TM10	6	24	28	87	38	0	0.0333	0.4272	1.0361	0.918	1.1803	1.5234	2.6659		0.7827	0.324	0.612	1.2723	2.3765	4.2459	3.3946	3.24	0.2031	0	0
Nitrogen Oxide	TM10	7	1	28	84	38	0	0.0343	0.4409	1.0515	0.9311	1.1996	1.5502	2.7094		0.8068	0.33	0.6238	1.2931	2.4153	4.3152	3.4499	3.293	0.2104	0	0
Nitrogen Oxide	TM10	7	2	28	84	38	0	0.0343	0.4409	1.0515	0.9311	1.1996	1.5502	2.7094		0.8068	0.33	0.6238	1.2931	2.4153	4.3152	3.4499	3.293	0.2104	0	0
Nitrogen Oxide	TM10	7	3	28	84	38	0	0.0337	0.4318	1.0412	0.9224	1.1868	1.5323	2.6805		0.7907	0.326	0.616	1.2793	2.3894	4.269	3.4133	3.2577	0.2056	0	0
Nitrogen Oxide	TM10	7	4	28	86	38	0	0.0337	0.4318	1.0412	0.9224	1.1868	1.5323	2.6805		0.7907	0.326	0.616	1.2793	2.3894	4.269	3.4133	3.2577	0.2056	0	0
Nitrogen Oxide	TM10	7	5	28	88	38	0	0.0329	0.4226	1.0308	0.9136	1.1739	1.5145	2.6514		0.7747	0.322	0.6081	1.2654	2.3636	4.2228	3.376	3.2225	0.2006	0	0
Nitrogen Oxide	TM10	7	6	27	88	38	0	0.0343	0.4409	1.0569	0.9363	1.2073	1.5609	2.7269		0.8161	0.3325	0.6284	1.3014	2.4309	4.343	3.4722	3.3142	0.2134	0	0
Nitrogen Oxide	TM10	7	7	28	86	38	2	0.0337	0.4318	1.0412	0.9224	1.1868	1.5323	2.6805		0.7907	0.326	0.616	1.2793	2.3894	4.269	3.413	3.2577	0.2056	0.02375	0.3754
Nitrogen Oxide	TM10	7	8	29	81	38	23	0.0339	0.4364	1.0418	0.9223	1.1865	1.5321	2.6799		0.7907	0.3261	0.6159	1.279	2.3891	4.2683	3.4124	3.2572	0.2055	1.47796	2.3838
Nitrogen Oxide	TM10	7	9	30	76	38	58	0.0346	0.4451	1.0445	0.9238	1.1888	1.5353	2.6851		0.7939	0.3227	0.6174	1.2814	2.3956	4.2765	3.4189	3.2633	0.2064	1.30834	2.10327
Nitrogen Oxide	TM10	7	10	31	70	38	67	0.0358	0.462	1.0557	0.9324	1.2015	1.5529	2.7137		0.81	0.3312	0.6251	1.2952	2.4192	4.3221	3.4555	3.2982	0.2114	1.3247	2.13662
Nitrogen Oxide	TM10	7	11	31	68	38	36	0.0368	0.4736	1.0682	0.9429	1.2168	1.5742	2.7484		0.8292	0.336	0.6343	1.3117	2.4501	4.3774	3.4996	3.3404	0.2173	1.30038	2.09739
Nitrogen Oxide	TM10	7	12	32	67	38	29	0.036	0.4641	1.0502	0.9271	1.1937	1.542	2.6961		0.8005	0.3292	0.6203	1.2867	2.4034	4.294	3.4329	3.2767	0.2085	1.42032	2.29084
Nitrogen Oxide	TM10	7	13	32	66	38	28	0.0365	0.4704	1.0568	0.9326	1.2018	1.5533	2.7144		0.8107	0.3317	0.6253	1.2955	2.4198	4.3233	3.4564	3.2991	0.2116	1.40573	2.26731
Nitrogen Oxide	TM10	7	14	32	66	38	29	0.0365	0.4704	1.0568	0.9326	1.2018	1.5533	2.7144		0.8107	0.3317	0.6253	1.2955	2.4198	4.3233	3.4564	3.2991	0.2116	1.37348	2.21529
Nitrogen Oxide	TM10	7	15	31	68	38	36	0.0368	0.4736	1.0682	0.9429	1.2168	1.5742	2.7484		0.8292	0.336	0.6343	1.3117	2.4501	4.3774	3.4996	3.3404	0.2173	1.30038	2.09739
Nitrogen Oxide	TM10	7	16	31	69	38	28	0.0363	0.4678	1.0619	0.9377	1.2092	1.5635	2.7311		0.8196	0.3336	0.6298	1.3034	2.4347	4.3498	3.4776	3.3193	0.2143	1.48908	2.40173
Nitrogen Oxide	TM10	7	17	31	70	38	27	0.0358	0.462	1.0557	0.9324	1.2015	1.5529	2.7137		0.81	0.3312	0.6251	1.2952	2.4192	4.3221	3.4555	3.2982	0.2114	1.27269	2.05272
Nitrogen Oxide	TM10	7	18	30	73	38	35	0.0358	0.4614	1.0621	0.9386	1.2106	1.5654	2.7342		0.821	0.3338	0.6305	1.3049	2.4374	4.3547	3.4815	3.323	0.2148	1.328	2.14194
Nitrogen Oxide	TM10	7	19	29	76	38	36	0.0359	0.4616	1.0694	0.9454	1.2207	1.5795	2.757		0.8333	0.3367	0.6366	1.3158	2

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:

(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.

(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Oxide	TM10	10	4	23	75	38	0	0.0433	0.5584	1.1991	1.0581	1.3862	1.8104	3.1308		1.043	0.3894	0.7375	1.4942	2.791	4.9864	3.9866	3.8052	0.2837	0	0
Nitrogen Oxide	TM10	10	5	23	74	38	0	0.0435	0.5616	1.2028	1.0613	1.3909	1.8169	3.1415		1.0488	0.3909	0.7403	1.4993	2.8005	5.0034	4.0001	3.8181	0.2856	0	0
Nitrogen Oxide	TM10	10	6	23	75	38	0	0.0433	0.5584	1.1991	1.0581	1.3862	1.8104	3.1308		1.043	0.3894	0.7375	1.4942	2.791	4.9864	3.9866	3.8052	0.2837	0	0
Nitrogen Oxide	TM10	10	7	23	75	38	2	0.0433	0.5584	1.1991	1.0581	1.3862	1.8104	3.1308		1.043	0.3894	0.7375	1.4942	2.791	4.9864	3.9866	3.8052	0.2837	0.30085	0.48524
Nitrogen Oxide	TM10	10	8	23	72	38	23	0.0441	0.5681	1.2104	1.0677	1.4003	1.83	3.1628		1.0607	0.3939	0.7461	1.5094	2.8195	5.0373	4.0272	3.844	0.2892	1.76045	2.83943
Nitrogen Oxide	TM10	10	9	24	69	38	58	0.0437	0.5642	1.2048	1.0627	1.3932	1.8189	3.1467		1.0464	0.3911	0.7409	1.5018	2.8051	5.0117	4.0068	3.8244	0.2842	1.61856	2.61059
Nitrogen Oxide	TM10	10	10	25	64	38	67	0.0442	0.5701	1.209	1.0656	1.3975	1.8248	3.1563		1.0521	0.3921	0.7436	1.5064	2.8138	5.027	4.0191	3.8362	0.2859	1.55673	2.51085
Nitrogen Oxide	TM10	10	11	26	61	38	36	0.0442	0.5705	1.206	1.0624	1.3926	1.818	3.1453		1.0465	0.3904	0.7407	1.5011	2.8039	5.0095	4.005	3.8228	0.2842	1.49689	2.41435
Nitrogen Oxide	TM10	10	12	27	60	38	29	0.0437	0.5636	1.1938	1.0515	1.3766	1.7938	3.1092		1.0269	0.3853	0.731	1.484	2.7718	4.9521	3.9591	3.7789	0.2782	1.64739	2.65707
Nitrogen Oxide	TM10	10	13	27	59	38	28	0.044	0.5677	1.1987	1.0556	1.3827	1.8042	3.1229		1.0345	0.3872	0.7347	1.4905	2.784	4.9737	3.9764	3.7954	0.2805	1.62512	2.62116
Nitrogen Oxide	TM10	10	14	27	59	38	29	0.044	0.5677	1.1987	1.0556	1.3827	1.8042	3.1229		1.0345	0.3872	0.7347	1.4905	2.784	4.9737	3.9764	3.7954	0.2805	1.58866	2.56235
Nitrogen Oxide	TM10	10	15	27	60	38	36	0.0437	0.5636	1.1938	1.0515	1.3766	1.7958	3.1092		1.0269	0.3853	0.731	1.484	2.7718	4.9521	3.9591	3.7789	0.2782	1.47929	2.38595
Nitrogen Oxide	TM10	10	16	27	62	38	28	0.0431	0.5548	1.1841	1.0432	1.3645	1.7791	3.082		1.0119	0.3815	0.7237	1.4709	2.7474	4.9085	3.9242	3.7457	0.2736	1.68895	2.72408
Nitrogen Oxide	TM10	10	17	26	65	38	27	0.043	0.5541	1.1876	1.0469	1.3698	1.7865	3.094		1.0181	0.3833	0.7269	1.4766	2.7581	4.9277	3.9396	3.7603	0.2755	1.45989	2.35466
Nitrogen Oxide	TM10	10	18	25	67	38	35	0.0433	0.5588	1.1961	1.0548	1.3815	1.8026	3.1202		1.0321	0.3871	0.7338	1.4891	2.7814	4.9694	3.973	3.7921	0.2799	1.52483	2.45941
Nitrogen Oxide	TM10	10	19	25	69	38	36	0.0428	0.5512	1.1875	1.0475	1.3707	1.7877	3.096		1.0189	0.3838	0.7274	1.4776	2.76	4.9309	3.9422	3.7628	0.2758	1.47148	2.37335
Nitrogen Oxide	TM10	10	20	25	71	38	17	0.0422	0.5436	1.1789	1.0403	1.3601	1.7729	3.0719		1.0055	0.3805	0.7209	1.466	2.7384	4.8925	3.9115	3.7335	0.2717	1.18089	1.90467
Nitrogen Oxide	TM10	10	21	24	71	38	3	0.0433	0.5572	1.1967	1.0559	1.3831	1.805	3.124		1.0339	0.388	0.7348	1.491	2.785	4.9756	3.9779	3.7968	0.2804	2.0971	3.38242
Nitrogen Oxide	TM10	10	22	24	71	38	1	0.0433	0.5572	1.1967	1.0559	1.3831	1.805	3.124		1.0339	0.388	0.7348	1.491	2.785	4.9756	3.9779	3.7968	0.2804	0.0433	0.06984
Nitrogen Oxide	TM10	10	23	24	72	38	0	0.043	0.5538	1.1927	1.0526	1.3781	1.798	3.1127		1.0276	0.3865	0.7318	1.4855	2.7748	4.9575	3.9635	3.7831	0.2784	0	0
Nitrogen Oxide	TM10	10	24	24	72	38	0	0.043	0.5538	1.1927	1.0526	1.3781	1.798	3.1127		1.0276	0.3865	0.7318	1.4855	2.7748	4.9575	3.9635	3.7831	0.2784	0	0
Nitrogen Oxide	TM10	11	1	21	75	38	0	0.0455	0.5874	1.2331	1.087	1.4287	1.8724	3.227		1.1091	0.404	0.7652	1.5401	2.8767	5.1395	4.109	3.9219	0.3053	0	0
Nitrogen Oxide	TM10	11	2	21	74	38	0	0.0457	0.5902	1.2365	1.0899	1.4329	1.8782	3.2363		1.1143	0.4053	0.7677	1.5445	2.885	5.1544	4.1209	3.9333	0.3069	0	0
Nitrogen Oxide	TM10	11	3	21	74	38	0	0.0457	0.5902	1.2365	1.0899	1.4329	1.8782	3.2363		1.1143	0.4053	0.7677	1.5445	2.885	5.1544	4.1209	3.9333	0.3069	0	0
Nitrogen Oxide	TM10	11	4	21	74	38	0	0.0457	0.5902	1.2365	1.0899	1.4329	1.8782	3.2363		1.1143	0.4053	0.7677	1.5445	2.885	5.1544	4.1209	3.9333	0.3069	0	0
Nitrogen Oxide	TM10	11	5	21	74	38	0	0.0457	0.5902	1.2365	1.0899	1.4329	1.8782	3.2363		1.1143	0.4053	0.7677	1.5445	2.885	5.1544	4.1209	3.9333	0.3069	0	0
Nitrogen Oxide	TM10	11	6	21	73	38	0	0.046	0.5929	1.2398	1.0927	1.4371	1.8839	3.2456		1.1196	0.4066	0.7702	1.5491	2.8934	5.1693	4.1328	3.9442	0.3086	0	0
Nitrogen Oxide	TM10	11	7	21	73	38	2	0.046	0.5929	1.2398	1.0927	1.4371	1.8839	3.2456		1.1196	0.4066	0.7702	1.5491	2.8934	5.1693	4.1328	3.9447	0.3086	0.31945	0.51524
Nitrogen Oxide	TM10	11	8	21	70	38	23	0.0466	0.6011	1.2496	1.1011	1.4495	1.9013	3.2737		1.1353	0.4104	0.7779	1.5624	2.9184	5.214	4.1685	3.9789	0.3135	1.82684	2.94651
Nitrogen Oxide	TM10	11	9	22	66	38	58	0.0465	0.5999	1.2484	1.1	1.4478	1.8975	3.27		1.1266	0.4094	0.7759	1.5607	2.9151	5.2082	4.1639	3.9743	0.3102	1.68828	2.72304
Nitrogen Oxide	TM10	11	10	23	61	38	62	0.0468	0.6034	1.2519	1.1029	1.4521	1.9019	3.2798		1.1254	0.4101	0.7774	1.5653	2.9237	5.2236	4.1763	3.9862	0.3091	1.62262	2.61714
Nitrogen Oxide	TM10	11	11	24	57	38	36	0.0462	0.596	1.239	1.0911	1.4349	1.8767	3.2408		1.0987	0.4039	0.7662	1.5467	2.8894	5.1616	4.1265	3.9388	0.3003	1.54488	2.4911
Nitrogen Oxide	TM10	11	12	25	56	38	29	0.0465	0.5995	1.2433	1.0947	1.4402	1.8842	3.2529		1.1053	0.4055	0.7695	1.5525	2.8998	5.1808	4.142	3.9534	0.3023	1.72656	2.78477
Nitrogen Oxide	TM10	11	13	25	56	38	28	0.0465	0.5995	1.2433	1.0947	1.4402	1.8842	3.2529		1.1053	0.4055	0.7695	1.5525	2.8998	5.1808	4.142	3.9534	0.3023	1.69504	2.73393
Nitrogen Oxide	TM10	11	14	26	56	38	29	0.0457	0.5898	1.2287	1.0817	1.421	1.8575	3.2095		1.0818	0.3993	0.7579	1.5317	2.8611	5.1118	4.0867	3.9008	0.2951	1.63448	2.63626
Nitrogen Oxide	TM10	11	15	26	57	38	36	0.0454	0.586	1.2241	1.0778	1.4154	1.8495	3.1967		1.0748	0.3976	0.7545	1.5257	2.8497	5.0913	4.0704	3.8851	0.2929	1.52272	2.456
Nitrogen Oxide	TM10	11	16	25	58	38	28	0.0459	0.5924	1.2347	1.0875	1.4295	1.8693	3.2288		1.092	0.4022	0.7629	1.5409	2.8782	5.1424	4.1112	3.9241	0.2982	1.72265	2.85911
Nitrogen Oxide	TM10	11	17	24	63	38	27	0.0453	0.5851	1.229	1.0833	1.4233	1.8607	3.2147		1.0838	0.4006	0.7591	1.5342	2.8658	5.1199	4.0933	3.9071	0.2957	1.54079	2.45077
Nitrogen Oxide	TM10	11	18	23	66	38	35	0.0455	0.5873	1.2331	1.0869	1.4286	1.8692	3.2266		1.0961	0.4027	0.7632	1.5399	2.8764	5.139	4.1085	3.9215	0.3001	1.57977	2.54801
Nitrogen Oxide	TM10	11	19	23	70	38	36	0.0446	0.5746	1.2179	1.074	1.4098	1.8431	3.184		1.0724	0.3968	0.7517	1.5196	2.8384	5.0711	4.0543	3.8698	0.2928	1.51577	2.4448
Nitrogen Oxide	TM10	11	20	22	70	38	17	0.0456	0.588	1.2343	1.0879	1.4302	1.8729	3.2301		1.1044	0.4037	0.7651	1.5416	2.8795	5.1446	4.113	3.9259	0.3032	1.24544	2.00877
Nitrogen Oxide	TM10	11	21	22	72	38	3	0.0451	0.5821	1.2272	1.082	1.4213	1.8607	3.2102		1.0933	0.401	0.7597	1.5321	2.8618	5.1128	4.0876	3.9016	0.2998	2.15517	3.47608
Nitrogen Oxide	TM10	11	22	22	74	38	1	0.0447	0.5761	1.2202	1.076	1.4125	1.8483	3.1902		1.0821	0.3982	0.7544	1.5226	2.8439	5.081	4.0622	3.8773	0.2964	0.0447	0.0721
Nitrogen Oxide	TM10	11	23	22	74	38	0	0.0447	0.5761	1.2202	1.076	1.4125	1.8483	3.1902		1.0821	0.3982	0.7544	1.5226	2.8439	5.081	4.0622	3.8773	0.2964	0	0
Nitrogen Oxide	TM10	11	24	21	74	38	0	0.0457	0.5902	1.2365	1.0899	1.4329	1.8782	3.2363		1.1143	0.4053	0.7677	1.5445	2.885	5.1544	4.1209	3.9333	0.3069	0	0
Nitrogen Oxide	TM10	12	1	16	68	38	0	0.0545	0.7052	1.3255	1.1607	1.5367	2.0315	3.4707		1.2834	0.4427	0.8366	1.6564	3.0939	5.5276	4.4192	4.2181	0.363	0	0
Nitrogen Oxide	TM10	12	2	16	69	38	0	0.0543	0.7028	1.3231	1.1586	1.5336	2.0272	3.4638		1.2795	0.4418	0.8347	1.6532	3.0879	5.5168	4.4106	4.2099	0.3618	0	0
Nitrogen Oxide	TM10	12	3	16	69	38	0	0.0543	0.7028	1.3231	1.1586	1.5336	2.0272	3.4638		1.2795	0.4418	0.8347	1.6532	3.0879	5.5168	4.4106	4.2099	0.3618	0	0
Nitrogen Oxide	TM10	12	4	15	70	38	0	0.0557	0.7228	1.3332	1.1658	1.5441	2.0438	3.4875		1.301	0.4462	0.8424	1.6644	3.109	5.5545	4.4408	4.2386	0.3693	0	0
Nitrogen Oxide	TM10	12	5	15	74	38	0	0.0557	0.7228	1.3332	1.1658	1.5441	2.0438	3.4875		1.301	0.4462	0.8424	1.6644	3.109	5.5545	4.4408	4.2386	0.3693	0	0
Nitrogen Oxide	TM10	12	6	15	70	38	0	0.0557	0.7228	1.3332	1.1658	1.5441	2.0438	3.4875		1.301	0.4462	0.8424	1.6644	3.109	5.5545	4.4408	4.2386	0.3693	0	0
Nitrogen Oxide	TM10	12	7	15	70	38	2	0.0557	0.7228	1.3332	1.1658	1.5441	2.0438	3.4875		1.301	0.4462	0.8424	1.6644	3.109	5.5545	4.4408	4.2386	0.3693	0.38923	0.62782
Nitrogen Oxide	TM10	12	8	15	69	38	23	0.0559	0.725	1.3354	1.1677	1.5469	2.0477	3.4939		1.3046	0.4471	0.8441	1.6674	3.1146	5.5646	4.4488	4.2463	0.3704	1.96892	3.17568
Nitrogen Oxide	TM10	12	9	16	65	38	58	0.0549	0.7124	1.3328	1.1668	1.5456	2.044	3.4908		1.2952	0.4456	0.8422	1.6661	3.1119	5.5397	4.4449	4.2426	0.3666	1.82247	2.93946
Nitrogen Oxide	TM10	12	10	17	62	38	67	0.0539	0.6982	1.3285	1.1641	1.5418	2.037	3.4823		1.2825	0.4433	0.8386	1.6619	3.1044	5.5462	4.4341	4.2324	0.3619	1.74105	2.80814
Nitrogen Oxide	TM10	12	11	18	58	38	36	0.0531	0.6878	1.327	1.1641	1.5419	2.0353	3.4826		1.2751	0.4423	0.8376	1.6621	3.1046	5.5466	4.4344	4.2326	0.3589	1.6723	2.69726
Nitrogen Oxide	TM10	12	12	19	57	38	29	0.0519	0.6703	1.3177	1.1574	1.5321	2.0199	3.4605		1.2549	0.4382	0.8304	1.6516	3.0849	5.5114	4.4063	4.2057	0.3519	1.84631	2.97791
Nitrogen Oxide	TM10	12	13	19	56	38	28	0.0521	0.6732	1.3206	1.1599	1.5357	2.025	3.4687		1.2596	0.4394	0.8327	1.6554	3.0921	5.5246	4.4168	4.2157	0.3534	1.81629	2.9295
Nitrogen Oxide	TM10	12	14	19	56	38	29	0.0521	0.6732	1.3206	1.1599	1.5357	2.025	3.4687		1.2596	0.4394	0.8327	1.6554	3.0921	5.5246	4.4168	4.2157	0.3534	1.77687	2.86592
Nitrogen Oxide	TM10	12	15	19	56	38	36	0.0521	0.6732	1.3206	1.1599	1.5357	2.025	3.4687		1.2596	0.4394	0.8327	1.6554	3.0921	5.5246	4.4168	4.2157	0.3534	1.66326	2.68268
Nitrogen Oxide	TM10	12	16	19	56	38	28	0.0513	0.6627	1.3177	1.1574	1.5321	2.0199	3.4605		1.2549	0.4382	0.8304	1.6516	3.0849	5.5114	4.4063	4.2057	0.3519	1.91039	3.08128
Nitrogen Oxide	TM10	12	17	18	60	38	27	0.0527	0.6825	1.3214	1.1596	1.5351	2.0258	3.4672		1.2663	0.4401	0.8334	1.6547	3.0909	5.5222	4.4148	4.2139	0.3562	1.65283	2.66585
Nitrogen Oxide	TM10	12	18	18	64	38	35	0.052	0.672	1.3103	1.1502	1.5215	2.0067	3.4365		1.2486	0.4358	0.825	1.6401	3.0634	5.4732	4.3757	4.1766	0.3506	1.69439	2.73289
Nitrogen Oxide	TM10	12	19	17	65	38	36	0.0533	0.6908	1.3205	1.1576	1.5323	2.0236	3.4608		1.2701	0.4402	0.8328	1.6516	3.0851	5.5119	4.4066	4.2061	0.3581	1.66325	2.68267
Nitrogen Oxide	TM10	12	20	17	66	38	17	0.0531	0.6883	1.3179	1.1555	1.5291	2.0191	3.4535		1.2659	0.4392	0.8308	1.6482	3.0787	5.5004	4.3975	4.1973	0.3568	1.34538	2.16997
Nitrogen Oxide	TM10	12	21	17	66	38	3	0.0531	0.6883	1.3179	1.1555	1.5291	2.0191	3.4535		1.2659	0.4392	0.8308	1.6482	3.0787	5.5004	4.3975	4.1973	0.3568	1.92303	3.74199
Nitrogen Oxide	TM10	12	22	16	66	38	1	0.0548	0.71	1.3304	1.1647	1.5425	2.0398	3.4841		1.2912	0.4446	0.8403	1.6628	3.1058	5.549	4.4363	4.2345	0.3655	0.0548	0.08839
Nitrogen Oxide	TM10	12	23	16	66	38	0	0.0548	0.71	1.3304	1.1647	1.5425	2.0398	3.4841		1.2912	0.4446	0.8403	1.6628	3.1058	5.549	4.4363	4.2345	0.3655	0	0
Nitrogen Oxide	TM10	12	24	16	67	38	0	0.0546	0.7076	1.3279	1.1628	1.5396	2.0356	3.4774		1.2873	0.4437	0.8384	1.6596	3.0999	5.5382	4.4278	4.2263	0.3642	0	0
Nitrogen Oxide	TM11	1	1	17	76	52	35	0.0449	0.5841	1.1185	0.962	1.2894	1.6635	2.762		1.0524	0.3562	0.6696	1.3159	2.5231	4.3697	3.5443	3.3025	0.3275	1.57846	2.5459
Nitrogen Oxide	TM11	1	2	17	77	53	21	0.0447	0.5779	1.1079	0.9518	1.2751	1.6426	2.7239		1.0414	0.3517	0.6606	1.2969	2.4908	4.3076	3.4966	3.2868	0.3255	1.26542	2.04101
Nitrogen Oxide	TM11	1	3	17	77	53	19	0.0447	0.5779	1.1079	0.9518	1.2751	1.6426	2.7239		1.0414	0.3517	0.6606	1.2969	2.4908	4.3076	3.4966	3.2868	0.3255	1.34146	2.16365
Nitrogen Oxide	TM11	1	4	17	77	53	17	0.0447	0.5779	1.1079	0.9518	1.2751	1.6426	2.7239		1.0414	0.3517	0.6606	1.2969	2.4908	4.3076	3.4966	3.2868	0.3255	1.39834	2.25538
Nitrogen Oxide	TM11	1	5	17	78	53	17	0.0445	0.5757	1.1057	0.9501	1.2724	1.6389	2.7181		1.0378	0.3508	0.6589	1.2941	2.4854	4.2984	3.4892	3.2797	0.3243	1.30089	2.09822
Nitrogen Oxide	TM11	1	6	17	77	53	37	0.0447	0.5779	1.1079	0.9518	1.2751	1.6426	2.7239		1.0414	0.3517	0.6606	1.2969	2.4908	4.3076	3.4966	3.2868	0.3255	0.99812	1.60988
Nitrogen Oxide	TM11	1	7	16	77	51	85	0.0466	0.6067	1.1376	0.978	1.3122	1.6976	2.819		1.0811	0.3642	0.6848	1.3438	2.5724	4.4616	3.6162	3.3392	0.3359	1.08628	1.75206
Nitrogen Oxide	TM11	1	8	17	77	53	228	0.0529	0.6839	1.3412	1.183	1.549	2.0608	3.5644		1.2275	0.4504	0.8519	1.699	3.1522	5.69	4.5295	4.3736	0.348	0.97368	1.57368
Nitrogen Oxide	TM11	1	9	17	73	34	595	0.0544	0.7026	1.3711	1.211	1.5892	2.1129	3.6683		1.3125	0.463	0.8759	1.7461	3.2319	5.8563	4.6545	4.5123	0.3553	1.73414	2.797
Nitrogen Oxide	TM11	1	10	19	69	34	684	0.0518	0.6675	1.3528	1.1976	1.57	2.0822	3.624		1.2723	0.4549	0.8616	1.7249	3.1927	5.7853	4.5982	4.4576	0.3418	1.76165	2.84137
Nitrogen Oxide	TM11	1	11	20	64	33	720	0.052	0.6685	1.3735	1.219	1.5952	2.1186	3.7047		1.2884	0.4635	0.8783	1.7617	3.2529	5.9179	4.6958	4.5709	0.3419	1.5069	2.43049
Nitrogen Oxide	TM11	1	12	21	62	42	700	0.0462	0.5975	1.2167	1.065	1.4134	1.8437	3.134		1.1168	0.3959	0.7498	1.4974	2.801	4.9809	4.0021	3.7644	0.3206	1.24678	2.01093
Nitrogen Oxide	TM11	1	13	21	62	42	649	0.0464	0.6	1.2199	1.0676	1.4173	1.8491	3.1428		1.1218	0.3971	0.7521	1.5016	2.8281	4.9947	4.0133	3.7749	0.3221	1.32481	2.13678
Nitrogen Oxide	TM11	1	14	21	62	42	600	0.0462	0.5975	1.2167	1.065	1.4134	1.8437	3.134		1.1168	0.3959	0.7498	1.4974	2.801	4.9809	4.0021	3.7644	0.3206	1.30437	2.10382
Nitrogen Oxide	TM11	1	15	21	62	41	693	0.0467	0.6035	1.2306	1.0788	1.4298	1.8682	3.184		1.1309	0.4017	0.7611	1.521	2.859	5.0629	4.0632	3.8357	0.322	1.36505	2.20169
Nitrogen Oxide	TM11	1	16	21	63	44	704	0.0451	0.5836	1.1873	1.0363	1.3785	1.7922	3.0321		1.0857	0.3837	0.7262	1.4487	2.739	4.8139	3.8766	3.6206	0.3165	1.29915	2.09541
Nitrogen Oxide	TM11	1	17	20	67	33	676	0.0513	0.6593	1.3634	1.2104	1.5828	2.101	3.6757		1.2724	0.4595	0.8706	1.748	3.2275	5.8717	4.6591	4.5351	0.3372	1.49157	2.40576
Nitrogen Oxide	TM11	1	18	19	72	33	646	0.0519	0.6671	1.363	1.2092	1.5809	2.1001	3.6714		1.2775	0.4597	0.8705	1.7459	3.2237	5.8648	4.6537	4.5298	0.3393	1.46323	2.36005
Nitrogen Oxide	TM11	1	19	18	74	33	688	0.0532	0.6848	1.3729	1.2166	1.5915	2.1168	3.6959		1.2987	0.4642	0.8782	1.7575	3.2452	5.9039	4.6847	4.5601	0.3464	1.55236	2.50381
Nitrogen Oxide	TM11	1	20	18	74	33	478	0.0525	0.6764	1.3532	1.1969	1.5688	2.0824	3.6214		1.2783	0.4584	0.862	1.7238	3.1804	5.7812	4.5949	4.4544	0.3443	1.17677	1.89801
Nitrogen Oxide	TM11	1	21	18	75	34	420	0.0523	0.6736	1.3503	1.1945	1.5652	2.0773	3.613		1.2736	0.4543	0.8598	1.7198	3.1832	5.768	4.5843	4.4443	0.3429	1.20617	1.94543
Nitrogen Oxide	TM11	1	22	18	76	50	168	0.0441	0.5725	1.1229	0.9699	1.2991	1.6781	2.799		1.0439	0.3585	0.6758	1.3349	2.5512	4.4318	3.589	3.284	0.3197	1.40893	2.27247
Nitrogen Oxide	TM11	1	23	18	75	51	91	0.0439	0.5706	1.1164	0.963	1.2899	1.6642	2.771		1.0392	0.3555	0.6696	1.3209	2.5286	4.3856	3.5545	3.2824	0.3202	1.75195	2.82573
Nitrogen Oxide	TM11	1	24	17	76	52	69

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:

(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.

(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Oxide	TM11	4	9	22	73	34	595	0.0471	0.6067	1.2912	1.1458	1.4945	1.971	3.4496		1.1545	0.4284	0.8117	1.642	3.0392	5.5071	4.3769	4.2432	0.3047	1.61857	2.6106
Nitrogen Oxide	TM11	4	10	23	69	34	684	0.047	0.6052	1.2892	1.1439	1.4919	1.9659	3.4437		1.1446	0.4271	0.809	1.6391	3.0339	5.4975	4.3694	4.2359	0.3011	1.66621	2.68743
Nitrogen Oxide	TM11	4	11	23	68	33	720	0.048	0.6162	1.3121	1.1661	1.5184	2.0054	3.5263		1.1693	0.4368	0.8274	1.6768	3.0962	5.6329	4.4696	4.3507	0.3048	1.42894	2.30474
Nitrogen Oxide	TM11	4	12	24	66	42	700	0.0427	0.5514	1.1601	1.017	1.3425	1.7418	2.9769		1.0103	0.3722	0.7046	1.4223	2.6787	4.7311	3.8015	3.5757	0.2847	1.10274	1.77897
Nitrogen Oxide	TM11	4	13	24	65	42	649	0.0429	0.5547	1.164	1.0202	1.3473	1.7484	2.9875		1.0161	0.3737	0.7074	1.4273	2.6883	4.748	3.815	3.5883	0.2866	1.2549	2.02403
Nitrogen Oxide	TM11	4	14	24	66	42	600	0.0427	0.5514	1.1601	1.017	1.3425	1.7418	2.9769		1.0102	0.3722	0.7046	1.4223	2.6787	4.7311	3.8015	3.5757	0.2847	1.23456	1.99122
Nitrogen Oxide	TM11	4	15	24	66	41	693	0.0431	0.5569	1.1735	1.0302	1.3581	1.7648	3.0244		1.023	0.3778	0.7152	1.4448	2.7156	4.809	3.8595	3.6434	0.2859	1.29224	2.08426
Nitrogen Oxide	TM11	4	16	24	67	44	704	0.0415	0.5377	1.1312	0.9889	1.3084	1.6918	2.8777		0.9806	0.3604	0.6817	1.3749	2.5996	4.569	3.6794	3.4364	0.2806	1.22861	1.98162
Nitrogen Oxide	TM11	4	17	23	69	33	676	0.0477	0.6128	1.308	1.1626	1.5134	1.9983	3.5145		1.163	0.4352	0.8243	1.6713	3.086	5.6142	4.4549	4.3363	0.3029	1.4211	2.2921
Nitrogen Oxide	TM11	4	18	22	74	33	646	0.0476	0.6111	1.3063	1.1613	1.5113	1.9969	3.5096		1.167	0.4351	0.824	1.669	3.0816	5.6064	4.4486	4.3302	0.3047	1.39248	2.24593
Nitrogen Oxide	TM11	4	19	22	76	33	688	0.0471	0.6048	1.2988	1.1547	1.5019	1.9836	3.4876		1.155	0.4321	0.8182	1.6585	3.0624	5.5713	4.4208	4.3031	0.3011	1.45621	2.34873
Nitrogen Oxide	TM11	4	20	21	79	34	478	0.0469	0.6038	1.2873	1.1423	1.4895	1.9656	3.4381		1.1548	0.4274	0.8095	1.6365	3.029	5.4887	4.3624	4.229	0.3053	1.10937	1.78931
Nitrogen Oxide	TM11	4	21	21	80	34	420	0.0468	0.6009	1.2838	1.1393	1.4851	1.9594	3.428		1.1495	0.4261	0.8068	1.6317	3.0201	5.4726	4.3496	4.2166	0.3037	1.13696	1.83381
Nitrogen Oxide	TM11	4	22	21	81	50	168	0.0395	0.5104	1.0663	0.9247	1.2318	1.5821	2.6539		0.94	0.3356	0.6332	1.2657	2.419	4.2021	3.4031	3.1138	0.2826	1.3283	2.14242
Nitrogen Oxide	TM11	4	23	21	82	51	91	0.0389	0.5041	1.0547	0.9138	1.2166	1.5603	2.6136		0.9278	0.3309	0.6236	1.2459	2.385	4.1363	3.3526	3.096	0.2804	1.64533	2.65371
Nitrogen Oxide	TM11	4	24	20	82	52	69	0.0396	0.5138	1.0615	0.918	1.2238	1.5701	2.6216		0.9497	0.3336	0.6282	1.249	2.3949	4.1476	3.3642	3.1346	0.2903	1.87714	3.02764
Nitrogen Oxide	TM11	5	1	26	91	52	35	0.0305	0.3944	0.9227	0.8032	1.0524	1.3331	2.2544		0.7147	0.2791	0.5249	1.0741	2.0594	3.5665	2.8929	2.6956	0.2082	1.2574	2.02806
Nitrogen Oxide	TM11	5	2	25	92	53	21	0.0316	0.4055	0.9332	0.811	1.065	1.3493	2.2752		0.7368	0.283	0.5317	1.0833	2.0804	3.598	2.9206	2.7453	0.2172	1.02808	1.6582
Nitrogen Oxide	TM11	5	3	25	92	53	19	0.0316	0.4055	0.9332	0.811	1.065	1.3493	2.2752		0.7368	0.283	0.5317	1.0833	2.0804	3.598	2.9206	2.7453	0.2172	1.09586	1.76751
Nitrogen Oxide	TM11	5	4	25	91	53	17	0.0319	0.4089	0.9369	0.814	1.0696	1.3554	2.2849		0.7425	0.2844	0.5343	1.0879	2.0893	3.6135	2.9331	2.7571	0.2191	1.15195	1.85798
Nitrogen Oxide	TM11	5	5	25	92	53	17	0.0316	0.4055	0.9332	0.811	1.065	1.3493	2.2752		0.7368	0.283	0.5317	1.0833	2.0804	3.598	2.9206	2.7453	0.2172	1.0622	1.7129
Nitrogen Oxide	TM11	5	6	25	93	53	37	0.0314	0.4022	0.9295	0.808	1.0604	1.3431	2.2654		0.7311	0.2817	0.529	1.0786	2.0715	3.5827	2.908	2.7336	0.2152	0.81494	1.31441
Nitrogen Oxide	TM11	5	7	26	91	51	85	0.0308	0.3972	0.9301	0.8103	1.0622	1.3472	2.2817		0.7203	0.2821	0.531	1.0877	2.0822	3.6113	2.927	2.7029	0.2087	0.86145	1.38943
Nitrogen Oxide	TM11	5	8	27	85	35	228	0.0366	0.4697	1.1152	0.9916	1.2747	1.6591	2.9254		0.8768	0.356	0.6733	1.3936	2.5855	4.6673	3.7153	3.5875	0.2238	0.7732	1.2471
Nitrogen Oxide	TM11	5	9	28	80	34	595	0.0376	0.4809	1.1317	1.0072	1.2924	1.6853	2.9832		0.8907	0.3627	0.6856	1.4199	2.6283	4.7624	3.7851	3.6694	0.2252	1.38884	2.24007
Nitrogen Oxide	TM11	5	10	28	78	34	684	0.0383	0.4908	1.1427	1.0165	1.3059	1.7043	3.0145		0.9077	0.367	0.6941	1.4348	2.6558	4.8124	3.8248	3.7079	0.2302	1.44905	2.33717
Nitrogen Oxide	TM11	5	11	29	77	33	720	0.0378	0.4842	1.1394	1.0152	1.2987	1.6959	3.0161		0.8901	0.3659	0.6912	1.4342	2.6483	4.8179	3.824	3.7233	0.222	1.21285	1.9562
Nitrogen Oxide	TM11	5	12	29	75	42	700	0.0347	0.4478	1.0245	0.9005	1.1702	1.5045	2.5948		0.798	0.3185	0.6018	1.2397	2.3349	4.1239	3.3136	3.1167	0.2172	1.02111	1.64695
Nitrogen Oxide	TM11	5	13	29	74	42	649	0.0351	0.4526	1.0299	0.9049	1.1767	1.5135	2.6093		0.8062	0.3205	0.6057	1.2466	2.3479	4.1468	3.332	3.1341	0.2198	1.08917	1.75672
Nitrogen Oxide	TM11	5	14	29	75	42	600	0.0347	0.4478	1.0245	0.9005	1.1702	1.5045	2.5948		0.798	0.3185	0.6018	1.2397	2.3349	4.1239	3.3136	3.1167	0.2172	1.06922	1.72455
Nitrogen Oxide	TM11	5	15	29	75	41	693	0.0351	0.4522	1.0365	0.9122	1.1832	1.5244	2.6362		0.8083	0.3233	0.6108	1.2593	2.3671	4.1918	3.3642	3.1757	0.2181	1.11968	1.80594
Nitrogen Oxide	TM11	5	16	29	77	44	704	0.0334	0.4297	0.9919	0.8699	1.1318	1.4493	2.4894		0.7633	0.3056	0.577	1.1894	2.2487	3.9524	3.1828	3.0726	0.2104	1.07051	1.72641
Nitrogen Oxide	TM11	5	17	28	78	33	676	0.0388	0.497	1.1596	1.033	1.3248	1.7324	3.0765		0.9224	0.3741	0.7072	1.4629	2.7013	4.9145	3.8996	3.7959	0.2315	1.23532	1.99245
Nitrogen Oxide	TM11	5	18	28	81	33	646	0.0376	0.4822	1.1429	1.019	1.3042	1.7035	3.0286		0.8966	0.3675	0.6944	1.4402	2.6593	4.838	3.8389	3.7367	0.224	1.19162	1.92197
Nitrogen Oxide	TM11	5	19	27	84	33	688	0.0379	0.4859	1.1529	1.0282	1.3176	1.7225	3.06		0.9131	0.3717	0.7028	1.4551	2.6868	4.888	3.8787	3.7754	0.2289	1.26855	2.04605
Nitrogen Oxide	TM11	5	20	27	87	34	478	0.0364	0.4663	1.1208	0.9985	1.2797	1.6677	2.9541		0.8747	0.3587	0.6779	1.4061	2.6027	4.716	3.7482	3.6336	0.2204	0.94335	1.52153
Nitrogen Oxide	TM11	5	21	27	88	34	420	0.036	0.4618	1.1157	0.9942	1.2734	1.6588	2.9394		0.8667	0.3566	0.674	1.3991	2.5897	4.6925	3.7296	3.6156	0.218	0.96574	1.55764
Nitrogen Oxide	TM11	5	22	26	88	50	168	0.0316	0.4075	0.9458	0.8246	1.0822	1.3753	2.3316		0.7388	0.2883	0.5432	1.1121	2.1253	3.6918	2.9898	2.7357	0.2174	1.15696	1.86606
Nitrogen Oxide	TM11	5	23	26	89	51	91	0.0314	0.4044	0.9381	0.817	1.073	1.3606	2.3029		0.7326	0.2851	0.5368	1.0978	2.1015	3.6449	2.9541	2.728	0.2129	1.43977	2.32221
Nitrogen Oxide	TM11	5	24	26	90	52	69	0.0308	0.3978	0.9267	0.8065	1.0573	1.3397	2.2648		0.7208	0.2806	0.5277	1.079	2.069	3.5832	2.9064	2.7081	0.2103	1.60982	2.59649
Nitrogen Oxide	TM11	6	1	28	88	52	35	0.0288	0.3721	0.8903	0.7754	1.011	1.2769	2.1656		0.6634	0.2665	0.5006	1.0318	1.9783	3.4261	2.779	2.5894	0.1909	1.20391	1.94178
Nitrogen Oxide	TM11	6	2	27	89	53	21	0.0298	0.3817	0.9018	0.7844	1.0253	1.2953	2.1902		0.6875	0.2707	0.5085	1.0428	2.0027	3.4636	2.8115	2.6428	0.2004	0.98605	1.59041
Nitrogen Oxide	TM11	6	3	27	89	53	19	0.0298	0.3817	0.9018	0.7844	1.0253	1.2953	2.1902		0.6875	0.2707	0.5085	1.0428	2.0027	3.4636	2.8115	2.6428	0.2004	1.05209	1.69693
Nitrogen Oxide	TM11	6	4	27	88	53	17	0.0301	0.3856	0.9061	0.7878	1.0304	1.3023	2.2012		0.694	0.2724	0.5116	1.0481	2.0128	3.481	2.8256	2.6561	0.2025	1.10727	1.78592
Nitrogen Oxide	TM11	6	5	27	89	53	17	0.0298	0.3817	0.9018	0.7844	1.0253	1.2953	2.1902		0.6875	0.2707	0.5085	1.0428	2.0027	3.4636	2.8115	2.6428	0.2004	1.01902	1.64358
Nitrogen Oxide	TM11	6	6	27	90	53	37	0.0295	0.378	0.8976	0.7809	1.0201	1.2884	2.1792		0.681	0.2692	0.5056	1.0375	1.9926	3.4462	2.7973	2.6295	0.1982	0.78252	1.26213
Nitrogen Oxide	TM11	6	7	28	87	51	85	0.0294	0.379	0.902	0.7861	1.026	1.2979	2.2039		0.6757	0.271	0.5098	1.0506	2.0112	3.4881	2.8271	2.6106	0.1936	0.83144	1.34104
Nitrogen Oxide	TM11	6	8	29	82	35	228	0.0349	0.4466	1.0785	0.9591	1.2271	1.5926	2.8162		0.8179	0.3412	0.6443	1.3416	2.489	4.4931	3.5766	3.4536	0.2061	0.74267	1.19785
Nitrogen Oxide	TM11	6	9	29	79	34	595	0.0365	0.4675	1.1112	0.9889	1.2659	1.6483	2.9221		0.8579	0.3541	0.6695	1.3908	2.5744	4.6648	3.7076	3.5943	0.2154	1.3593	2.19241
Nitrogen Oxide	TM11	6	10	30	76	34	684	0.0364	0.4663	1.1025	0.9808	1.2539	1.6315	2.8943		0.8432	0.3508	0.6621	1.3777	2.5499	4.6206	3.6724	3.5601	0.211	1.38936	2.2409
Nitrogen Oxide	TM11	6	11	30	75	33	720	0.0374	0.4779	1.125	1.0022	1.2798	1.6693	2.9719		0.8666	0.36	0.6794	1.4133	2.6095	4.7474	3.7671	3.6668	0.2152	1.19491	1.92727
Nitrogen Oxide	TM11	6	12	30	74	42	700	0.034	0.4375	1.0067	0.8849	1.1473	1.4727	2.5437		0.7697	0.3115	0.588	1.2153	2.2889	4.0426	3.2482	3.0553	0.2081	1.00043	1.61359
Nitrogen Oxide	TM11	6	13	31	73	42	649	0.0331	0.4269	0.9884	0.869	1.1234	1.44	2.4912		0.7405	0.3044	0.5739	1.1902	2.2416	3.9592	3.1811	2.9922	0.1989	1.03822	1.67455
Nitrogen Oxide	TM11	6	14	31	72	42	600	0.0336	0.4324	0.9944	0.8739	1.1308	1.4501	2.5074		0.7497	0.3068	0.5782	1.1979	2.2563	3.985	3.2019	3.0117	0.2018	1.03258	1.66545
Nitrogen Oxide	TM11	6	15	30	74	41	693	0.0343	0.4418	1.0184	0.8964	1.1605	1.4922	2.5843		0.7795	0.3162	0.5969	1.2345	2.3205	4.1092	3.2909	3.1132	0.2095	1.09708	1.76948
Nitrogen Oxide	TM11	6	16	30	74	44	704	0.0333	0.4293	0.9848	0.8633	1.122	1.4358	2.4678		0.7514	0.3028	0.5711	1.1791	2.2293	3.9181	3.1552	2.9468	0.2065	1.04661	1.68808
Nitrogen Oxide	TM11	6	17	30	75	33	676	0.0374	0.4779	1.125	1.0022	1.2798	1.6693	2.9719		0.8666	0.36	0.6794	1.4133	2.6095	4.7474	3.7671	3.6668	0.2152	1.19229	1.92304
Nitrogen Oxide	TM11	6	18	29	79	33	646	0.037	0.4734	1.1276	1.0051	1.2841	1.6754	2.9822		0.8718	0.3613	0.6822	1.4182	2.6185	4.7638	3.78	3.6794	0.2167	1.17285	1.89169
Nitrogen Oxide	TM11	6	19	29	81	33	688	0.0362	0.4629	1.1158	0.9952	1.2695	1.655	2.9482		0.8535	0.3566	0.6731	1.402	2.5887	4.7096	3.737	3.6376	0.2113	1.22089	1.96917
Nitrogen Oxide	TM11	6	20	28	83	34	478	0.0364	0.4666	1.1154	0.9933	1.273	1.6569	2.9362		0.8652	0.3562	0.6732	1.3976	2.5869	4.6874	3.7255	3.6117	0.2173	0.93828	1.51336
Nitrogen Oxide	TM11	6	21	28	85	34	420	0.0357	0.4551	1.1058	0.9854	1.2582	1.638	2.9405		0.8483	0.3522	0.6649	1.3827	2.5703	4.6576	3.6895	3.5737	0.2126	1.03474	1.66961
Nitrogen Oxide	TM11	6	22	28	86	50	168	0.03	0.386	0.9141	0.7972	1.0413	1.3197	2.2434		0.6884	0.2758	0.5193	1.07	2.0449	3.5522	2.8767	2.6322	0.1965	1.11152	1.79278
Nitrogen Oxide	TM11	6	23	28	87	51	91	0.0294	0.379	0.902	0.7861	1.026	1.2979	2.2039		0.6757	0.271	0.5098	1.0506	2.0112	3.4881	2.8271	2.6106	0.1936	1.37526	2.21817
Nitrogen Oxide	TM11	6	24	28	87	52	69	0.0292	0.3762	0.8948	0.7791	1.0161	1.2843	2.1775		0.6703	0.2681	0.5039	1.0374	1.9891	3.4449	2.7942	2.6056	0.1931	1.54519	2.49224
Nitrogen Oxide	TM11	7	1	28	84	52	35	0.0301	0.3883	0.9084	0.7902	1.0331	1.3068	2.2133		0.691	0.2731	0.5136	1.0543	2.0216	3.5012	2.8398	2.646	0.2002	1.23309	1.98886
Nitrogen Oxide	TM11	7	2	28	84	53	21	0.0301	0.3857	0.9015	0.7834	1.0238	1.2935	2.1872		0.686	0.2705	0.5078	1.0443	2	3.4788	2.8076	2.6391	0.1998	0.9855	1.58932
Nitrogen Oxide	TM11	7	3	28	86	53	19	0.0295	0.3776	0.8925	0.776	1.0129	1.2786	2.1637		0.6722	0.267	0.5014	1.0302	1.9785	3.4218	2.7775	2.6109	0.1951	1.03913	1.67602
Nitrogen Oxide	TM11	7	4	28	86	53	17	0.0295	0.3776	0.8925	0.776	1.0129	1.2786	2.1637		0.6722	0.267	0.5014	1.0302	1.9785	3.4218	2.7775	2.6109	0.1951	1.08758	1.75416
Nitrogen Oxide	TM11	7	5	28	88	53	17	0.0288	0.3696	0.8835	0.7688	1.0019	1.2638	2.1403		0.6585	0.2637	0.4949	1.0191	1.9571	3.3847	2.7474	2.5825	0.1905	0.99412	1.60343
Nitrogen Oxide	TM11	7	6	27	88	53	37	0.0301	0.3856	0.9061	0.7878	1.0304	1.3023	2.2012		0.694	0.2724	0.5116	1.0481	2.0128	3.481	2.8256	2.6561	0.2025	0.79108	1.27594
Nitrogen Oxide	TM11	7	7	28	87	53	85	0.0297	0.3831	0.9066	0.7898	1.0315	1.3056	2.2158		0.6826	0.2728	0.5131	1.0563	2.0221	3.507	2.8424	2.6249	0.196	0.8363	1.34887
Nitrogen Oxide	TM11	7	8	29	82	35	228	0.0353	0.4516	1.0842	0.964	1.2342	1.6025	2.8324		0.8268	0.3434	0.6486	1.3493	2.5034	4.5191	3.5973	3.4735	0.2083	0.74765	1.20589
Nitrogen Oxide	TM11	7	9	30	76	34	595	0.0364	0.4663	1.1025	0.9808	1.2539	1.6315	2.8943		0.8432	0.3508	0.6621	1.3777	2.5499	4.6206	3.6724	3.5601	0.211	1.34655	2.17186
Nitrogen Oxide	TM11	7	10	31	70	34	684	0.0377	0.4839	1.1142	0.99	1.2673	1.6503	2.9252		0.8602	0.3553	0.6703	1.3924	2.5772	4.6699	3.7116	3.5982	0.216	1.40618	2.26803
Nitrogen Oxide	TM11	7	11	31	68	33	720	0.0392	0.5024	1.1439	1.0175	1.302	1.7005	3.0236		0.8948	0.3674	0.6932	1.4378	2.6548	4.83	3.8326	3.7306	0.2234	1.21822	1.96487
Nitrogen Oxide	TM11	7	12	32	67	42	700	0.0345	0.4453	1.001	0.8788	1.1379	1.4601	2.5233		0.7589	0.3093	0.5826	1.2056	2.2706	4.0103	3.2223	3.0309	0.2047	0.99392	1.6031
Nitrogen Oxide	TM11	7	13	32	66	42	649	0.035	0.4513	1.0073	0.8841	1.1457	1.4705	2.5405		0.7685	0.3117	0.5872	1.2138	2.2861	4.0376	3.2443	3.0514	0.2078	1.06148	1.71207
Nitrogen Oxide	TM11	7	14	32	66	42	600	0.035	0.4513	1.0073	0.8841	1.1457	1.4708	2.5405		0.7685	0.3117	0.5872	1.2138	2.2861	4.0376	3.2443	3.0516	0.2078	1.04834	1.69087
Nitrogen Oxide	TM11	7	15	31	68	41	693	0.0356	0.459	1.03	0.9053	1.1735	1.5103	2.6134		0.7961	0.3205	0.6048	1.2484	2.3465	4.1555	3.335	3.1482	0.2143	1.11132	1.79245
Nitrogen Oxide	TM11	7	16	31	69	44	704	0.0341	0.4404	0.9901	0.8671	1.1274	1.4434	2.4798		0.7585	0.3048	0.5745	1.1849	2.2401	3.9372	3.1706	2.9613	0.2088	1.05305	1.69847
Nitrogen Oxide	TM11	7	17	31	69	33	676	0.0382	0.49	1.1305	1.0062	1.2856	1.6774	2.9854		0.8742	0.3622	0.6831	1.4197	2.6213	4.769	3.7841	3.6835	0.2174	1.19914	1.93409
Nitrogen Oxide	TM11	7	18	30	73	33	646	0.0382	0.4893	1.1375	1.0128	1.2952	1.691	3.0079		0.886	0.365	0.689	1.4304	2.6411	4.8049	3.8127	3.7112	0.2209	1.18488	1.91099
Nitrogen Oxide	TM11	7	19	29	76	33	688	0.0382	0.4896	1.1433	1.0203	1.3061	1.7061	3.0331		0.8993	0.3682	0.6957	1.4424	2.6632	4.845	3.8445	3.7422	0.2248	1.29838	2.09365
Nitrogen Oxide	TM11	7	20	29	79	34	478	0.0365	0.4675	1.1112	0.989	1.2659	1.6483	2.9221		0.8579	0.3544	0.6695	1.3908	2.5744	4.6648	3.7076	3.5943	0.2154	0.9344	1.5071
Nitrogen Oxide	TM11	7	21	29	81	34	420	0.0358	0.4571	1.0996	0.9792	1.2515	1.6282	2.8888		0.8398	0.3498	0.6606	1.3751	2.5451	4.6117	3.6653	3.5533	0.21	0.94998	1.53223
Nitrogen Oxide	TM11	7	22	29	82	50	168	0.03	0.3858	0.9097	0.7931	1.0351	1.3112	2.2301		0.681	0.2739	0.5158	1.0637	2.0328	3.5311	2.8596	2.6166	0.194	1.10518	1.78254
Nitrogen Oxide	TM11	7	23	28	83	51	91	0.0306	0.3953	0.9202	0.8011	1.0483	1.3283	2.2519		0.7035	0.2778	0.5229	1.0735	2.055	3.564	2.8886	2.6675	0.203	1.40683	2.26908
Nitrogen Oxide	TM11	7	24	28	83	53	69	0.0301	0.3883	0.9084	0.7902	1.0331	1.3068	2.215		0.691	0.2731	0.5136	1.0543	2.0216	3.5012	2.8398	2.646	0.2002	1.57159	2.53482
Nitrogen Oxide	TM11	8	1	27	90	52	35	0.0295	0.3807	0.9044	0.7807	1.0293	1.3018	2.205		0.6862	0.272	0.5113	1.0505	2.0142	3.4884	2.8295	2.6364	0.1986	1.27745	1.97975
Nitrogen Oxide	TM11	8	2	26	90	53	21	0.0308	0.3951	0.9197	0.7995	1.0478	1.3259	2.2384		0.7155	0.2777	0.5217	1.0657	2.0468	3.5399	2.8734	2.701	0.2099	1.0099	1.62887
Nitrogen Oxide	TM11	8	3	26	91	53	19	0.0305	0.3916	0.9157	0.7962	1.043	1.3193	2.2281		0.7094	0.2762	0.5189	1.0609	2.0373	3.5235	2.8601	2.6885	0.2078	1.07144	1.72813
Nitrogen Oxide	TM11	8	4	26	92	53	17	0.0302	0.3881	0.9117	0.7929	1.0381	1.3128	2.2177		0.7034

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:
(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.
(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Oxide	TM11	10	14	27	59	42	600	0.0421	0.5447	1.1429	1.0005	1.3181	1.7083	2.9228		0.9811	0.364	0.6901	1.3965	2.6301	4.6452	3.7324	3.5106	0.2754	1.21237	1.95544
Nitrogen Oxide	TM11	10	15	27	60	41	693	0.0423	0.5461	1.1513	1.0095	1.3275	1.7228	2.9565		0.9863	0.3676	0.6971	1.4123	2.6546	4.701	3.7728	3.5615	0.2744	1.26316	2.03735
Nitrogen Oxide	TM11	10	16	27	62	44	704	0.0404	0.5223	1.1044	0.9646	1.2725	1.6422	2.7984		0.937	0.3482	0.6605	1.337	2.5279	4.443	3.5779	3.3416	0.2663	1.19422	1.92616
Nitrogen Oxide	TM11	10	17	26	65	43	676	0.0458	0.5876	1.2715	1.1298	1.4656	1.93	3.4037		1.0982	0.4189	0.7941	1.6186	2.9886	5.4371	4.3143	4.1996	0.2832	1.37439	2.21676
Nitrogen Oxide	TM11	10	18	25	67	33	646	0.0462	0.5926	1.2806	1.1384	1.478	1.9474	3.4325		1.1133	0.4232	0.8017	1.6323	3.0139	5.4832	4.3509	4.2351	0.2877	1.35987	2.19334
Nitrogen Oxide	TM11	10	19	25	69	33	688	0.0455	0.5846	1.2715	1.1305	1.4666	1.9314	3.406		1.099	0.4195	0.7946	1.6197	2.9906	5.4408	4.3172	4.2023	0.2835	1.42011	2.29049
Nitrogen Oxide	TM11	10	20	25	71	34	478	0.0443	0.5694	1.2441	1.1047	1.4345	1.8842	3.3113		1.0675	0.4081	0.773	1.5762	2.9173	5.2862	4.2014	4.073	0.2776	1.06576	1.71897
Nitrogen Oxide	TM11	10	21	24	71	34	420	0.0454	0.5837	1.2629	1.1214	1.4588	1.9183	3.3675		1.0975	0.4161	0.7878	1.6029	2.9668	5.3759	4.2727	4.1422	0.2865	1.1152	1.7987
Nitrogen Oxide	TM11	10	22	24	71	50	168	0.0385	0.4981	1.0515	0.9125	1.2135	1.534	2.6147		0.9017	0.3286	0.6202	1.2471	2.3833	4.14	3.3528	3.0678	0.2681	1.30633	2.1073
Nitrogen Oxide	TM11	10	23	24	72	51	91	0.0379	0.4912	1.0395	0.9012	1.1978	1.5314	2.5732		0.8888	0.3238	0.6103	1.2267	2.3482	4.0727	3.3008	3.0482	0.2655	1.61718	2.60836
Nitrogen Oxide	TM11	10	24	24	72	52	69	0.0377	0.4877	1.0315	0.8931	1.1868	1.5153	2.5424		0.882	0.3203	0.6032	1.2112	2.3225	4.0222	3.2624	3.0399	0.265	1.81571	2.92857
Nitrogen Oxide	TM11	11	1	21	75	52	35	0.0399	0.5174	1.0667	0.9223	1.2304	1.5778	2.6357		0.9524	0.335	0.6312	1.2557	2.4077	4.1698	3.3823	3.1515	0.2906	1.49351	2.40888
Nitrogen Oxide	TM11	11	2	21	74	53	21	0.04	0.5162	1.0617	0.9168	1.2229	1.5664	2.6125		0.9501	0.3326	0.6262	1.2438	2.3888	4.1314	3.3536	3.1523	0.2916	1.20073	1.93666
Nitrogen Oxide	TM11	11	3	21	74	53	19	0.04	0.5162	1.0617	0.9168	1.2229	1.5664	2.6125		0.9501	0.3326	0.6262	1.2438	2.3888	4.1314	3.3536	3.1523	0.2916	1.27501	2.05647
Nitrogen Oxide	TM11	11	4	21	74	53	17	0.04	0.5162	1.0617	0.9168	1.2229	1.5664	2.6125		0.9501	0.3326	0.6262	1.2438	2.3888	4.1314	3.3536	3.1523	0.2916	1.33134	2.14731
Nitrogen Oxide	TM11	11	5	21	74	53	17	0.04	0.5162	1.0617	0.9168	1.2229	1.5664	2.6125		0.9501	0.3326	0.6262	1.2438	2.3888	4.1314	3.3536	3.1523	0.2916	1.23819	1.99708
Nitrogen Oxide	TM11	11	6	21	73	53	37	0.0402	0.5185	1.0645	0.9192	1.2264	1.5712	2.62		0.9546	0.3338	0.6283	1.2474	2.3957	4.1434	3.3633	3.1614	0.2931	0.95226	1.53591
Nitrogen Oxide	TM11	11	7	21	73	51	85	0.0406	0.526	1.0809	0.9354	1.2491	1.6044	2.6832		0.9689	0.3408	0.6427	1.279	2.4485	4.2466	3.4419	3.1783	0.2944	1.02347	1.65076
Nitrogen Oxide	TM11	11	8	21	70	35	228	0.0483	0.6221	1.3002	1.1511	1.5077	1.9889	3.4601		1.1865	0.4321	0.8189	1.6483	3.0582	5.5204	4.3943	4.2431	0.3184	0.93424	1.50683
Nitrogen Oxide	TM11	11	9	22	66	34	595	0.0488	0.6284	1.3172	1.1681	1.527	2.0168	3.525		1.1958	0.4388	0.8318	1.6778	3.1055	5.6272	4.4724	4.3357	0.3169	1.65577	2.67059
Nitrogen Oxide	TM11	11	10	23	61	34	684	0.0491	0.6319	1.321	1.1711	1.5316	2.0215	3.5353		1.1943	0.4396	0.8335	1.6828	3.1147	5.6439	4.4858	4.3486	0.3159	1.71128	2.76258
Nitrogen Oxide	TM11	11	11	25	57	33	720	0.0492	0.6321	1.3265	1.1777	1.5353	2.0276	3.5652		1.1848	0.4413	0.837	1.6954	3.1305	5.6952	4.5192	4.3988	0.3088	1.44582	2.33197
Nitrogen Oxide	TM11	11	12	25	56	42	700	0.0445	0.5753	1.1855	1.0376	1.373	1.7837	3.0445		1.0484	0.3813	0.7229	1.4546	2.7395	4.8385	3.8877	3.6568	0.2969	1.20861	1.94936
Nitrogen Oxide	TM11	11	13	25	56	42	649	0.0445	0.5753	1.1855	1.0376	1.373	1.7837	3.0445		1.0484	0.3813	0.7229	1.4546	2.7395	4.8385	3.8877	3.6568	0.2969	1.28066	2.06558
Nitrogen Oxide	TM11	11	14	26	56	42	600	0.0438	0.566	1.1715	1.0252	1.3547	1.7586	3.0039		1.026	0.3755	0.7119	1.4352	2.703	4.7741	3.8359	3.6081	0.2897	1.24736	2.01187
Nitrogen Oxide	TM11	11	15	26	57	41	693	0.0439	0.5679	1.1806	1.0348	1.3649	1.7743	3.0395		1.0323	0.3794	0.7195	1.452	2.7293	4.8333	3.879	3.6616	0.2888	1.30001	2.0968
Nitrogen Oxide	TM11	11	16	25	58	44	704	0.0453	0.5871	1.2158	1.0654	1.4329	1.8623	3.1977		1.0114	0.3676	0.6964	1.4207	2.6483	4.6547	3.7483	3.5087	0.2905	1.25336	2.02154
Nitrogen Oxide	TM11	11	17	24	63	33	676	0.0483	0.6205	1.3158	1.1692	1.5229	2.0102	3.5365		1.1689	0.4377	0.8293	1.6817	3.1052	5.6493	4.4827	4.3634	0.3041	1.43025	2.30685
Nitrogen Oxide	TM11	11	18	23	66	33	646	0.0485	0.623	1.3201	1.173	1.5286	2.0195	3.5497		1.1819	0.44	0.8337	1.6879	3.1168	5.6702	4.4993	4.3796	0.3085	1.40881	2.27227
Nitrogen Oxide	TM11	11	19	23	70	33	688	0.0474	0.6093	1.304	1.1592	1.5084	1.9913	3.5028		1.1566	0.4336	0.8212	1.6657	3.0757	5.5955	4.44	4.3218	0.301	1.46247	2.35882
Nitrogen Oxide	TM11	11	20	22	70	34	478	0.0479	0.616	1.3024	1.1553	1.5084	1.9907	3.4819		1.1722	0.4329	0.8202	1.6573	3.0676	5.5586	4.4179	4.2829	0.3099	1.12411	1.81308
Nitrogen Oxide	TM11	11	21	22	72	34	420	0.0474	0.6097	1.2949	1.149	1.4991	1.9775	3.4604		1.1604	0.4299	0.8145	1.6471	3.0487	5.5242	4.3906	4.2564	0.3064	1.14796	1.85156
Nitrogen Oxide	TM11	11	22	22	74	50	168	0.0397	0.5151	1.0723	0.9297	1.2394	1.5912	2.6701		0.944	0.3374	0.6368	1.2735	2.4338	4.2278	3.4239	3.1328	0.2834	1.13641	2.1555
Nitrogen Oxide	TM11	11	23	22	74	51	91	0.0395	0.5112	1.0637	0.9211	1.2277	1.5742	2.6373		0.9363	0.3337	0.6293	1.2572	2.4067	4.1741	3.3831	3.1241	0.2827	1.66032	2.67793
Nitrogen Oxide	TM11	11	24	21	74	52	69	0.0401	0.5198	1.0696	0.9247	1.2341	1.5827	2.6431		0.9569	0.3361	0.6332	1.2594	2.4147	4.182	3.3921	3.1606	0.2921	1.89259	3.05256
Nitrogen Oxide	TM11	12	1	16	68	52	35	0.0477	0.6211	1.1481	0.9848	1.3233	1.7114	2.8347		1.1034	0.3676	0.6907	1.3505	2.5895	4.4847	3.6376	3.3895	0.3457	1.62617	2.62286
Nitrogen Oxide	TM11	12	2	16	69	53	21	0.0474	0.6147	1.1376	0.9746	1.3089	1.6902	2.7962		1.0923	0.3632	0.6816	1.3313	2.5568	4.4219	3.5894	3.3739	0.3438	1.30561	2.10582
Nitrogen Oxide	TM11	12	3	16	69	53	19	0.0474	0.6147	1.1376	0.9746	1.3089	1.6902	2.7962		1.0923	0.3632	0.6816	1.3313	2.5568	4.4219	3.5894	3.3739	0.3438	1.28306	2.06974
Nitrogen Oxide	TM11	12	4	15	70	53	17	0.0488	0.6321	1.1466	0.9806	1.3178	1.704	2.8152		1.1108	0.3669	0.6879	1.3404	2.5743	4.4521	3.6139	3.397	0.3509	1.45316	2.3438
Nitrogen Oxide	TM11	12	5	15	70	53	17	0.0488	0.6321	1.1466	0.9806	1.3178	1.704	2.8152		1.1108	0.3669	0.6879	1.3404	2.5743	4.4521	3.6139	3.397	0.3509	1.35801	2.19034
Nitrogen Oxide	TM11	12	6	15	70	53	37	0.0488	0.6321	1.1466	0.9806	1.3178	1.704	2.8152		1.1108	0.3669	0.6879	1.3404	2.5743	4.4521	3.6139	3.397	0.3509	1.03846	1.67494
Nitrogen Oxide	TM11	12	7	15	70	51	85	0.0492	0.6412	1.1639	0.998	1.3421	1.7401	2.8832		1.1272	0.3746	0.7036	1.3744	2.631	4.5631	3.6984	3.4152	0.3524	1.11502	1.79841
Nitrogen Oxide	TM11	12	8	15	69	35	228	0.058	0.7503	1.389	1.2208	1.609	2.1422	3.6927		1.363	0.4705	0.8886	1.7591	3.2637	5.8915	4.6898	4.5284	0.3762	1.02248	1.64916
Nitrogen Oxide	TM11	12	9	16	65	34	595	0.0578	0.7461	1.4058	1.239	1.6302	2.1227	3.6729		1.3742	0.4775	0.9026	1.7911	3.3151	6.0071	4.7423	4.6265	0.3746	1.26386	2.0772
Nitrogen Oxide	TM11	12	10	17	62	34	684	0.0566	0.7314	1.4012	1.2363	1.6261	2.1651	3.7537		1.3608	0.475	0.8989	1.7868	3.3071	5.9925	4.7628	4.6173	0.3698	1.83247	2.9556
Nitrogen Oxide	TM11	12	11	18	58	33	720	0.0566	0.7294	1.4202	1.2566	1.6498	2.1992	3.8313		1.3745	0.4813	0.9146	1.8219	3.364	6.1201	4.8564	4.727	0.3689	1.56549	2.52499
Nitrogen Oxide	TM11	12	12	19	56	42	700	0.0496	0.6432	1.2566	1.097	1.4606	1.9122	3.2388		1.1905	0.4123	0.7803	1.5474	2.9144	5.1473	4.1359	3.8902	0.3456	1.29387	2.08688
Nitrogen Oxide	TM11	12	13	19	56	42	649	0.0498	0.6459	1.2594	1.0994	1.4641	1.9171	3.2465		1.195	0.4133	0.7824	1.5511	2.9213	5.1595	4.1457	3.8995	0.347	1.37392	2.216
Nitrogen Oxide	TM11	12	14	19	56	42	600	0.0498	0.6459	1.2594	1.0994	1.4641	1.9171	3.2465		1.195	0.4133	0.7824	1.5511	2.9213	5.1595	4.1457	3.8995	0.347	1.18815	1.35665
Nitrogen Oxide	TM11	12	15	19	56	41	693	0.0504	0.6523	1.2738	1.1136	1.481	1.9424	3.2982		1.21	0.4194	0.7942	1.5756	2.9616	5.2445	4.209	3.9732	0.3485	1.41935	2.28927
Nitrogen Oxide	TM11	12	16	19	57	44	704	0.0487	0.6311	1.2294	1.0701	1.4286	1.8642	3.1421		1.1628	0.4008	0.7582	1.5013	2.8384	4.9888	4.0174	3.752	0.343	1.3516	2.18
Nitrogen Oxide	TM11	12	17	18	60	33	676	0.0562	0.7238	1.4144	1.2515	1.6425	2.1889	3.8143		1.365	0.4806	0.9101	1.8139	3.4092	6.0931	4.8349	4.7062	0.366	1.55547	2.50882
Nitrogen Oxide	TM11	12	18	18	64	33	646	0.0553	0.7127	1.4025	1.2415	1.6279	2.1683	3.7805		1.3461	0.476	0.901	1.7978	3.3195	6.0391	4.7919	4.6644	0.3604	1.51167	2.43818
Nitrogen Oxide	TM11	12	19	17	65	33	688	0.0568	0.7327	1.4133	1.2495	1.6395	2.1864	3.8073		1.3692	0.4807	0.9094	1.8105	3.343	6.0817	4.8258	4.6974	0.368	1.60406	2.5872
Nitrogen Oxide	TM11	12	20	17	66	34	478	0.0559	0.7209	1.3902	1.2271	1.6127	2.1492	3.7226		1.3432	0.4706	0.8906	1.7719	3.2798	5.943	4.7234	4.579	0.3645	1.21474	1.95926
Nitrogen Oxide	TM11	12	21	17	66	34	420	0.0559	0.7209	1.3902	1.2271	1.6127	2.1462	3.7226		1.3432	0.4706	0.8906	1.7719	3.2798	5.943	4.7234	4.579	0.3645	1.24783	2.01263
Nitrogen Oxide	TM11	12	22	16	66	50	168	0.0488	0.6346	1.1706	1.0063	1.3534	1.7556	2.9161		1.1276	0.3772	0.71	1.3909	2.658	4.6173	3.7392	3.4214	0.3496	1.47604	2.3807
Nitrogen Oxide	TM11	12	23	16	66	51	91	0.0484	0.6299	1.1614	0.997	1.3408	1.7367	2.8803		1.1186	0.3732	0.7017	1.373	2.6283	4.5586	3.6947	3.4118	0.3487	1.82721	2.94712
Nitrogen Oxide	TM11	12	24	16	67	52	69	0.0478	0.6232	1.1503	0.9864	1.3296	1.7249	2.8402		1.1067	0.3685	0.6923	1.3531	2.5946	4.4933	3.6447	3.396	0.3468	2.04406	3.29687
Nitrogen Oxide	TM12	1	1	17	76	31	5	0.0562	0.7221	1.4254	1.2662	1.6508	2.208	3.8834		1.3641	0.4876	0.9211	1.8425	3.3849	6.2113	4.9117	4.8212	0.3579	0.18938	0.30545
Nitrogen Oxide	TM12	1	2	17	76	31	3	0.056	0.7195	1.4226	1.2638	1.6473	2.203	3.8751		1.3594	0.4863	0.9189	1.8386	3.3777	6.1981	4.9013	4.8109	0.3564	0.22188	0.35786
Nitrogen Oxide	TM12	1	3	17	77	31	4	0.056	0.7195	1.4226	1.2638	1.6473	2.203	3.875		1.3594	0.4863	0.9189	1.8386	3.3777	6.1981	4.9013	4.8109	0.3564	0.28775	0.4254
Nitrogen Oxide	TM12	1	4	17	77	31	4	0.056	0.7195	1.4226	1.2638	1.6473	2.203	3.875		1.3594	0.4863	0.9189	1.8386	3.3777	6.1981	4.9013	4.8109	0.3564	0.22188	0.35786
Nitrogen Oxide	TM12	1	5	17	78	31	4	0.0558	0.7167	1.4197	1.2614	1.6438	2.198	3.8668		1.3549	0.4852	0.9166	1.8347	3.3705	6.1849	4.8908	4.8006	0.3551	0.22102	0.35649
Nitrogen Oxide	TM12	1	6	17	77	31	7	0.056	0.7195	1.4226	1.2638	1.6473	2.203	3.875		1.3594	0.4863	0.9189	1.8386	3.3777	6.1981	4.9013	4.8109	0.3564	0.74589	1.20304
Nitrogen Oxide	TM12	1	7	17	77	31	10	0.0579	0.7445	1.4581	1.2758	1.6447	2.2298	3.916		1.3905	0.4932	0.9311	1.858	3.4134	6.2636	4.9453	4.8617	0.3602	0.1858	1.32756
Nitrogen Oxide	TM12	1	8	17	77	31	35	0.056	0.7195	1.4226	1.2638	1.6473	2.203	3.875		1.3594	0.4863	0.9189	1.8386	3.3777	6.1981	4.9013	4.8109	0.3564	1.44328	2.32788
Nitrogen Oxide	TM12	1	9	17	73	31	88	0.0568	0.7303	1.434	1.2735	1.6613	2.2231	3.9081		1.378	0.491	0.9277	1.8543	3.4065	6.251	4.943	4.852	0.3619	2.27862	3.67519
Nitrogen Oxide	TM12	1	10	19	69	31	94	0.0541	0.6938	1.415	1.2594	1.6412	2.1906	3.8608		1.3357	0.4824	0.9126	1.8318	3.3652	6.1753	4.8832	4.7932	0.3482	2.2921	3.69694
Nitrogen Oxide	TM12	1	11	20	64	31	76	0.0535	0.6863	1.416	1.2613	1.6439	2.1926	3.8672		1.3315	0.4824	0.9131	1.8348	3.3708	6.1855	4.8913	4.8012	0.3462	1.8784	3.02968
Nitrogen Oxide	TM12	1	12	21	62	31	72	0.0528	0.678	1.4084	1.2549	1.6347	2.1777	3.8455		1.3119	0.4785	0.9062	1.8245	3.3519	6.1508	4.8639	4.7741	0.3398	1.88571	3.04147
Nitrogen Oxide	TM12	1	13	21	62	31	67	0.053	0.6809	1.4142	1.258	1.6393	2.1843	3.8562		1.3177	0.4801	0.9091	1.8296	3.3612	6.168	4.8774	4.7875	0.3415	1.90416	3.06477
Nitrogen Oxide	TM12	1	14	21	62	31	64	0.0528	0.678	1.4084	1.2549	1.6347	2.1777	3.8455		1.3119	0.4785	0.9062	1.8245	3.3519	6.1508	4.8639	4.7741	0.3398	1.86259	3.00418
Nitrogen Oxide	TM12	1	15	21	62	31	74	0.0528	0.678	1.4084	1.2549	1.6347	2.1777	3.8455		1.3119	0.4785	0.9062	1.8245	3.3519	6.1508	4.8639	4.7741	0.3398	1.86489	3.00788
Nitrogen Oxide	TM12	1	16	21	63	31	72	0.0526	0.6751	1.4049	1.2517	1.6301	2.1712	3.8347		1.306	0.477	0.9034	1.8195	3.3426	6.1356	4.8502	4.7608	0.3381	1.88032	3.03277
Nitrogen Oxide	TM12	1	17	20	67	31	65	0.0527	0.6768	1.4056	1.2524	1.6311	2.1744	3.837		1.3149	0.4781	0.9051	1.8205	3.3445	6.1372	4.8531	4.7637	0.3414	1.74486	2.81429
Nitrogen Oxide	TM12	1	18	19	72	31	74	0.0533	0.6847	1.4053	1.2511	1.6295	2.1716	3.8325		1.3203	0.4785	0.9051	1.8184	3.3406	6.13	4.8474	4.7385	0.3406	1.86036	3.00058
Nitrogen Oxide	TM12	1	19	18	74	31	74	0.0547	0.703	1.4154	1.2587	1.6401	2.1909	3.858		1.3421	0.4833	0.9131	1.8305	3.3629	6.1709	4.8798	4.7898	0.3507	1.87503	3.02424
Nitrogen Oxide	TM12	1	20	18	74	31	57	0.0547	0.703	1.4154	1.2587	1.6401	2.1909	3.858		1.3421	0.4833	0.9131	1.8305	3.3629	6.1709	4.8798	4.7898	0.3507	1.6208	2.6142
Nitrogen Oxide	TM12	1	21	18	75	31	45	0.0545	0.7001	1.4124	1.2562	1.6363	2.1855	3.8493		1.3372	0.4818	0.9108	1.8264	3.3552	6.1568	4.8686	4.7788	0.3493	1.50573	2.42859
Nitrogen Oxide	TM12	1	22	18	76	31	17	0.0543	0.6973	1.4093	1.2536	1.6325	2.1802	3.8404		1.3323	0.4805	0.9083	1.8221	3.3475	6.1427	4.8574	4.7679	0.3478	0.50395	0.81283
Nitrogen Oxide	TM12	1	23	18	75	31	13	0.0545	0.7001	1.4124	1.2562	1.6363	2.1855	3.8493		1.3372	0.4818	0.9108	1.8264	3.3552	6.1568	4.8686	4.7788	0.3493	0.30281	0.4884
Nitrogen Oxide	TM12	1	24	17	76	31	3	0.0562	0.7221	1.4254	1.2662	1.6508	2.208	3.8834		1.3641	0.4876	0.9211	1.8425	3.3849	6.2113	4.9117	4.8212	0.3579	0.09065	0.14623
Nitrogen Oxide	TM12	2	1	17	78	31	5	0.0558	0.7167	1.4197	1.2614	1.6438	2.198	3.8668		1.3549	0.4852	0.9166	1.8347	3.3705	6.1849	4.8908	4.8006	0.3551	0.18798	0.30319
Nitrogen Oxide	TM12	2	2	17	80	31	4	0.0553	0.7113	1.4141	1.2565	1.6368	2.188	3.8502		1.3457	0.4829	0.9122	1.8269	3.3561	6.1585	4.8699	4.7802	0.3525	0.2193	0.35371
Nitrogen Oxide	TM12	2	3	17	81	31	4	0.0551	0.7086	1.4112	1.2541	1.6332	2.1833	3.842		1.341	0.4818	0.91	1.8229	3.3489	6.1453	4.8594	4.7699	0.3511	0.38185	0.61589
Nitrogen Oxide	TM12	2	4	17	82	31	4	0.0549	0.7058	1.4084	1.2516	1.6297	2.178	3.8338		1.3364	0.4807	0.9077	1.819	3.3417	6.1321	4.849	4.7596	0.3498	0.21762	0.35101
Nitrogen Oxide	TM12	2	5	16	83	31	4	0.0566	0.729	1.4221	1.2622	1.6449	2.2016	3.8696		1.3644	0.4867	0.9186	1.836	3.3729	6.1894	4.8943	4.8041	0.3586	0.2247	0.36242
Nitrogen Oxide	TM12	2	6	16	83	31	7	0.0566	0.729	1.4221	1.2622	1.6449	2.2016	3.8696		1.3644	0.4867	0.9186	1.836	3.3729	6.1894	4.8943	4.8041	0.3586	0.74686	1.20461
Nitrogen Oxide	TM12	2	7	16	83	31	10	0.0566	0.729	1.4221	1.2622	1.6449	2.2016	3.8696		1.3644	0.4867	0.9186	1.836	3.3729	6.1894	4.8943	4.8041	0.3586	0.81288	1.3111
Nitrogen Oxide	TM12	2	8	17	81	31	35	0.0551	0.7086	1.4112	1.2541	1.6332	2.183	3.842		1.341	0.4818	0.91	1.8229	3.3489	6.1453	4.8594	4.7699	0.3511	1.43035	2.30701
Nitrogen Oxide	TM12	2	9	18	77	31	88	0.0541	0.6944	1.4063	1.2509	1.6288	2.1749	3.8316

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:

(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.

(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Oxide	TM12	4	19	22	76	31	74	0.0485	0.6208	1.3391	1.1948	1.5476	2.0529	3.6407		1.1938	0.4497	0.8507	1.7274	3.1734	5.8233	4.6049	4.52	0.3049	1.76288	2.84336
Nitrogen Oxide	TM12	4	20	21	79	31	57	0.0489	0.6276	1.3467	1.2013	1.5571	2.0679	3.6629		1.2127	0.4535	0.8576	1.7379	3.1927	5.8587	4.6328	4.5474	0.311	1.77216	2.85816
Nitrogen Oxide	TM12	4	21	21	80	31	45	0.0488	0.6246	1.3431	1.1982	1.5525	2.0614	3.6521		1.2069	0.4519	0.8547	1.7328	3.1833	5.8415	4.6192	4.5341	0.3094	1.76643	2.84944
Nitrogen Oxide	TM12	4	22	21	81	31	17	0.0485	0.6216	1.3394	1.1955	1.5481	2.0551	3.6414		1.2011	0.4504	0.8521	1.7277	3.1739	5.8242	4.6057	4.5207	0.3077	1.76035	2.84002
Nitrogen Oxide	TM12	4	23	21	82	31	13	0.0483	0.6185	1.3358	1.1918	1.5433	2.0485	3.6306		1.1951	0.449	0.8491	1.7226	3.1646	5.807	4.592	4.5074	0.306	0.26761	0.43163
Nitrogen Oxide	TM12	4	24	21	82	31	2	0.0495	0.6352	1.3546	1.2082	1.5669	2.0835	3.6886		1.2323	0.4574	0.8649	1.7489	3.2129	5.8957	4.6621	4.5762	0.3174	0.0495	0.07984
Nitrogen Oxide	TM12	5	1	26	91	31	5	0.0382	0.4875	1.1798	1.0566	1.3474	1.7678	3.1696		0.9305	0.3838	0.7243	1.5039	2.7628	5.0699	4.009	3.9352	0.2279	0.12806	0.20655
Nitrogen Oxide	TM12	5	2	25	92	31	4	0.0395	0.5048	1.2021	1.0762	1.3759	1.808	3.2367		0.9659	0.3931	0.7419	1.5357	2.8213	5.1771	4.0939	4.0184	0.2382	0.15582	0.25133
Nitrogen Oxide	TM12	5	3	25	92	31	4	0.0395	0.5048	1.2021	1.0762	1.3759	1.808	3.2367		0.9659	0.3931	0.7419	1.5357	2.8213	5.1771	4.0939	4.0184	0.2382	0.27215	0.43895
Nitrogen Oxide	TM12	5	4	25	91	31	4	0.0398	0.5091	1.2069	1.0803	1.3818	1.8162	3.2506		0.9734	0.395	0.7457	1.5423	2.8333	5.1992	4.1113	4.0356	0.2403	0.15713	0.25343
Nitrogen Oxide	TM12	5	5	25	92	31	4	0.0395	0.5048	1.2021	1.0762	1.3759	1.808	3.2367		0.9659	0.3931	0.7419	1.5357	2.8213	5.1771	4.0939	4.0184	0.2382	0.15582	0.25133
Nitrogen Oxide	TM12	5	6	25	93	31	7	0.0392	0.5007	1.1974	1.0722	1.37	1.7996	3.2228		0.9586	0.3912	0.7383	1.5292	2.8091	5.1549	4.0763	4.0012	0.236	0.60827	0.98108
Nitrogen Oxide	TM12	5	7	26	91	31	10	0.0382	0.4875	1.1798	1.0566	1.3474	1.7678	3.1696		0.9305	0.3838	0.7243	1.5039	2.7628	5.0699	4.009	3.9352	0.2279	0.65837	1.06189
Nitrogen Oxide	TM12	5	8	27	85	31	35	0.0387	0.4941	1.1835	1.0592	1.3512	1.7731	3.1786		0.9357	0.3849	0.7267	1.5081	2.7706	5.084	4.0202	3.9461	0.2293	1.17131	1.8892
Nitrogen Oxide	TM12	5	9	28	80	31	88	0.0392	0.4998	1.1843	1.0591	1.351	1.7729	3.1781		0.9358	0.3849	0.7267	1.5079	2.7702	5.0834	4.0198	3.9457	0.2294	1.84273	2.97214
Nitrogen Oxide	TM12	5	10	28	78	31	94	0.0399	0.5101	1.1957	1.0689	1.3652	1.7928	3.2114		0.9536	0.3894	0.7354	1.5238	2.7993	5.1367	4.062	3.9871	0.2346	1.8998	3.06419
Nitrogen Oxide	TM12	5	11	29	77	31	76	0.0389	0.4971	1.1749	1.0504	1.3384	1.7551	3.1484		0.9203	0.3809	0.7188	1.4939	2.7443	5.0359	3.9822	3.9088	0.2249	1.52204	2.4549
Nitrogen Oxide	TM12	5	12	29	75	31	72	0.0397	0.5081	1.1871	1.0608	1.3535	1.7763	3.1839		0.9391	0.3857	0.7282	1.5106	2.7752	5.0925	4.027	3.9528	0.2304	1.55543	2.50875
Nitrogen Oxide	TM12	5	13	29	74	31	67	0.0402	0.5136	1.1931	1.066	1.3609	1.7869	3.2015		0.9487	0.3881	0.7329	1.519	2.7906	5.1209	4.0493	3.9747	0.233	1.57165	2.53492
Nitrogen Oxide	TM12	5	14	29	75	31	64	0.0397	0.5081	1.1871	1.0608	1.3535	1.7763	3.1839		0.9391	0.3857	0.7282	1.5106	2.7752	5.0925	4.027	3.9528	0.2304	1.53578	2.47706
Nitrogen Oxide	TM12	5	15	29	75	31	74	0.0397	0.5081	1.1871	1.0608	1.3535	1.7763	3.1839		0.9391	0.3857	0.7282	1.5106	2.7752	5.0925	4.027	3.9528	0.2304	1.53793	2.48053
Nitrogen Oxide	TM12	5	16	29	77	31	72	0.0389	0.4971	1.1749	1.0504	1.3384	1.7551	3.1484		0.9203	0.3809	0.7188	1.4939	2.7443	5.0359	3.9822	3.9088	0.2249	1.53741	2.4797
Nitrogen Oxide	TM12	5	17	28	78	31	65	0.0399	0.5101	1.1957	1.0689	1.3652	1.7928	3.2114		0.9536	0.3894	0.7354	1.5238	2.7993	5.1367	4.062	3.9871	0.2346	1.45273	2.34312
Nitrogen Oxide	TM12	5	18	28	81	31	74	0.0388	0.4949	1.1786	1.0542	1.3439	1.7629	3.1615		0.9269	0.3826	0.7222	1.5	2.7557	5.0567	3.9987	3.925	0.2269	1.52566	2.46075
Nitrogen Oxide	TM12	5	19	27	84	31	74	0.0391	0.4988	1.1888	1.0638	1.3578	1.7826	3.1942		0.9441	0.3871	0.7309	1.5156	2.7843	5.1091	4.0401	3.9657	0.2318	1.54106	2.48558
Nitrogen Oxide	TM12	5	20	27	87	31	52	0.038	0.4847	1.1728	1.05	1.3379	1.7544	3.1471		0.9189	0.3806	0.7184	1.4932	2.7432	5.0339	3.9806	3.9073	0.2246	1.30919	2.1116
Nitrogen Oxide	TM12	5	21	27	88	31	43	0.0377	0.4814	1.1674	1.0454	1.3312	1.745	3.1315		0.9105	0.3785	0.7142	1.4858	2.7295	5.0088	3.9607	3.8878	0.2221	1.16116	1.95672
Nitrogen Oxide	TM12	5	22	26	89	31	17	0.0389	0.4963	1.1898	1.0652	1.36	1.7854	3.1992		0.9463	0.3879	0.7321	1.5179	2.7885	5.117	4.0463	3.9718	0.2325	0.38624	0.62296
Nitrogen Oxide	TM12	5	23	26	89	31	13	0.0389	0.4963	1.1898	1.0652	1.36	1.7854	3.1992		0.9463	0.3879	0.7321	1.5179	2.7885	5.117	4.0463	3.9718	0.2325	0.21482	0.34649
Nitrogen Oxide	TM12	5	24	26	90	31	2	0.0385	0.4919	1.1848	1.0609	1.3537	1.7766	3.1844		0.9384	0.3858	0.7282	1.5109	2.7757	5.0934	4.0277	3.9535	0.2302	0.0385	0.0621
Nitrogen Oxide	TM12	6	1	28	88	31	5	0.036	0.4601	1.1387	1.02	1.2943	1.693	3.0449		0.8646	0.3667	0.6914	1.4447	2.654	4.8702	3.8511	3.7802	0.2089	0.12082	0.19487
Nitrogen Oxide	TM12	6	2	27	89	31	4	0.0373	0.4753	1.1621	1.0408	1.3245	1.7355	3.1158		0.9021	0.3764	0.7101	1.4784	2.7159	4.9837	3.941	3.8683	0.2197	0.1468	0.23677
Nitrogen Oxide	TM12	6	3	27	89	31	4	0.0373	0.4753	1.1621	1.0408	1.3245	1.7355	3.1158		0.9021	0.3764	0.7101	1.4784	2.7159	4.9837	3.941	3.8683	0.2197	0.2563	0.41339
Nitrogen Oxide	TM12	6	4	27	88	31	4	0.0377	0.48	1.1674	1.0454	1.3312	1.745	3.1315		0.9105	0.3785	0.7142	1.4858	2.7295	5.0088	3.9607	3.8878	0.2221	0.14828	0.23915
Nitrogen Oxide	TM12	6	5	27	89	31	4	0.0373	0.4753	1.1621	1.0408	1.3245	1.7355	3.1158		0.9021	0.3764	0.7101	1.4784	2.7159	4.9837	3.941	3.8683	0.2197	0.1468	0.23677
Nitrogen Oxide	TM12	6	6	27	90	31	7	0.0369	0.4706	1.1566	1.0362	1.3178	1.7261	3.1001		0.8938	0.3743	0.706	1.4709	2.7022	4.9586	3.9211	3.8488	0.2173	0.58456	0.94283
Nitrogen Oxide	TM12	6	7	28	87	31	10	0.0364	0.4651	1.1444	1.0249	1.3014	1.703	3.0615		0.8735	0.3689	0.6958	1.4526	2.6686	4.8968	3.8722	3.8008	0.2115	0.63702	1.02745
Nitrogen Oxide	TM12	6	8	28	85	31	35	0.0368	0.4699	1.1486	1.0244	1.3088	1.7121	3.0599		0.8729	0.3689	0.6954	1.4519	2.6671	4.8943	3.8702	3.7989	0.2113	1.81881	2.93116
Nitrogen Oxide	TM12	6	9	29	79	31	88	0.038	0.486	1.1627	1.04	1.3234	1.7339	3.113		0.9013	0.3761	0.7095	1.4771	2.7134	4.9792	3.9374	3.8649	0.2195	1.80476	2.91091
Nitrogen Oxide	TM12	6	10	30	76	31	94	0.0379	0.4847	1.1536	1.0314	1.3108	1.7162	3.0835		0.8859	0.3723	0.7017	1.463	2.6877	4.9321	3.9001	3.8282	0.215	1.82393	2.94182
Nitrogen Oxide	TM12	6	11	30	75	31	76	0.0384	0.4906	1.1601	1.0369	1.3187	1.7274	3.1023		0.8959	0.3748	0.7067	1.4719	2.7041	4.9621	3.9239	3.8515	0.2178	1.5001	2.41952
Nitrogen Oxide	TM12	6	12	30	74	31	72	0.0389	0.4965	1.1665	1.0424	1.3268	1.7387	3.1211		0.906	0.3774	0.7117	1.4809	2.7205	4.9922	3.9476	3.8749	0.2208	1.52487	2.45946
Nitrogen Oxide	TM12	6	13	31	73	31	67	0.0379	0.4844	1.1452	1.0235	1.2994	1.7001	3.0567		0.8718	0.3689	0.6947	1.4502	2.6643	4.8891	3.8661	3.7948	0.2169	1.50027	2.4198
Nitrogen Oxide	TM12	6	14	31	72	31	64	0.0384	0.4817	1.1521	1.0293	1.3077	1.7121	3.0766		0.8825	0.3717	0.6999	1.4617	2.6827	4.921	3.8935	3.8195	0.2184	1.48452	2.39439
Nitrogen Oxide	TM12	6	15	30	74	31	74	0.0389	0.4965	1.1665	1.0424	1.3268	1.7387	3.1211		0.906	0.3774	0.7117	1.4809	2.7205	4.9922	3.9476	3.8749	0.2208	1.50768	2.43173
Nitrogen Oxide	TM12	6	16	30	74	31	72	0.0389	0.4965	1.1665	1.0424	1.3268	1.7387	3.1211		0.906	0.3774	0.7117	1.4809	2.7205	4.9922	3.9476	3.8749	0.2208	1.52487	2.45946
Nitrogen Oxide	TM12	6	17	30	75	31	65	0.0384	0.4906	1.1601	1.0369	1.3187	1.7274	3.1023		0.8959	0.3748	0.7067	1.4719	2.7041	4.9621	3.9239	3.8515	0.2178	1.4036	2.26387
Nitrogen Oxide	TM12	6	18	29	79	31	74	0.038	0.486	1.1627	1.04	1.3234	1.7339	3.113		0.9013	0.3761	0.7095	1.4771	2.7134	4.9792	3.9374	3.8649	0.2195	1.50228	2.42303
Nitrogen Oxide	TM12	6	19	29	81	31	74	0.0373	0.4752	1.1506	1.0296	1.3085	1.7126	3.0776		0.8824	0.3713	0.7001	1.4603	2.6826	4.9226	3.8927	3.8208	0.214	1.48454	2.39442
Nitrogen Oxide	TM12	6	20	28	83	31	52	0.038	0.4851	1.1672	1.0444	1.3298	1.7429	3.1281		0.9091	0.3781	0.7155	1.4842	2.7266	5.0035	3.9563	3.8836	0.2217	1.30206	2.1001
Nitrogen Oxide	TM12	6	21	28	85	31	45	0.0373	0.4751	1.1557	1.0347	1.3156	1.7229	3.0948		0.8913	0.3735	0.7046	1.4684	2.6976	4.9501	3.9144	3.8422	0.2166	1.19943	1.93456
Nitrogen Oxide	TM12	6	22	28	86	31	17	0.0369	0.4701	1.15	1.0298	1.3085	1.713	3.0782		0.8823	0.3713	0.7002	1.4605	2.683	4.9234	3.8932	3.8215	0.214	0.36869	0.59467
Nitrogen Oxide	TM12	6	23	28	87	31	13	0.0364	0.4651	1.1444	1.0249	1.3014	1.703	3.0615		0.8735	0.3689	0.6958	1.4526	2.6686	4.8968	3.8722	3.8008	0.2115	0.20128	0.32465
Nitrogen Oxide	TM12	6	24	28	87	31	2	0.0364	0.4651	1.1444	1.0249	1.3014	1.703	3.0615		0.8735	0.3689	0.6958	1.4526	2.6686	4.8968	3.8722	3.8008	0.2115	0.0364	0.05871
Nitrogen Oxide	TM12	7	1	28	84	31	5	0.0377	0.4801	1.1615	1.0395	1.3227	1.7329	3.1115		0.9001	0.3758	0.709	1.4763	2.7121	4.9768	3.9355	3.8629	0.2192	1.26318	2.03552
Nitrogen Oxide	TM12	7	2	28	84	31	4	0.0377	0.4801	1.1615	1.0395	1.3227	1.7329	3.1115		0.9001	0.3758	0.709	1.4763	2.7121	4.9768	3.9355	3.8629	0.2192	0.1483	0.23919
Nitrogen Oxide	TM12	7	3	28	86	31	4	0.0369	0.4701	1.15	1.0298	1.3085	1.713	3.0782		0.8823	0.3713	0.7002	1.4605	2.683	4.9234	3.8932	3.8215	0.214	0.2535	0.40887
Nitrogen Oxide	TM12	7	4	28	86	31	4	0.0369	0.4701	1.15	1.0298	1.3085	1.713	3.0782		0.8823	0.3713	0.7002	1.4605	2.683	4.9234	3.8932	3.8215	0.214	0.1452	0.23419
Nitrogen Oxide	TM12	7	5	28	87	31	4	0.036	0.4601	1.1387	1.02	1.2943	1.693	3.0449		0.8646	0.3667	0.6914	1.4447	2.654	4.8702	3.8511	3.7802	0.2089	0.14202	0.22907
Nitrogen Oxide	TM12	7	6	27	88	31	7	0.0377	0.48	1.1674	1.0454	1.3312	1.745	3.1315		0.9105	0.3785	0.7142	1.4858	2.7295	5.0088	3.9607	3.8878	0.2221	0.59101	0.95325
Nitrogen Oxide	TM12	7	7	28	86	31	10	0.0369	0.4701	1.15	1.0298	1.3085	1.713	3.0782		0.8823	0.3713	0.7002	1.4605	2.683	4.9234	3.8932	3.8215	0.214	0.3406	0.54951
Nitrogen Oxide	TM12	7	8	29	81	31	35	0.0373	0.4752	1.1506	1.0296	1.3083	1.7126	3.0776		0.8824	0.3713	0.7001	1.4603	2.6826	4.9226	3.8927	3.8208	0.214	1.13449	1.82982
Nitrogen Oxide	TM12	7	9	30	76	31	88	0.0379	0.4847	1.1536	1.0314	1.3108	1.7162	3.0835		0.8859	0.3723	0.7017	1.463	2.6877	4.9321	3.9001	3.8282	0.215	1.7882	2.88419
Nitrogen Oxide	TM12	7	10	31	70	31	94	0.0394	0.503	1.1658	1.041	1.3248	1.7359	3.1164		0.9038	0.3771	0.7104	1.4787	2.7164	4.9847	3.9417	3.869	0.2201	1.84484	2.97555
Nitrogen Oxide	TM12	7	11	31	68	31	76	0.0403	0.5157	1.1795	1.0527	1.3417	1.7598	3.1563		0.9252	0.3825	0.721	1.4976	2.7512	5.0485	3.9921	3.9185	0.2263	1.52857	2.46544
Nitrogen Oxide	TM12	7	12	31	67	31	72	0.0395	0.5053	1.1597	1.0351	1.3162	1.7237	3.0962		0.8933	0.3747	0.7052	1.469	2.6987	4.9722	3.9161	3.8438	0.2171	1.51493	2.44343
Nitrogen Oxide	TM12	7	13	32	66	31	67	0.04	0.5122	1.167	1.0413	1.3251	1.7364	3.1173		0.9046	0.3777	0.7108	1.479	2.7171	4.986	3.9428	3.8701	0.2203	1.53265	2.47201
Nitrogen Oxide	TM12	7	14	32	66	31	64	0.04	0.5122	1.167	1.0413	1.3251	1.7364	3.1173		0.9046	0.3777	0.7108	1.479	2.7171	4.986	3.9428	3.8701	0.2203	1.50645	2.42976
Nitrogen Oxide	TM12	7	15	31	68	31	74	0.0403	0.5157	1.1795	1.0527	1.3417	1.7598	3.1563		0.9252	0.3825	0.721	1.4976	2.7512	5.0485	3.9921	3.9185	0.2263	1.52669	2.4624
Nitrogen Oxide	TM12	7	16	31	69	31	72	0.0398	0.5093	1.1727	1.0469	1.3333	1.7479	3.1364		0.9145	0.3799	0.7157	1.4881	2.7338	5.0166	3.967	3.8938	0.2232	1.53396	2.47413
Nitrogen Oxide	TM12	7	17	31	70	31	65	0.0394	0.503	1.1658	1.041	1.3248	1.7359	3.1164		0.9038	0.3771	0.7104	1.4787	2.7164	4.9847	3.9417	3.869	0.2201	1.41178	2.27707
Nitrogen Oxide	TM12	7	18	30	73	31	74	0.0393	0.5023	1.1729	1.0479	1.3348	1.7499	3.1399		0.916	0.38	0.7166	1.4898	2.7369	5.0222	3.9714	3.8982	0.2236	1.37171	2.44694
Nitrogen Oxide	TM12	7	19	29	76	31	74	0.0394	0.5026	1.181	1.0555	1.3459	1.7657	3.1661		0.9297	0.3833	0.7235	1.5022	2.7597	5.0642	4.0046	3.9308	0.2276	1.52901	2.46614
Nitrogen Oxide	TM12	7	20	29	79	31	57	0.038	0.486	1.1627	1.04	1.3234	1.7339	3.113		0.9013	0.3761	0.7095	1.4771	2.7134	4.9792	3.9374	3.8649	0.2195	1.29649	2.09111
Nitrogen Oxide	TM12	7	21	29	81	31	45	0.0373	0.4752	1.1506	1.0296	1.3083	1.7126	3.0776		0.8824	0.3713	0.7001	1.4603	2.6826	4.9226	3.8927	3.8208	0.214	1.19345	1.92491
Nitrogen Oxide	TM12	7	22	29	81	31	17	0.0368	0.4699	1.1486	1.0244	1.3088	1.7021	3.0599		0.8729	0.3689	0.6954	1.4519	2.6671	4.8943	3.8702	3.7989	0.2113	0.36749	0.59272
Nitrogen Oxide	TM12	7	23	28	83	31	13	0.038	0.4851	1.1672	1.0444	1.3298	1.7429	3.1281		0.9091	0.3781	0.7155	1.4842	2.7266	5.0035	3.9563	3.8836	0.2217	0.13865	0.22356
Nitrogen Oxide	TM12	7	24	28	84	31	2	0.0377	0.4801	1.1615	1.0395	1.3227	1.7329	3.1115		0.9001	0.3758	0.709	1.4763	2.7121	4.9768	3.9355	3.8629	0.2192	0.0577	0.09301
Nitrogen Oxide	TM12	8	1	27	90	31	5	0.0369	0.4706	1.1566	1.0362	1.3178	1.7261	3.1001		0.8938	0.3743	0.706	1.4709	2.7022	4.9586	3.9211	3.8488	0.2173	0.12364	0.19942
Nitrogen Oxide	TM12	8	2	26	90	31	4	0.0385	0.4919	1.1848	1.0609	1.3537	1.7766	3.1844		0.9384	0.3858	0.7282	1.5109	2.7757	5.0934	4.0277	3.9535	0.2302	0.15185	0.24492
Nitrogen Oxide	TM12	8	3	26	91	31	4	0.0382	0.4875	1.1798	1.0566	1.3474	1.7678	3.1696		0.9305	0.3838	0.7243	1.5039	2.7628	5.0699	4.009	3.9352	0.2279	0.26285	0.42395
Nitrogen Oxide	TM12	8	4	26	92	31	4	0.0378	0.4832	1.1747	1.0523	1.3411	1.7589	3.1549		0.9227	0.3819	0.7204	1.4969	2.7499	5.0463	3.9904	3.9169	0.2256	0.14915	0.24056
Nitrogen Oxide	TM12	8	5	26	92	31	4	0.0378	0.4788	1.1697	1.048	1.3348	1.7502	3.1401		0.9148	0.3798	0.7165	1.4899	2.7371	5.0227	3.9718	3.8986	0.2233	0.14479	0.23353
Nitrogen Oxide	TM12	8	6	26	94	31	7	0.0372	0.4745	1.1647	1.0436	1.3286	1.7413	3.1255		0.907	0.3778	0.7126	1.4829	2.7243	4.999	3.953	3.8802	0.2211	0.589	0.95
Nitrogen Oxide	TM12	8	7	26	93	31	10	0.0376	0.4788	1.1697	1.048	1.3348	1.7502	3.1401		0.9148	0.3798	0.7165	1.4899	2.7371	5.0227	3.9718	3.8986	0.2233	0.65211	1.05179
Nitrogen Oxide	TM12	8	8	27	87	31	35	0.038	0.4847	1.1728	1.05	1.3379	1.7544	3.1471		0.9189	0.3806	0.7184	1.4932	2.7432	5.0339	3.9806	3.9073	0.2246	1.15921	1.8697
Nitrogen Oxide	TM12	8	9	29	81	31	88	0.0373	0.4752	1.1506	1.0296	1.3083	1.7126	3.0776		0.8824	0.3713	0.7001	1.4603	2.6826	4.9226	3.8927	3.8208	0.214	1.78373	2.87698
Nitrogen Oxide	TM12	8	10	31	73	31	94	0.0379	0.4847	1.1536	1.0314	1.3108	1.7162	3.0835		0.8859	0.3723	0.7017	1.463	2.6877	4.9321	3.9001	3.8282	0.215	1.82393	2.94182
Nitrogen Oxide	TM12	8	11	30	73	31	76	0.0393	0.5023	1.1729	1.0479	1.3348	1.7499	3.1399		0.916	0.38	0.7166	1.4898	2.7369	5.0222	3.9714	3.8982	0.2236	1.51901	2.45001
Nitrogen Oxide	TM12	8	12	30	73	31	72	0.0393	0.5023	1.1729	1.0479	1.3348	1.7499	3.1399		0.916	0.38	0.7166	1.4898	2.7369	5.0222	3.9714	3.8982	0.2236	1.53439	2.47483
Nitrogen Oxide	TM12	8	13	30	74	31	67	0.0389	0.4965	1.1665	1.0424	1.3268	1.7387	3.1211		0.906	0.3774	0.7117	1.4809	2.7205	4.9922	3.9476	3.8749	0.2208	1.5319	2.4708
Nitrogen Oxide	TM12	8	14	30	74	31	64	0.0389	0.4965	1.1665	1.0424	1.3268	1.7387

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:

(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.

(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Oxide	TM12	10	24	24	72	31	2	0.047	0.6028	1.3168	1.1753	1.5195	2.0103	3.5745		1.1456	0.4396	0.8313	1.696	3.1158	5.7175	4.5212	4.4379	0.2899	0.047	0.07581
Nitrogen Oxide	TM12	11	1	21	75	31	5	0.0499	0.6396	1.3612	1.2139	1.5753	2.0937	3.7058		1.236	0.4593	0.8691	1.7582	3.2301	5.9274	4.6871	4.6007	0.3179	0.16784	0.27071
Nitrogen Oxide	TM12	11	2	21	74	31	4	0.0501	0.6426	1.3649	1.2171	1.5799	2.1001	3.7165		1.2419	0.4608	0.872	1.7634	3.2395	5.9446	4.7008	4.6142	0.3195	0.19822	0.31972
Nitrogen Oxide	TM12	11	3	21	74	31	4	0.0501	0.6426	1.3649	1.2171	1.5799	2.1001	3.7165		1.2419	0.4608	0.872	1.7634	3.2395	5.9446	4.7008	4.6142	0.3195	0.53863	0.86863
Nitrogen Oxide	TM12	11	4	21	74	31	4	0.0501	0.6426	1.3649	1.2171	1.5799	2.1001	3.7165		1.2419	0.4608	0.872	1.7634	3.2395	5.9446	4.7008	4.6142	0.3195	0.19822	0.31972
Nitrogen Oxide	TM12	11	5	21	74	31	4	0.0501	0.6426	1.3649	1.2171	1.5799	2.1001	3.7165		1.2419	0.4608	0.872	1.7634	3.2395	5.9446	4.7008	4.6142	0.3195	0.19822	0.31972
Nitrogen Oxide	TM12	11	6	21	73	31	7	0.0504	0.6455	1.3685	1.2202	1.5845	2.1067	3.7273		1.2477	0.4623	0.8748	1.7685	3.2489	5.9617	4.7143	4.6275	0.3212	0.70999	1.14514
Nitrogen Oxide	TM12	11	7	21	73	31	10	0.0504	0.6455	1.3685	1.2202	1.5845	2.1067	3.7273		1.2477	0.4623	0.8748	1.7685	3.2489	5.9617	4.7143	4.6275	0.3212	0.77573	1.25118
Nitrogen Oxide	TM12	11	8	21	70	31	35	0.051	0.6545	1.3794	1.2297	1.5981	2.126	3.7595		1.2652	0.4667	0.8834	1.7837	3.277	6.0133	4.7551	4.6675	0.3263	1.39282	2.24648
Nitrogen Oxide	TM12	11	9	22	66	31	88	0.0509	0.6531	1.378	1.2284	1.5964	2.1218	3.7503		1.2556	0.4654	0.8811	1.7818	3.2733	6.0066	4.7497	4.6623	0.3228	2.18315	3.52121
Nitrogen Oxide	TM12	11	10	23	61	31	94	0.0512	0.6568	1.3818	1.2316	1.6011	2.1267	3.7665		1.2543	0.4663	0.883	1.787	3.283	6.0244	4.7639	4.6761	0.3219	2.23337	3.6022
Nitrogen Oxide	TM12	11	11	25	57	31	76	0.0507	0.6489	1.3677	1.2185	1.5821	2.0985	3.7217		1.2245	0.4594	0.8703	1.7659	3.244	5.9528	4.7073	4.6205	0.3126	1.8061	2.91306
Nitrogen Oxide	TM12	11	12	25	56	31	72	0.0509	0.6527	1.3723	1.2225	1.588	2.1067	3.7356		1.232	0.4613	0.874	1.7724	3.2561	5.975	4.7248	4.6378	0.3147	1.83112	2.95342
Nitrogen Oxide	TM12	11	13	25	56	31	67	0.0509	0.6527	1.3723	1.2225	1.588	2.1067	3.7356		1.232	0.4613	0.874	1.7724	3.2561	5.975	4.7248	4.6378	0.3147	1.83985	2.96749
Nitrogen Oxide	TM12	11	14	26	56	31	64	0.0501	0.6422	1.3562	1.2079	1.5669	2.0769	3.6858		1.2059	0.4542	0.8608	1.7487	3.2127	5.8953	4.6618	4.5759	0.3072	1.7844	2.87807
Nitrogen Oxide	TM12	11	15	26	57	31	74	0.0498	0.638	1.3512	1.2036	1.5606	2.0681	3.671		1.198	0.4522	0.8569	1.7418	3.1998	5.8717	4.6432	4.5576	0.3049	1.77926	2.86977
Nitrogen Oxide	TM12	11	16	25	58	31	72	0.0503	0.645	1.3629	1.2144	1.5762	2.0903	3.7078		1.2172	0.4575	0.8667	1.7593	3.2319	5.9307	4.6897	4.6034	0.3106	1.81717	2.93091
Nitrogen Oxide	TM12	11	17	24	63	31	65	0.0497	0.637	1.3567	1.2096	1.5693	2.0804	3.6917		1.2081	0.4556	0.8623	1.7516	3.2179	5.9048	4.6693	4.5832	0.3079	1.67647	2.70399
Nitrogen Oxide	TM12	11	18	23	66	31	74	0.0499	0.6396	1.3611	1.2137	1.5752	2.0901	3.7054		1.2216	0.458	0.8668	1.7581	3.2298	5.9267	4.6867	4.6003	0.3124	1.79508	2.89528
Nitrogen Oxide	TM12	11	19	23	70	31	74	0.0488	0.6255	1.3445	1.1994	1.5544	2.0608	3.6565		1.1954	0.4513	0.8539	1.735	3.1872	5.8486	4.6248	4.5396	0.3049	1.77068	2.85593
Nitrogen Oxide	TM12	11	20	22	70	31	57	0.05	0.6402	1.3624	1.215	1.5769	2.0942	3.7094		1.2309	0.4592	0.869	1.76	3.2333	5.9333	4.6917	4.6054	0.3157	1.55219	2.50354
Nitrogen Oxide	TM12	11	21	22	72	31	45	0.0494	0.6338	1.3547	1.2082	1.5671	2.0804	3.6865		1.2185	0.456	0.8629	1.7491	3.2134	5.8966	4.6628	4.5769	0.3122	1.43611	2.3163
Nitrogen Oxide	TM12	11	22	22	74	31	17	0.0489	0.6273	1.347	1.2015	1.5574	2.0667	3.6637		1.2061	0.4529	0.8568	1.7383	3.1934	5.86	4.6339	4.5485	0.3086	0.46568	0.75109
Nitrogen Oxide	TM12	11	23	22	74	31	13	0.0489	0.6273	1.347	1.2015	1.5574	2.0667	3.6637		1.2061	0.4529	0.8568	1.7383	3.1934	5.86	4.6339	4.5485	0.3086	0.27136	0.43768
Nitrogen Oxide	TM12	11	24	21	74	31	2	0.0501	0.6426	1.3649	1.2171	1.5799	2.1001	3.7165		1.2419	0.4608	0.872	1.7634	3.2395	5.9446	4.7008	4.6142	0.3195	0.0501	0.08081
Nitrogen Oxide	TM12	12	1	16	68	31	5	0.0597	0.7678	1.4623	1.2963	1.6943	2.2719	3.9856		1.4295	0.5029	0.9498	1.891	3.474	6.3749	5.041	4.9482	0.3777	0.20132	0.32471
Nitrogen Oxide	TM12	12	2	16	69	31	4	0.0595	0.7652	1.4596	1.294	1.691	2.2672	3.9779		1.4252	0.5018	0.9477	1.8874	3.4673	6.3625	5.0312	4.9386	0.3764	0.23592	0.38052
Nitrogen Oxide	TM12	12	3	16	69	31	4	0.0595	0.7652	1.4596	1.294	1.691	2.2672	3.9779		1.4252	0.5018	0.9477	1.8874	3.4673	6.3625	5.0312	4.9386	0.3764	0.41235	0.66508
Nitrogen Oxide	TM12	12	4	15	70	31	4	0.0611	0.7869	1.4705	1.302	1.7025	2.2857	4.005		1.4491	0.5068	0.9563	1.9002	3.491	6.4061	5.0657	4.9723	0.3842	0.24255	0.39121
Nitrogen Oxide	TM12	12	5	15	70	31	4	0.0611	0.7869	1.4705	1.302	1.7025	2.2857	4.005		1.4491	0.5068	0.9563	1.9002	3.491	6.4061	5.0657	4.9723	0.3842	0.24255	0.39121
Nitrogen Oxide	TM12	12	6	15	70	31	7	0.0611	0.7869	1.4705	1.302	1.7025	2.2857	4.005		1.4491	0.5068	0.9563	1.9002	3.491	6.4061	5.0657	4.9723	0.3842	0.77789	1.25465
Nitrogen Oxide	TM12	12	7	15	70	31	10	0.0611	0.7869	1.4705	1.302	1.7025	2.2857	4.005		1.4491	0.5068	0.9563	1.9002	3.491	6.4061	5.0657	4.9723	0.3842	0.44473	1.36247
Nitrogen Oxide	TM12	12	8	15	69	31	35	0.0613	0.7894	1.473	1.3042	1.7056	2.2902	4.0123		1.4532	0.5078	0.9583	1.9037	3.4973	6.4176	5.0748	4.9813	0.3854	1.50163	2.42199
Nitrogen Oxide	TM12	12	9	16	65	31	88	0.0602	0.7756	1.4703	1.3031	1.7041	2.2859	4.0088		1.4425	0.5062	0.956	1.9021	3.4943	6.412	5.0704	4.9769	0.3815	2.34051	3.77501
Nitrogen Oxide	TM12	12	10	17	62	31	94	0.0591	0.7602	1.4654	1.3002	1.6999	2.2781	3.9991		1.4286	0.5037	0.9521	1.8975	3.4858	6.3964	5.0581	4.9649	0.3767	2.37914	3.83732
Nitrogen Oxide	TM12	12	11	18	58	31	76	0.0582	0.7487	1.4641	1.3002	1.7001	2.2762	3.9994		1.4204	0.5026	0.9509	1.8976	3.4861	6.3969	5.0585	4.9652	0.3735	1.94859	3.14289
Nitrogen Oxide	TM12	12	12	19	57	31	72	0.0568	0.7299	1.454	1.2927	1.6893	2.2589	3.974		1.398	0.498	0.9429	1.8856	3.4639	6.3564	5.0264	4.9337	0.3662	1.95323	3.15037
Nitrogen Oxide	TM12	12	13	19	56	31	67	0.057	0.7328	1.4573	1.2954	1.6933	2.2643	3.9834		1.4032	0.4993	0.9454	1.89	3.4722	6.3714	5.0383	4.9455	0.3677	1.96737	3.17318
Nitrogen Oxide	TM12	12	14	19	56	31	64	0.057	0.7328	1.4573	1.2954	1.6933	2.2645	3.9834		1.4032	0.4993	0.9454	1.89	3.4722	6.3714	5.0383	4.9455	0.3677	1.93422	3.11971
Nitrogen Oxide	TM12	12	15	19	56	31	74	0.057	0.7328	1.4573	1.2954	1.6933	2.2645	3.9834		1.4032	0.4993	0.9454	1.89	3.4722	6.3714	5.0383	4.9455	0.3677	1.93645	3.12351
Nitrogen Oxide	TM12	12	16	19	57	31	72	0.0568	0.7299	1.454	1.2927	1.6893	2.2589	3.974		1.398	0.498	0.9429	1.8856	3.4639	6.3564	5.0264	4.9337	0.3662	1.95323	3.15037
Nitrogen Oxide	TM12	12	17	18	61	31	65	0.0578	0.7431	1.458	1.2949	1.6926	2.2655	3.9817		1.4105	0.5001	0.9462	1.8892	3.4707	6.3687	5.0361	4.9433	0.3707	1.81778	2.93191
Nitrogen Oxide	TM12	12	18	18	64	31	74	0.0569	0.7317	1.4458	1.2846	1.6776	2.2442	3.9463		1.391	0.4952	0.9367	1.8725	3.4398	6.3122	4.9914	4.8994	0.365	1.91944	3.09619
Nitrogen Oxide	TM12	12	19	17	65	31	74	0.0584	0.7502	1.4569	1.2929	1.6895	2.2663	3.9743		1.4148	0.5002	0.9455	1.8857	3.4642	6.3568	5.0262	4.9341	0.3727	1.93576	3.12219
Nitrogen Oxide	TM12	12	20	17	66	31	57	0.0582	0.7493	1.4541	1.2905	1.686	2.258	3.966		1.4102	0.499	0.9432	1.8817	3.457	6.3436	5.0163	4.9238	0.3713	1.6707	2.69467
Nitrogen Oxide	TM12	12	21	17	66	31	45	0.0582	0.7493	1.4541	1.2905	1.686	2.258	3.966		1.4102	0.499	0.9432	1.8817	3.457	6.3436	5.0163	4.9238	0.3713	1.55588	2.50948
Nitrogen Oxide	TM12	12	22	16	66	31	17	0.0601	0.773	1.4676	1.3008	1.7009	2.2813	4.0011		1.4382	0.5051	0.9539	1.8984	3.4875	6.3996	5.0606	4.9673	0.3803	0.54354	0.87667
Nitrogen Oxide	TM12	12	23	16	66	31	13	0.0601	0.773	1.4676	1.3008	1.7009	2.2813	4.0011		1.4382	0.5051	0.9539	1.8984	3.4875	6.3996	5.0606	4.9673	0.3803	0.33429	0.53918
Nitrogen Oxide	TM12	12	24	16	67	31	2	0.0599	0.7704	1.4649	1.2985	1.6875	2.2746	3.9934		1.4339	0.504	0.9518	1.8947	3.4808	6.3872	5.0508	4.9577	0.379	0.05899	0.09661
Nitrogen Oxide	TM13	1	1	17	77	36	7	0.0525	0.6784	1.3258	1.1673	1.5364	2.0338	3.5066		1.2603	0.4437	0.8391	1.6717	3.1086	5.5912	4.4575	4.2873	0.3474	0.41323	0.6665
Nitrogen Oxide	TM13	1	2	17	77	36	4	0.0523	0.6758	1.3231	1.1651	1.5332	2.0293	3.4991		1.2561	0.4426	0.8371	1.6681	3.102	5.5794	4.448	4.2782	0.3461	0.52588	0.84819
Nitrogen Oxide	TM13	1	3	17	77	36	2	0.0523	0.6758	1.3231	1.1651	1.5332	2.0293	3.4991		1.2561	0.4426	0.8371	1.6681	3.102	5.5794	4.448	4.2782	0.3461	0.36405	0.58718
Nitrogen Oxide	TM13	1	4	17	77	36	2	0.0523	0.6758	1.3231	1.1651	1.5332	2.0293	3.4991		1.2561	0.4426	0.8371	1.6681	3.102	5.5794	4.448	4.2782	0.3461	0.6877	1.10919
Nitrogen Oxide	TM13	1	5	17	78	36	0	0.0521	0.6733	1.3205	1.1628	1.5299	2.0246	3.4916		1.2518	0.4415	0.8351	1.6646	3.0954	5.5674	4.4385	4.2693	0.3448	0	0
Nitrogen Oxide	TM13	1	6	17	77	36	4	0.0523	0.6758	1.3231	1.1651	1.5332	2.0293	3.4991		1.2561	0.4426	0.8371	1.6681	3.102	5.5794	4.448	4.2782	0.3461	0.37	0.59677
Nitrogen Oxide	TM13	1	7	16	77	34	31	0.0555	0.7163	1.375	1.2132	1.5923	2.1193	3.6758		1.3244	0.4652	0.879	1.7496	3.2384	5.868	4.6638	4.5213	0.3596	1.02272	1.64955
Nitrogen Oxide	TM13	1	8	17	77	33	70	0.0544	0.7008	1.38	1.2214	1.5985	2.1285	3.7122		1.3156	0.4674	0.8838	1.7653	3.2595	5.9299	4.7054	4.5802	0.3521	1.2607	2.03339
Nitrogen Oxide	TM13	1	9	17	73	33	169	0.0552	0.7114	1.3911	1.2307	1.6122	2.1479	3.7439		1.3335	0.4718	0.8924	1.7803	3.2873	5.9805	4.7456	4.6192	0.3574	1.80254	2.90732
Nitrogen Oxide	TM13	1	10	19	69	33	184	0.0526	0.6758	1.3236	1.2172	1.5927	2.1166	3.6986		1.2926	0.4635	0.8778	1.7588	3.2474	5.9081	4.6881	4.5633	0.3438	1.78864	2.8849
Nitrogen Oxide	TM13	1	11	20	64	33	118	0.052	0.6685	1.3735	1.219	1.5952	2.1186	3.7047		1.2884	0.4635	0.8783	1.7617	3.2529	5.9179	4.6958	4.5709	0.3419	1.66864	2.69135
Nitrogen Oxide	TM13	1	12	21	63	33	103	0.0514	0.6605	1.3661	1.2128	1.5863	2.1041	3.6839		1.2695	0.4599	0.8716	1.7518	3.2346	5.8846	4.6695	4.5452	0.3355	1.62674	2.62577
Nitrogen Oxide	TM13	1	13	21	61	33	102	0.0516	0.6633	1.3696	1.2158	1.5907	2.1104	3.6941		1.2751	0.4612	0.8744	1.7567	3.2436	5.9011	4.6824	4.5579	0.3373	1.71325	2.7633
Nitrogen Oxide	TM13	1	14	21	62	33	97	0.0514	0.6605	1.3661	1.2128	1.5863	2.1041	3.6839		1.2695	0.4599	0.8716	1.7518	3.2346	5.8846	4.6695	4.5452	0.3355	1.69381	2.73195
Nitrogen Oxide	TM13	1	15	21	62	33	112	0.0514	0.6605	1.3661	1.2128	1.5863	2.1041	3.6839		1.2695	0.4599	0.8716	1.7518	3.2346	5.8846	4.6695	4.5452	0.3355	1.70319	2.74708
Nitrogen Oxide	TM13	1	16	21	63	33	109	0.0511	0.6576	1.3626	1.2097	1.5818	2.0979	3.6736		1.2632	0.4584	0.8688	1.7469	3.2256	5.8682	4.6564	4.5324	0.3339	1.6916	2.72839
Nitrogen Oxide	TM13	1	17	20	67	33	109	0.052	0.6678	1.384	1.2309	1.6054	2.1367	3.754		1.2933	0.4685	0.8874	1.7833	3.2946	6.0006	4.7527	4.6441	0.3392	1.73644	2.79167
Nitrogen Oxide	TM13	1	18	19	72	32	110	0.0525	0.6757	1.3836	1.2297	1.6045	2.136	3.7496		1.2984	0.4689	0.8874	1.7812	3.2807	5.9936	4.7479	4.6407	0.3414	1.70891	2.7563
Nitrogen Oxide	TM13	1	19	18	74	32	112	0.054	0.6938	1.3936	1.2371	1.6152	2.1529	3.7746		1.32	0.4733	0.8953	1.7931	3.3026	6.0336	4.7796	4.6716	0.3485	1.68288	2.71432
Nitrogen Oxide	TM13	1	20	18	74	33	64	0.0532	0.6848	1.3729	1.2166	1.5915	2.1168	3.6959		1.2987	0.4642	0.8782	1.7575	3.2452	5.9039	4.6847	4.5603	0.3464	0.94383	1.52231
Nitrogen Oxide	TM13	1	21	18	75	33	35	0.053	0.6821	1.37	1.214	1.5878	2.1117	3.6875		1.294	0.4629	0.8759	1.7535	3.2378	5.8904	4.674	4.5496	0.3449	1.03152	1.66375
Nitrogen Oxide	TM13	1	22	18	76	33	16	0.0527	0.6793	1.367	1.2115	1.5842	2.1065	3.6789		1.2893	0.4617	0.8737	1.7495	3.2303	5.8768	4.6633	4.5391	0.3435	1.10791	1.78695
Nitrogen Oxide	TM13	1	23	18	73	33	13	0.0513	0.6821	1.37	1.214	1.5878	2.1117	3.6875		1.294	0.4629	0.8759	1.7535	3.2378	5.8904	4.674	4.5496	0.3449	0.58222	0.93907
Nitrogen Oxide	TM13	1	24	17	76	36	4	0.0525	0.6784	1.3258	1.1673	1.5364	2.0338	3.5066		1.2603	0.4437	0.8391	1.6717	3.1086	5.5912	4.4575	4.2873	0.3474	0.98088	1.58206
Nitrogen Oxide	TM13	2	1	17	78	36	7	0.0521	0.6733	1.3205	1.1628	1.5299	2.0246	3.4916		1.2518	0.4415	0.8351	1.6646	3.0954	5.5674	4.4385	4.2693	0.3448	0.41079	0.66256
Nitrogen Oxide	TM13	2	2	17	80	36	4	0.0517	0.6682	1.3152	1.1584	1.5233	2.0154	3.4768		1.2433	0.4394	0.831	1.6574	3.0822	5.5436	4.4196	4.2508	0.3422	0.5217	0.84145
Nitrogen Oxide	TM13	2	3	17	81	36	2	0.0515	0.6656	1.3124	1.1562	1.5201	2.0108	3.4692		1.239	0.4384	0.829	1.6539	3.0755	5.5318	4.4101	4.2416	0.3409	0.35855	0.57831
Nitrogen Oxide	TM13	2	4	17	82	36	2	0.0513	0.6631	1.3097	1.154	1.5168	2.0062	3.4618		1.2427	0.4374	0.8269	1.6503	3.0689	5.5198	4.4006	4.2325	0.3395	0.6805	1.09758
Nitrogen Oxide	TM13	2	5	16	83	36	0	0.0529	0.6849	1.3227	1.1637	1.531	2.0279	3.4941		1.2607	0.4429	0.8369	1.6658	3.0976	5.5714	4.4417	4.2721	0.3482	0	0
Nitrogen Oxide	TM13	2	6	16	83	36	4	0.0529	0.6849	1.3227	1.1637	1.531	2.0279	3.4941		1.2607	0.4429	0.8369	1.6658	3.0976	5.5714	4.4417	4.2721	0.3482	0.37035	0.59734
Nitrogen Oxide	TM13	2	7	16	83	34	31	0.0544	0.7014	1.3597	1.2002	1.5735	2.0926	3.6321		1.2996	0.459	0.8672	1.7289	3.2	5.7985	4.6085	4.4678	0.3521	1.00971	1.62857
Nitrogen Oxide	TM13	2	8	17	81	33	70	0.0536	0.6902	1.3689	1.212	1.5849	2.1092	3.6806		1.2978	0.4629	0.8753	1.7502	3.2317	5.8793	4.6653	4.5411	0.3468	1.2492	2.01484
Nitrogen Oxide	TM13	2	9	18	77	33	169	0.0526	0.6765	1.364	1.209	1.5806	2.1015	3.6705		1.2845	0.4606	0.8714	1.7455	3.2229	5.8633	4.6526	4.5287	0.3421	1.76403	2.84522
Nitrogen Oxide	TM13	2	10	19	73	33	184	0.0516	0.6641	1.36	1.2066	1.5771	2.0946	3.6624		1.2724	0.4585	0.8681	1.7416	3.2158	5.8504	4.6422	4.5187	0.3378	1.72043	2.85554
Nitrogen Oxide	TM13	2	11	20	70	33	118	0.0507	0.6508	1.3534	1.2019	1.5704	2.0833	3.6468		1.2564	0.4554	0.8628	1.7342	3.202	5.8254	4.6224	4.4994	0.3324	1.6416	2.64774
Nitrogen Oxide	TM13	2	12	20	68	33	103	0.051	0.6563	1.36	1.2076	1.5787	2.0951	3.666		1.2671	0.4581	0.868	1.7433	3.219	5.8562	4.6469	4.5232	0.3355	1.61904	2.61136
Nitrogen Oxide	TM13	2	13	21	65	33	102	0.0507	0.6519	1.3556	1.2037	1.573	2.0854	3.653		1.2525	0.4555	0.8633	1.7371	3.2075	5.8353	4.6303	4.507	0.3306	1.69364	2.73167
Nitrogen Oxide	TM13	2	14	21	65	33	97	0.0507	0.6519	1.3556	1.2037	1.573	2.0854	3.653		1.2525	0.4555	0.8633	1.7371	3.2075	5.8353	4.6303	4.507	0.3306	1.67918	2.70835
Nitrogen Oxide	TM13	2	15	21	66	33	112	0.0505	0.649	1.352	1.2006	1.5685	2.0791	3.6427		1.2469	0.4542	0.8606	1.7322	3.1985	5.8188	4.6173	4.4944	0.3289	1.68359	2.71547
Nitrogen Oxide	TM13	2	16	20	67	33	109	0.051	0.6563	1.36	1.2076	1.5787	2.0951	3.666		1.2671	0.4581	0.868	1.7433	3.219	5.8562	4.6469	4.5232	0.3355	1.68848	2.72336
Nitrogen Oxide	TM13	2	17	20	70	32	109	0.0513	0.6592	1.3738	1.2222	1.5937	2.119	3.7245		1.277	0.4645	0.8795	1.7693	3.2587	5.9554	4.716	4.6095	0.3345	1.71064	2.75909
Nitrogen Oxide	TM13	2	18	19	74	32	110	0.0521	0.6697	1.3773	1.2243	1.5966	2.1247	3.7312		1.2882	0.4663	0.8825	1.7724	3.2646	5.9642	4.7246	4.6179	0.3384	1.70016	2.7422
Nitrogen Oxide	TM13	2	19	18	76	32	112	0.0535	0.6881	1.3876	1.232	1.6078	2.1424	3.7574		1.3104	0.4709	0.8906	1.7

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:

(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.

(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Oxide	TM13	5	5	25	92	36	0	0.037	0.4743	1.1172	0.9924	1.2806	1.6657	2.9227		0.8916	0.3573	0.6755	1.3933	2.591	4.6602	3.7152	3.5733	0.2311	0	0
Nitrogen Oxide	TM13	5	6	25	93	36	4	0.0367	0.4703	1.1129	0.9887	1.2751	1.6581	2.9102		0.8847	0.3556	0.6721	1.3873	2.5799	4.6402	3.6994	3.5581	0.229	0.30575	0.49315
Nitrogen Oxide	TM13	5	7	26	91	34	31	0.0366	0.469	1.1274	1.0049	1.2889	1.6806	2.9732		0.8857	0.3612	0.6835	1.4162	2.6212	4.7496	3.775	3.6596	0.2337	0.81143	1.30875
Nitrogen Oxide	TM13	5	8	27	85	33	70	0.0377	0.4814	1.1477	1.0237	1.3112	1.7133	3.0449		0.905	0.3698	0.6987	1.448	2.6736	4.864	3.8586	3.7569	0.2363	1.01881	1.64324
Nitrogen Oxide	TM13	5	9	28	80	33	169	0.038	0.4869	1.1485	1.0236	1.3111	1.7131	3.0446		0.9051	0.3697	0.6987	1.4478	2.6732	4.8634	3.8591	3.7564	0.2365	1.4524	2.34259
Nitrogen Oxide	TM13	5	10	28	78	33	184	0.0388	0.497	1.1596	1.033	1.3248	1.7324	3.0765		0.9224	0.3741	0.7072	1.4629	2.7013	4.9145	3.8996	3.7959	0.2315	1.47806	2.38397
Nitrogen Oxide	TM13	5	11	29	77	33	118	0.0378	0.4842	1.1394	1.0152	1.2987	1.6959	3.0161		0.8901	0.3659	0.6912	1.4342	2.6483	4.8179	3.823	3.7213	0.222	1.34984	2.17716
Nitrogen Oxide	TM13	5	12	29	75	33	103	0.0387	0.495	1.1512	1.0253	1.3134	1.7165	3.05		0.9084	0.3705	0.7002	1.4504	2.678	4.8721	3.866	3.7631	0.2274	1.33973	2.16085
Nitrogen Oxide	TM13	5	13	29	74	33	102	0.0391	0.5003	1.1572	1.0302	1.3206	1.7267	3.067		0.9175	0.3729	0.7047	1.4584	2.6929	4.8992	3.8875	3.7841	0.2301	1.41502	2.2823
Nitrogen Oxide	TM13	5	14	29	75	33	97	0.0387	0.495	1.1512	1.0253	1.3134	1.7165	3.05		0.9084	0.3705	0.7002	1.4504	2.678	4.8721	3.866	3.7631	0.2274	1.39428	2.24884
Nitrogen Oxide	TM13	5	15	29	75	33	112	0.0387	0.495	1.1512	1.0253	1.3134	1.7165	3.05		0.9084	0.3705	0.7002	1.4504	2.678	4.8721	3.866	3.7631	0.2274	1.40265	2.26234
Nitrogen Oxide	TM13	5	16	29	77	33	109	0.0378	0.4842	1.1394	1.0152	1.2987	1.6959	3.0161		0.8901	0.3659	0.6912	1.4342	2.6483	4.8179	3.823	3.7213	0.222	1.3809	2.22726
Nitrogen Oxide	TM13	5	17	28	78	32	109	0.0394	0.5035	1.1772	1.0505	1.3445	1.7619	3.1421		0.9376	0.3815	0.721	1.4925	2.7491	5.0225	3.9786	3.8887	0.233	1.43528	2.31497
Nitrogen Oxide	TM13	5	18	28	81	32	110	0.0382	0.4883	1.1603	1.0361	1.3236	1.7325	3.0932		0.9114	0.3749	0.708	1.4693	2.7063	4.9442	3.9166	3.8282	0.2253	1.39949	2.25724
Nitrogen Oxide	TM13	5	19	27	84	32	112	0.0385	0.4923	1.1705	1.0455	1.3371	1.7518	3.1252		0.9283	0.3793	0.7165	1.4846	2.7343	4.9954	3.9572	3.8678	0.2303	1.38116	2.22768
Nitrogen Oxide	TM13	5	20	27	87	33	64	0.0369	0.4722	1.1373	1.0148	1.2983	1.6952	3.0149		0.8888	0.3656	0.6908	1.4337	2.6472	4.8161	3.8213	3.7198	0.2217	0.75727	1.2214
Nitrogen Oxide	TM13	5	21	27	88	33	35	0.0366	0.4676	1.132	1.0105	1.2918	1.6862	2.9999		0.8807	0.3636	0.6867	1.4266	2.634	4.792	3.8025	3.7013	0.2194	0.82708	1.334
Nitrogen Oxide	TM13	5	22	26	89	33	16	0.0377	0.4834	1.1538	1.0296	1.3197	1.7253	3.0646		0.9153	0.3725	0.7039	1.4574	2.6909	4.8956	3.8846	3.7812	0.2295	0.90943	1.46682
Nitrogen Oxide	TM13	5	23	26	89	33	13	0.0377	0.4834	1.1538	1.0296	1.3197	1.7253	3.0646		0.9153	0.3725	0.7039	1.4574	2.6909	4.8956	3.8846	3.7812	0.2295	0.46765	0.75427
Nitrogen Oxide	TM13	5	24	26	90	36	4	0.036	0.4621	1.1012	0.9782	1.2599	1.6469	2.8755		0.8661	0.3507	0.6628	1.3708	2.5491	4.5849	3.6552	3.5156	0.2233	0.81308	1.31141
Nitrogen Oxide	TM13	6	1	28	88	36	7	0.0338	0.4322	1.0583	0.9406	1.2046	1.5599	2.7494		0.7977	0.3331	0.6292	1.3107	2.4374	4.384	3.495	3.3615	0.2027	0.47417	0.76487
Nitrogen Oxide	TM13	6	2	27	89	36	4	0.0348	0.4465	1.08	0.9598	1.2328	1.5991	2.8135		0.8325	0.342	0.6464	1.3413	2.4942	4.4861	3.5765	3.4399	0.2133	0.30902	0.64359
Nitrogen Oxide	TM13	6	3	27	89	36	2	0.0348	0.4465	1.08	0.9598	1.2328	1.5991	2.8135		0.8325	0.342	0.6464	1.3413	2.4942	4.4861	3.5765	3.4399	0.2133	0.24065	0.38815
Nitrogen Oxide	TM13	6	4	27	88	36	2	0.0352	0.4509	1.085	0.964	1.239	1.6077	2.8277		0.8402	0.3439	0.6502	1.348	2.5068	4.5087	3.5943	3.4572	0.2156	0.5601	0.90339
Nitrogen Oxide	TM13	6	5	27	89	36	0	0.0348	0.4465	1.08	0.9598	1.2328	1.5991	2.8135		0.8325	0.342	0.6464	1.3413	2.4942	4.4861	3.5765	3.4399	0.2133	0	0
Nitrogen Oxide	TM13	6	6	27	90	36	4	0.0345	0.442	1.0749	0.9555	1.2266	1.5905	2.7993		0.8248	0.34	0.6425	1.3345	2.4817	4.4635	3.5585	3.4226	0.2109	0.2946	0.47516
Nitrogen Oxide	TM13	6	7	28	87	34	31	0.035	0.4576	1.0936	0.9747	1.2449	1.619	2.8707		0.8313	0.3477	0.6565	1.3678	2.5317	4.5876	3.6464	3.5347	0.2076	1.26432	2.03876
Nitrogen Oxide	TM13	6	8	29	82	33	70	0.0357	0.4577	1.1099	0.9901	1.2622	1.6447	2.9313		0.8443	0.3543	0.6686	1.394	2.5738	4.6825	3.7155	3.6167	0.2086	0.98062	1.58165
Nitrogen Oxide	TM13	6	9	29	79	33	169	0.037	0.4734	1.1276	1.0051	1.2841	1.6754	2.9822		0.8718	0.3613	0.6822	1.4182	2.6185	4.7638	3.78	3.6794	0.2167	1.42225	2.29395
Nitrogen Oxide	TM13	6	10	30	76	33	184	0.0369	0.4721	1.1187	0.9969	1.273	1.6584	2.9539		0.8568	0.3576	0.6747	1.4047	2.5936	4.7186	3.7442	3.6446	0.2122	1.41861	2.28808
Nitrogen Oxide	TM13	6	11	30	75	33	118	0.0374	0.4779	1.125	1.0022	1.2798	1.6693	2.9719		0.8666	0.36	0.6794	1.4133	2.6095	4.7474	3.7671	3.6668	0.2152	1.33024	2.14555
Nitrogen Oxide	TM13	6	12	30	74	33	103	0.0377	0.4836	1.1312	1.0075	1.2874	1.6802	2.9899		0.8763	0.3625	0.6843	1.4218	2.6252	4.7761	3.7898	3.689	0.2181	1.31313	2.11795
Nitrogen Oxide	TM13	6	13	31	73	33	102	0.0368	0.4719	1.1107	0.9892	1.2649	1.6428	2.9282		0.8432	0.3543	0.6679	1.3924	2.571	4.6775	3.7116	3.6128	0.2082	1.35014	2.17765
Nitrogen Oxide	TM13	6	14	31	72	33	97	0.0373	0.478	1.1173	0.9949	1.2691	1.6544	2.9473		0.8535	0.3569	0.6729	1.4015	2.5878	4.708	3.7358	3.6364	0.2113	1.34713	2.17279
Nitrogen Oxide	TM13	6	15	30	74	33	112	0.0377	0.4836	1.1312	1.0075	1.2874	1.6802	2.9899		0.8763	0.3625	0.6843	1.4218	2.6252	4.7761	3.7898	3.689	0.218	1.37474	2.21732
Nitrogen Oxide	TM13	6	16	30	74	33	109	0.0377	0.4836	1.1312	1.0075	1.2874	1.6802	2.9899		0.8763	0.3625	0.6843	1.4218	2.6252	4.7761	3.7898	3.689	0.218	1.36938	2.20868
Nitrogen Oxide	TM13	6	17	30	75	32	109	0.0378	0.4841	1.1421	1.019	1.2988	1.6976	3.0352		0.881	0.3672	0.6927	1.4418	2.6556	4.8517	3.8433	3.7566	0.2165	1.38614	2.23572
Nitrogen Oxide	TM13	6	18	29	79	33	110	0.0376	0.4796	1.1448	1.0222	1.3033	1.7039	3.0457		0.8861	0.3684	0.6955	1.4468	2.6648	4.8684	3.8566	3.7695	0.218	1.37788	2.22239
Nitrogen Oxide	TM13	6	19	29	81	32	112	0.0367	0.4689	1.1327	1.0119	1.2884	1.6832	3.0111		0.8676	0.3637	0.6862	1.4304	2.6345	4.8131	3.8127	3.7266	0.2126	1.33013	2.14538
Nitrogen Oxide	TM13	6	20	28	83	33	64	0.0369	0.4725	1.1319	1.0094	1.2904	1.6842	2.9966		0.8793	0.3631	0.686	1.425	2.6313	4.7869	3.7985	3.6973	0.2189	0.75352	1.21535
Nitrogen Oxide	TM13	6	21	28	85	33	35	0.0362	0.4628	1.1208	1	1.2766	1.6649	2.9647		0.8621	0.3587	0.6775	1.4098	2.6032	4.7359	3.7579	3.6579	0.2138	0.81762	1.31874
Nitrogen Oxide	TM13	6	22	28	86	33	16	0.0358	0.458	1.1153	0.9953	1.2698	1.6553	2.9488		0.8534	0.3566	0.6732	1.4022	2.5892	4.7104	3.7377	3.6382	0.2113	0.87484	1.41103
Nitrogen Oxide	TM13	6	23	28	87	33	13	0.0355	0.4531	1.1097	0.9906	1.2629	1.6457	2.9328		0.8448	0.3544	0.6689	1.3946	2.5751	4.6849	3.7174	3.6185	0.2088	0.44622	0.71971
Nitrogen Oxide	TM13	6	24	28	87	36	4	0.034	0.4307	1.0636	0.945	1.2113	1.5692	2.7645		0.8086	0.3352	0.6333	1.3178	2.4287	4.408	3.5124	3.3979	0.2052	0.23423	0.37785
Nitrogen Oxide	TM13	7	1	28	84	36	7	0.0352	0.451	1.0795	0.9586	1.231	1.5967	2.8096		0.8307	0.3414	0.6454	1.3394	2.4907	4.4799	3.5715	3.4351	0.2127	0.30319	0.48901
Nitrogen Oxide	TM13	7	2	28	84	36	4	0.0352	0.451	1.0795	0.9586	1.231	1.5967	2.8096		0.8307	0.3414	0.6454	1.3394	2.4907	4.4799	3.5715	3.4351	0.2127	0.40022	0.64552
Nitrogen Oxide	TM13	7	3	28	84	36	2	0.0344	0.4416	1.0689	0.9495	1.2179	1.5784	2.7795		0.8142	0.3373	0.6374	1.3251	2.464	4.4319	3.5333	3.3983	0.2077	0.238	0.38387
Nitrogen Oxide	TM13	7	4	28	86	36	2	0.0344	0.4416	1.0689	0.9495	1.2179	1.5784	2.7795		0.8142	0.3373	0.6374	1.3251	2.464	4.4319	3.5333	3.3983	0.2077	0.55165	0.88976
Nitrogen Oxide	TM13	7	5	28	88	36	0	0.0338	0.4322	1.0583	0.9406	1.2046	1.5599	2.7494		0.7977	0.3331	0.6292	1.3107	2.4374	4.384	3.495	3.3615	0.2027	0	0
Nitrogen Oxide	TM13	7	6	27	88	36	4	0.0352	0.4509	1.085	0.964	1.239	1.6077	2.8277		0.8402	0.3439	0.6502	1.348	2.5068	4.5087	3.5943	3.4572	0.2156	0.29765	0.48008
Nitrogen Oxide	TM13	7	7	28	86	34	31	0.0354	0.4523	1.0991	0.9793	1.2517	1.6285	2.8893		0.8398	0.3498	0.6607	1.3753	2.5455	4.6126	3.666	3.554	0.21	0.78845	1.2717
Nitrogen Oxide	TM13	7	8	29	81	33	70	0.0362	0.4629	1.1158	0.9952	1.2695	1.655	2.9482		0.8535	0.3566	0.6731	1.402	2.5887	4.7096	3.737	3.6376	0.2113	0.98671	1.59147
Nitrogen Oxide	TM13	7	9	30	76	33	169	0.0369	0.4721	1.1187	0.9969	1.272	1.6584	2.9539		0.8568	0.3576	0.6747	1.4047	2.5936	4.7186	3.7442	3.6446	0.2122	1.40928	2.27304
Nitrogen Oxide	TM13	7	10	31	75	33	184	0.0382	0.49	1.1305	1.0062	1.2836	1.6774	2.9854		0.8742	0.3622	0.6831	1.4197	2.6213	4.769	3.7841	3.6835	0.2174	1.43548	2.3153
Nitrogen Oxide	TM13	7	11	31	68	33	118	0.0392	0.5024	1.1439	1.0175	1.3012	1.7005	3.0256		0.8948	0.3674	0.6932	1.4378	2.6548	4.83	3.8326	3.7306	0.2224	1.35544	2.1862
Nitrogen Oxide	TM13	7	12	32	67	33	103	0.0384	0.4923	1.1247	1.0005	1.2772	1.6656	2.966		0.864	0.36	0.678	1.4104	2.6043	4.7379	3.7596	3.6594	0.2143	1.30436	2.10381
Nitrogen Oxide	TM13	7	13	32	66	33	102	0.0389	0.4989	1.1317	1.0065	1.2859	1.6779	2.9862		0.875	0.3627	0.6833	1.4201	2.622	4.7702	3.7852	3.6844	0.2175	1.37917	2.22446
Nitrogen Oxide	TM13	7	14	32	66	33	97	0.0389	0.4989	1.1317	1.0065	1.2859	1.6779	2.9862		0.875	0.3627	0.6833	1.4201	2.622	4.7702	3.7852	3.6844	0.2175	1.36688	2.20464
Nitrogen Oxide	TM13	7	15	31	68	33	112	0.0392	0.5024	1.1439	1.0175	1.302	1.7005	3.0256		0.8948	0.3674	0.6932	1.4378	2.6548	4.83	3.8326	3.7306	0.2234	1.39195	2.24508
Nitrogen Oxide	TM13	7	16	31	69	33	109	0.0387	0.4962	1.1372	1.0119	1.2938	1.689	3.0045		0.8845	0.3648	0.6882	1.4288	2.6381	4.7995	3.8084	3.707	0.2203	1.37741	2.22164
Nitrogen Oxide	TM13	7	17	31	70	33	109	0.0388	0.4978	1.1408	1.0231	1.3047	1.7106	3.0491		0.8887	0.3694	0.6954	1.4478	2.6694	4.8572	3.8245	3.7256	0.2187	1.3938	2.24807
Nitrogen Oxide	TM13	7	18	30	73	32	110	0.0387	0.4956	1.1548	1.0299	1.3145	1.7197	3.072		0.9007	0.3722	0.7025	1.4593	2.6878	4.9105	3.8898	3.802	0.2222	1.39127	2.24398
Nitrogen Oxide	TM13	7	19	29	76	32	112	0.0388	0.496	1.1627	1.0375	1.3255	1.7352	3.0976		0.9142	0.3756	0.7093	1.4715	2.7103	4.9515	3.9223	3.8338	0.2262	1.37014	2.20991
Nitrogen Oxide	TM13	7	20	29	79	33	64	0.037	0.4734	1.1276	1.0051	1.2841	1.6754	2.9822		0.8718	0.3613	0.6822	1.4182	2.6185	4.7638	3.78	3.6794	0.2167	0.75067	1.21076
Nitrogen Oxide	TM13	7	21	29	81	33	35	0.0362	0.4629	1.1158	0.9952	1.2695	1.655	2.9482		0.8533	0.3566	0.6731	1.402	2.5887	4.7096	3.737	3.6376	0.2113	0.81357	1.31221
Nitrogen Oxide	TM13	7	22	29	82	33	16	0.0357	0.4577	1.1099	0.9901	1.2622	1.6447	2.9313		0.8443	0.3543	0.6686	1.394	2.5738	4.6825	3.7155	3.6167	0.2086	0.48167	0.77639
Nitrogen Oxide	TM13	7	23	28	83	33	13	0.0369	0.4725	1.1319	1.0094	1.2904	1.6842	2.9966		0.8793	0.3631	0.686	1.425	2.6313	4.7869	3.7985	3.6973	0.2189	0.45761	0.73808
Nitrogen Oxide	TM13	7	24	28	84	36	4	0.0352	0.451	1.0795	0.9586	1.231	1.5967	2.8096		0.8307	0.3414	0.6454	1.3394	2.4907	4.4799	3.5715	3.4351	0.2127	0.79585	1.28363
Nitrogen Oxide	TM13	8	1	27	90	36	7	0.0345	0.442	1.0749	0.9555	1.2266	1.5905	2.7993		0.8248	0.34	0.6425	1.3345	2.4817	4.4635	3.5585	3.4226	0.2109	0.29956	0.48316
Nitrogen Oxide	TM13	8	2	26	93	36	4	0.036	0.462	1.1012	0.9782	1.2599	1.6369	2.8755		0.8661	0.3507	0.6628	1.3708	2.5491	4.5849	3.6552	3.5156	0.2233	0.4088	0.65935
Nitrogen Oxide	TM13	8	3	26	91	34	2	0.0358	0.458	1.0965	0.9742	1.2541	1.6287	2.8621		0.8588	0.3487	0.6594	1.3645	2.5373	4.5637	3.6382	3.4994	0.2212	0.24693	0.39823
Nitrogen Oxide	TM13	8	4	26	92	36	2	0.0354	0.4539	1.0918	0.9703	1.2483	1.6206	2.8488		0.8516	0.3469	0.6558	1.3581	2.5255	4.5425	3.6214	3.4831	0.219	0.5636	0.90903
Nitrogen Oxide	TM13	8	5	26	93	36	0	0.0351	0.4499	1.0871	0.9663	1.2424	1.6125	2.8355		0.8442	0.3451	0.6522	1.3517	2.5137	4.5212	3.6043	3.4668	0.2168	0	0
Nitrogen Oxide	TM13	8	6	26	94	36	4	0.0348	0.4457	1.0824	0.9623	1.2365	1.6044	2.8222		0.837	0.3433	0.6486	1.3454	2.5019	4.5	3.5875	3.4505	0.2146	0.2967	0.47855
Nitrogen Oxide	TM13	8	7	26	93	34	31	0.036	0.4607	1.1178	0.9967	1.277	1.6637	2.9475		0.8707	0.3578	0.6761	1.403	2.5968	4.7054	3.7398	3.6255	0.2193	0.80342	1.29584
Nitrogen Oxide	TM13	8	8	27	87	33	70	0.0369	0.4722	1.1373	1.0148	1.2983	1.6952	3.0149		0.8888	0.3656	0.6908	1.4337	2.6472	4.8161	3.8215	3.7198	0.2217	1.00807	1.62592
Nitrogen Oxide	TM13	8	9	29	81	33	169	0.0362	0.4629	1.1158	0.9952	1.2695	1.655	2.9482		0.8533	0.3566	0.6731	1.402	2.5887	4.7096	3.737	3.6376	0.2113	1.40542	2.26681
Nitrogen Oxide	TM13	8	10	30	76	33	184	0.0369	0.4721	1.1187	0.9969	1.272	1.6584	2.9539		0.8568	0.3576	0.6747	1.4047	2.5936	4.7186	3.7442	3.6446	0.2122	1.41861	2.28808
Nitrogen Oxide	TM13	8	11	30	73	33	118	0.0382	0.4893	1.1375	1.0128	1.2952	1.691	3.0079		0.886	0.365	0.689	1.4304	2.6411	4.8049	3.8127	3.7112	0.2209	1.34704	2.17264
Nitrogen Oxide	TM13	8	12	30	73	33	103	0.0382	0.4893	1.1375	1.0128	1.2952	1.691	3.0079		0.886	0.365	0.689	1.4304	2.6411	4.8049	3.8127	3.7112	0.2209	1.32141	2.13131
Nitrogen Oxide	TM13	8	13	30	74	33	102	0.0377	0.4836	1.1312	1.0075	1.2874	1.6802	2.9899		0.8763	0.3625	0.6843	1.4218	2.6252	4.7761	3.7898	3.689	0.218	1.37888	2.22399
Nitrogen Oxide	TM13	8	14	30	74	33	97	0.0377	0.4836	1.1312	1.0075	1.2874	1.6802	2.9899		0.8763	0.3625	0.6843	1.4218	2.6252	4.7761	3.7898	3.689	0.218	1.36649	2.20401
Nitrogen Oxide	TM13	8	15	30	75	33	112	0.0374	0.4779	1.125	1.0022	1.2798	1.6693	2.9719		0.8666	0.36	0.6794	1.4133	2.6095	4.7474	3.7671	3.6668	0.2152	1.36615	2.20346
Nitrogen Oxide	TM13	8	16	29	77	33	109	0.0378	0.4842	1.1394	1.0152	1.2987	1.6959	3.0161		0.8901	0.3659	0.6912	1.4342	2.6483	4.8179	3.823	3.7213	0.222	1.3809	2.22726
Nitrogen Oxide	TM13	8	17	29	79	32	109	0.0376	0.4796	1.1448	1.0222	1.3033	1.7039	3.0457		0.8863	0.3684	0.6955	1.4468	2.6648	4.8684	3.8566	3.7695	0.218	1.39018	2.24222
Nitrogen Oxide	TM13	8	18	28	80	32	110	0.0386	0.4932	1.1659	1.0409	1.3305	1.7423	3.1095		0.9201	0.3771	0.7123	1.477	2.7206	4.9703	3.9372	3.8484	0.2279	1.40717	2.26962
Nitrogen Oxide	TM13	8	19	28	82	32	112	0.0378	0.4835	1.1547	1.0313	1.3166	1.7226	3.0769		0.9027	0.3726	0.7036	1.4616	2.692	4.9182	3.8959	3.8079	0.2228	1.35969	2.19304
Nitrogen Oxide	TM13	8	20	28	84	32	64	0.0366	0.4677	1.1264	1.0048	1.2835	1.6746	2.9807		0.8706	0.3609	0.6817	1.4174	2.6172	4.7614	3.7782	3.6777	0.2164	0.74924	1.20845
Nitrogen Oxide	TM13	8	21	27	87	33	35	0.0377	0.4814	1.1477	1.0237	1.3112	1.7133	3.0449		0.905	0.3698	0.6987	1.448	2.6736	4.864	3.8586	3.7569	0.2265	0.84034	1.35539
Nitrogen Oxide	TM13	8	22	27	87	33	16	0.0369	0.4722	1.1373	1.0148	1.2983	1.6952	3.0149		0.8888	0.3656	0.6908	1.4337	2.6472	4.8161	3.8215	3.7198	0.2217	0.89452	1.44278
Nitrogen Oxide	TM13	8	23	27	88	33	13	0.0366	0.4676	1.132	1.0105	1.2918	1.6862	2.9999		0.8807	0.3636	0.6867	1.4266	2.634	4.792	3.8025	3.7013	0.2194	0.45696	0.73703
Nitrogen Oxide	TM13	8	24	27	89	36	4	0.0348	0.4465	1.08	0.9598	1.2328	1.5991	2.8135		0.8325	0.342	0.6464	1.3413	2.4942	4.4861	3.

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:

(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.

(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Oxide	TM13	11	10	25	61	33	184	0.0498	0.6399	1.3403	1.1903	1.5537	2.055	3.6082		1.2137	0.4481	0.8492	1.7158	3.1681	5.7637	4.5735	4.4518	0.3178	1.74107	2.80817
Nitrogen Oxide	TM13	11	11	25	57	33	118	0.0492	0.6321	1.3265	1.1777	1.5353	2.0276	3.5652		1.1848	0.4413	0.837	1.6954	3.1305	5.6952	4.5192	4.3988	0.3088	1.60319	2.5858
Nitrogen Oxide	TM13	11	12	25	56	33	103	0.0495	0.6359	1.3311	1.1816	1.5409	2.0356	3.5786		1.192	0.4431	0.8405	1.7018	3.1422	5.7164	4.536	4.4152	0.3108	1.57874	2.54635
Nitrogen Oxide	TM13	11	13	25	56	33	102	0.0495	0.6359	1.3311	1.1816	1.5409	2.0356	3.5786		1.192	0.4431	0.8405	1.7018	3.1422	5.7164	4.536	4.4152	0.3108	1.65784	2.67393
Nitrogen Oxide	TM13	11	14	26	56	33	97	0.0487	0.6255	1.3154	1.1674	1.5205	2.0068	3.5308		1.1668	0.4364	0.8279	1.679	3.1002	5.6403	4.4755	4.3564	0.3033	1.62143	2.61521
Nitrogen Oxide	TM13	11	15	26	57	33	112	0.0484	0.6215	1.3106	1.1632	1.5143	1.9983	3.5168		1.1591	0.4344	0.8241	1.6723	3.0879	5.6177	4.4576	4.339	0.3012	1.62386	2.61912
Nitrogen Oxide	TM13	11	16	25	58	33	109	0.0489	0.6283	1.3219	1.1736	1.5295	2.0196	3.552		1.1777	0.4395	0.8334	1.6891	3.1189	5.6741	4.5024	4.3825	0.3067	1.63374	2.63507
Nitrogen Oxide	TM13	11	17	24	63	32	109	0.0489	0.6286	1.3357	1.1889	1.5455	2.0444	3.6119		1.1881	0.4464	0.8454	1.7158	3.1602	5.7734	4.5734	4.4702	0.3006	1.65621	2.67131
Nitrogen Oxide	TM13	11	18	23	66	32	110	0.0491	0.631	1.3401	1.1928	1.5513	2.054	3.6253		1.2014	0.4488	0.8498	1.7222	3.1718	5.7949	4.5904	4.4868	0.3104	1.648	2.65807
Nitrogen Oxide	TM13	11	19	23	69	32	112	0.0491	0.6173	1.3238	1.1787	1.5308	2.0251	3.5775		1.1756	0.4422	0.8372	1.6994	3.1301	5.7184	4.5299	4.4276	0.3029	1.58803	2.56135
Nitrogen Oxide	TM13	11	20	22	70	33	64	0.0486	0.6238	1.3214	1.1742	1.5302	2.0235	3.5535		1.191	0.4412	0.8358	1.6899	3.1202	5.6764	4.5043	4.3844	0.3118	0.90108	1.45335
Nitrogen Oxide	TM13	11	21	22	72	33	35	0.0481	0.6174	1.3139	1.1678	1.5208	2.0102	3.5315		1.179	0.4382	0.8298	1.6794	3.101	5.6415	4.4765	4.3573	0.3082	0.98204	1.58393
Nitrogen Oxide	TM13	11	22	22	74	33	16	0.0476	0.6111	1.3063	1.1613	1.5113	1.9969	3.5096		1.167	0.4351	0.824	1.669	3.0816	5.6064	4.4486	4.3302	0.3047	1.04964	1.69297
Nitrogen Oxide	TM13	11	23	22	74	33	13	0.0476	0.6111	1.3063	1.1613	1.5113	1.9969	3.5096		1.167	0.4351	0.824	1.669	3.0816	5.6064	4.4486	4.3302	0.3047	0.54598	0.88061
Nitrogen Oxide	TM13	11	24	21	74	36	4	0.0469	0.6036	1.269	1.1221	1.4704	1.9347	3.356		1.1471	0.4191	0.7941	1.5998	2.9751	5.351	4.266	4.1032	0.3102	0.94038	1.51673
Nitrogen Oxide	TM13	12	1	16	68	36	7	0.0558	0.7213	1.3602	1.195	1.5769	2.0925	3.5989		1.3209	0.4577	0.8653	1.7156	3.1904	5.7384	4.5749	4.4001	0.3667	0.43229	0.69724
Nitrogen Oxide	TM13	12	2	16	69	36	4	0.0556	0.7188	1.3577	1.193	1.5739	2.0883	3.592		1.3169	0.4567	0.8634	1.7124	3.1842	5.7273	4.566	4.3916	0.3655	0.54692	0.88214
Nitrogen Oxide	TM13	12	3	16	69	36	2	0.0556	0.7188	1.3577	1.193	1.5739	2.0883	3.592		1.3169	0.4567	0.8634	1.7124	3.1842	5.7273	4.566	4.3916	0.3655	0.3872	0.62452
Nitrogen Oxide	TM13	12	4	15	70	36	2	0.0571	0.7393	1.368	1.2003	1.5846	2.1053	3.6165		1.339	0.4614	0.8712	1.7241	3.2061	5.7665	4.5972	4.4216	0.3731	0.71255	1.14927
Nitrogen Oxide	TM13	12	5	15	70	36	0	0.0571	0.7393	1.368	1.2003	1.5846	2.1053	3.6165		1.339	0.4614	0.8712	1.7241	3.2061	5.7665	4.5972	4.4216	0.3731	0	0
Nitrogen Oxide	TM13	12	6	15	70	34	4	0.0571	0.7393	1.368	1.2003	1.5846	2.1053	3.6165		1.339	0.4614	0.8712	1.7241	3.2061	5.7665	4.5972	4.4216	0.3731	0.38483	0.62069
Nitrogen Oxide	TM13	12	7	15	70	34	31	0.0585	0.7571	1.4061	1.2381	1.6287	2.1724	3.7593		1.3804	0.4781	0.9029	1.7894	3.3121	6.0015	4.77	4.6242	0.3771	1.0503	1.69403
Nitrogen Oxide	TM13	12	8	15	69	33	70	0.0596	0.769	1.429	1.2604	1.6551	2.2126	3.8436		1.4063	0.4882	0.9217	1.8278	3.3749	6.1399	4.872	4.7424	0.3806	1.31387	2.11915
Nitrogen Oxide	TM13	12	9	16	65	33	169	0.0585	0.7555	1.4263	1.2594	1.6537	2.2086	3.8403		1.396	0.4865	0.9195	1.8262	3.372	6.1345	4.8678	4.7382	0.3768	1.85279	2.98837
Nitrogen Oxide	TM13	12	10	17	62	33	184	0.0574	0.7405	1.4216	1.2566	1.6497	2.201	3.831		1.3825	0.4841	0.9158	1.8217	3.3638	6.1196	4.856	4.7267	0.372	1.85897	2.99835
Nitrogen Oxide	TM13	12	11	18	58	33	118	0.0566	0.7294	1.4202	1.2566	1.6498	2.1992	3.8313		1.3745	0.483	0.9146	1.8219	3.364	6.1201	4.8564	4.727	0.3689	1.73138	2.79254
Nitrogen Oxide	TM13	12	12	19	57	33	103	0.0552	0.711	1.4104	1.2493	1.6393	2.1825	3.807		1.3529	0.4796	0.9069	1.8104	3.3427	6.0812	4.8254	4.6974	0.3617	1.68588	2.71868
Nitrogen Oxide	TM13	12	13	19	56	33	102	0.0554	0.7139	1.4136	1.252	1.6432	2.188	3.8159		1.3579	0.4798	0.9093	1.8147	3.3506	6.0957	4.837	4.7082	0.3632	1.77423	2.86166
Nitrogen Oxide	TM13	12	14	19	56	33	97	0.0554	0.7139	1.4136	1.252	1.6432	2.188	3.8159		1.3579	0.4798	0.9093	1.8147	3.3506	6.0957	4.837	4.7082	0.3632	1.75937	2.83769
Nitrogen Oxide	TM13	12	15	19	56	33	112	0.0554	0.7139	1.4136	1.252	1.6432	2.188	3.8159		1.3579	0.4798	0.9093	1.8147	3.3506	6.0957	4.837	4.7082	0.3632	1.76886	2.85301
Nitrogen Oxide	TM13	12	16	19	57	33	109	0.0552	0.711	1.4104	1.2493	1.6393	2.1825	3.807		1.3529	0.4786	0.9069	1.8104	3.3427	6.0812	4.8254	4.6971	0.3617	1.75765	2.83491
Nitrogen Oxide	TM13	12	17	18	60	32	109	0.057	0.7332	1.4356	1.2727	1.6669	2.2262	3.8957		1.3874	0.4901	0.9277	1.8505	3.4084	6.2269	4.9328	4.8231	0.3683	1.79574	2.89635
Nitrogen Oxide	TM13	12	18	18	64	32	110	0.0561	0.7219	1.4237	1.2626	1.6521	2.2053	3.8611		1.3681	0.4853	0.9184	1.8341	3.3781	6.1717	4.889	4.7785	0.3626	1.76351	2.84438
Nitrogen Oxide	TM13	12	19	17	65	32	112	0.0576	0.7421	1.4345	1.2706	1.6638	2.2238	3.8883		1.3915	0.4902	0.927	1.8471	3.402	6.2153	4.9235	4.8123	0.3703	1.7376	2.80257
Nitrogen Oxide	TM13	12	20	17	66	33	64	0.0566	0.73	1.4105	1.2471	1.6361	2.1817	3.7993		1.3647	0.4796	0.9072	1.8067	3.336	6.0691	4.8159	4.6877	0.3667	0.97483	1.57231
Nitrogen Oxide	TM13	12	21	17	66	33	35	0.0566	0.73	1.4105	1.2471	1.6361	2.1817	3.7993		1.3647	0.4796	0.9072	1.8067	3.336	6.0691	4.8159	4.6877	0.3667	1.06488	1.72077
Nitrogen Oxide	TM13	12	22	16	66	33	16	0.0583	0.753	1.4237	1.2571	1.6505	2.2041	3.8329		1.3918	0.4855	0.9176	1.8227	3.3655	6.1228	4.8584	4.729	0.3753	1.16347	1.87656
Nitrogen Oxide	TM13	12	23	16	66	33	13	0.0583	0.753	1.4237	1.2571	1.6505	2.2041	3.8329		1.3918	0.4855	0.9176	1.8227	3.3655	6.1228	4.8584	4.729	0.3753	0.61433	0.99086
Nitrogen Oxide	TM13	12	24	16	67	36	4	0.056	0.7237	1.3627	1.1971	1.58	2.0969	3.6059		1.325	0.4587	0.8672	1.719	3.1967	5.7496	4.5837	4.4088	0.3679	1.00755	1.62508
Nitrogen Oxide	TM14	1	1	17	76	52	28	0.0449	0.5841	1.1185	0.962	1.2894	1.6635	2.762		1.0524	0.3562	0.6696	1.3159	2.5231	4.3697	3.5443	3.3025	0.3275	1.88499	3.04031
Nitrogen Oxide	TM14	1	2	17	77	53	17	0.0447	0.5779	1.1079	0.9518	1.2751	1.6426	2.7239		1.0414	0.3517	0.6606	1.2969	2.4908	4.3076	3.4966	3.2868	0.3255	1.45875	2.35282
Nitrogen Oxide	TM14	1	3	17	77	53	17	0.0447	0.5779	1.1079	0.9518	1.2751	1.6426	2.7239		1.0414	0.3517	0.6606	1.2969	2.4908	4.3076	3.4966	3.2868	0.3255	1.46266	2.35913
Nitrogen Oxide	TM14	1	4	17	77	53	15	0.0447	0.5779	1.1079	0.9518	1.2751	1.6426	2.7239		1.0414	0.3517	0.6606	1.2969	2.4908	4.3076	3.4966	3.2868	0.3255	1.50794	2.43216
Nitrogen Oxide	TM14	1	5	17	77	53	17	0.0447	0.5779	1.1079	0.9501	1.2724	1.6389	2.7181		1.0378	0.3508	0.6589	1.2941	2.4854	4.2982	3.4927	3.2795	0.3243	1.30889	2.10822
Nitrogen Oxide	TM14	1	6	17	77	53	33	0.0447	0.5779	1.1079	0.9518	1.2751	1.6426	2.7239		1.0414	0.3517	0.6606	1.2969	2.4908	4.3076	3.4966	3.2868	0.3255	1.08147	1.74431
Nitrogen Oxide	TM14	1	7	16	77	51	54	0.0466	0.6067	1.1376	0.978	1.3122	1.6976	2.819		1.0811	0.3642	0.6848	1.3438	2.5724	4.4616	3.6162	3.3392	0.3359	1.23426	1.99073
Nitrogen Oxide	TM14	1	8	17	77	53	158	0.0529	0.6839	1.3412	1.183	1.554	2.0608	3.5664		1.275	0.4504	0.8519	1.699	3.1522	5.69	4.5295	4.3736	0.348	0.86762	1.39938
Nitrogen Oxide	TM14	1	9	17	73	34	426	0.0544	0.7026	1.3711	1.211	1.5892	2.1129	3.6683		1.3125	0.4631	0.8759	1.7461	3.2319	5.8563	4.6543	4.5123	0.3553	1.71976	2.7738
Nitrogen Oxide	TM14	1	10	19	69	34	500	0.0518	0.6675	1.3528	1.1976	1.57	2.0822	3.6241		1.2723	0.4549	0.8616	1.7249	3.1927	5.7853	4.5962	4.4576	0.3418	1.76345	2.84428
Nitrogen Oxide	TM14	1	11	20	64	33	602	0.052	0.6685	1.3735	1.219	1.5952	2.1186	3.7047		1.2884	0.4635	0.8783	1.7617	3.2529	5.9179	4.6958	4.5709	0.3419	1.4752	2.37936
Nitrogen Oxide	TM14	1	12	21	62	42	597	0.0462	0.5975	1.2167	1.065	1.4134	1.8437	3.134		1.1168	0.3959	0.7498	1.4974	2.8201	4.9809	4.0021	3.7644	0.3206	1.21825	1.96492
Nitrogen Oxide	TM14	1	13	21	61	42	547	0.0464	0.6	1.2199	1.0676	1.4173	1.8491	3.1428		1.1218	0.3971	0.7521	1.5016	2.828	4.9947	4.0133	3.7749	0.3221	1.29488	2.08852
Nitrogen Oxide	TM14	1	14	21	62	42	503	0.0462	0.5975	1.2167	1.065	1.4134	1.8437	3.134		1.1168	0.3959	0.7498	1.4974	2.8201	4.9809	4.0021	3.7644	0.3206	1.27282	2.05293
Nitrogen Oxide	TM14	1	15	21	62	43	581	0.0467	0.6035	1.2306	1.0788	1.4298	1.8682	3.184		1.1309	0.4017	0.7611	1.521	2.859	5.0629	4.0632	3.8357	0.322	1.33942	2.16043
Nitrogen Oxide	TM14	1	16	21	63	44	595	0.0451	0.5816	1.1873	1.0363	1.3785	1.7922	3.0321		1.0857	0.3837	0.7262	1.4487	2.739	4.8139	3.8766	3.6206	0.3165	1.27581	2.05727
Nitrogen Oxide	TM14	1	17	20	67	33	567	0.0513	0.6593	1.3634	1.2104	1.5828	2.101	3.6757		1.2724	0.4595	0.8706	1.748	3.2275	5.8717	4.6591	4.5351	0.3372	1.45283	2.34327
Nitrogen Oxide	TM14	1	18	19	72	33	536	0.0519	0.6671	1.363	1.2092	1.5809	2.1001	3.6714		1.2775	0.4597	0.8705	1.7459	3.2237	5.8648	4.6537	4.5298	0.3393	1.41922	2.28907
Nitrogen Oxide	TM14	1	19	18	74	33	576	0.0532	0.6848	1.3729	1.2166	1.5915	2.1168	3.6959		1.2987	0.4642	0.8782	1.7575	3.2452	5.9039	4.6847	4.5601	0.3464	1.53293	2.47246
Nitrogen Oxide	TM14	1	20	18	74	34	414	0.0525	0.6764	1.3532	1.1969	1.5688	2.0824	3.6214		1.2783	0.4554	0.862	1.7238	3.1904	5.7812	4.5949	4.4544	0.3443	1.21505	1.95976
Nitrogen Oxide	TM14	1	21	18	75	34	385	0.0523	0.6736	1.3503	1.1943	1.5632	2.0773	3.613		1.2736	0.4543	0.8598	1.7198	3.1832	5.768	4.5843	4.4443	0.3429	1.22359	1.97354
Nitrogen Oxide	TM14	1	22	18	75	34	152	0.0511	0.6577	1.3219	1.1699	1.5297	2.0181	2.7991		1.0439	0.3585	0.6758	1.3439	2.5012	4.4718	3.5841	3.2814	0.3197	1.46331	2.36017
Nitrogen Oxide	TM14	1	23	18	75	51	78	0.0439	0.5706	1.1164	0.963	1.2899	1.6642	2.771		1.0392	0.3555	0.6696	1.3209	2.5286	4.3856	3.5545	3.2824	0.3202	1.96432	3.16826
Nitrogen Oxide	TM14	1	24	17	76	52	65	0.0449	0.5841	1.1185	0.962	1.2894	1.6635	2.762		1.0524	0.3562	0.6696	1.3159	2.5231	4.3697	3.5443	3.3025	0.3275	2.05658	3.31707
Nitrogen Oxide	TM14	2	1	17	78	52	28	0.0446	0.5798	1.1139	0.9583	1.2839	1.6566	2.7502		1.0452	0.3544	0.6664	1.3102	2.5124	4.351	3.5292	3.2884	0.325	1.87635	3.02632
Nitrogen Oxide	TM14	2	2	17	80	53	17	0.0442	0.5713	1.1011	0.9464	1.2669	1.6315	2.7064		1.0308	0.3492	0.6557	1.2886	2.4748	4.28	3.4742	3.2657	0.3219	1.44843	2.33618
Nitrogen Oxide	TM14	2	3	17	81	53	17	0.0441	0.5691	1.0989	0.9446	1.2642	1.6277	2.7007		1.0271	0.3483	0.6541	1.2859	2.4695	4.2708	3.4668	3.2598	0.3206	1.44921	2.33744
Nitrogen Oxide	TM14	2	4	17	82	53	15	0.0438	0.567	1.0966	0.9428	1.2615	1.624	2.6948		1.0236	0.3474	0.6525	1.2831	2.4641	4.2617	3.4593	3.2517	0.3194	1.49059	2.40418
Nitrogen Oxide	TM14	2	5	16	83	53	17	0.0452	0.5856	1.1078	0.9507	1.2733	1.6415	2.72		1.0454	0.352	0.6605	1.2951	2.4872	4.3015	3.4917	3.2821	0.3276	1.30454	2.10409
Nitrogen Oxide	TM14	2	6	16	83	53	33	0.0452	0.5856	1.1078	0.9507	1.2733	1.6415	2.72		1.0454	0.352	0.6605	1.2951	2.4872	4.3015	3.4917	3.2821	0.3276	1.08192	1.74503
Nitrogen Oxide	TM14	2	7	16	83	51	54	0.0456	0.5941	1.1248	0.9675	1.2967	1.6763	2.7856		1.0607	0.3594	0.6756	1.3279	2.542	4.4088	3.5733	3.2998	0.329	1.21859	1.96547
Nitrogen Oxide	TM14	2	8	17	81	35	158	0.0522	0.6735	1.3304	1.174	1.5407	2.0421	3.536		1.2578	0.4462	0.8437	1.6844	3.1252	5.6415	4.4908	4.3363	0.3428	0.85872	1.38503
Nitrogen Oxide	TM14	2	9	18	77	34	426	0.0519	0.6681	1.3444	1.1895	1.538	2.0723	3.5965		1.2644	0.4521	0.8553	1.7119	3.1686	5.7413	4.5633	4.4239	0.3401	1.68162	2.71229
Nitrogen Oxide	TM14	2	10	19	73	34	500	0.0509	0.6559	1.3404	1.1871	1.5546	2.0606	3.5886		1.2524	0.4499	0.8521	1.7081	3.1616	5.7288	4.5532	4.414	0.3358	1.74511	2.8147
Nitrogen Oxide	TM14	2	11	20	70	33	602	0.0507	0.6508	1.3534	1.2019	1.5704	2.0833	3.6468		1.2564	0.4554	0.8628	1.7342	3.202	5.8254	4.6224	4.4994	0.3324	1.4507	2.33984
Nitrogen Oxide	TM14	2	12	20	68	42	597	0.0459	0.5936	1.2113	1.0605	1.4066	1.8357	3.119		1.1148	0.3945	0.7466	1.4902	2.8066	4.9569	3.9829	3.7462	0.3206	1.21259	1.9558
Nitrogen Oxide	TM14	2	13	21	65	42	547	0.0456	0.5897	1.2073	1.057	1.4015	1.8273	3.1077		1.1018	0.3921	0.7427	1.4848	2.7965	4.9391	3.9686	3.7328	0.3158	1.27967	2.06399
Nitrogen Oxide	TM14	2	14	21	65	42	503	0.0456	0.5897	1.2073	1.057	1.4015	1.8273	3.1077		1.1018	0.3921	0.7427	1.4848	2.7965	4.9391	3.9686	3.7328	0.3158	1.26156	2.03427
Nitrogen Oxide	TM14	2	15	21	66	41	581	0.0459	0.5931	1.218	1.068	1.4137	1.846	3.1484		1.1107	0.3967	0.7514	1.504	2.827	5.0063	4.0178	3.7928	0.3155	1.32373	2.13505
Nitrogen Oxide	TM14	2	16	20	68	44	595	0.045	0.5825	1.185	1.0345	1.3757	1.7897	3.0259		1.0887	0.3835	0.7255	1.4457	2.7333	4.8042	3.8687	3.6132	0.3182	1.27333	2.05376
Nitrogen Oxide	TM14	2	17	20	70	33	567	0.0507	0.6508	1.3534	1.2019	1.5704	2.0833	3.6468		1.2564	0.4554	0.8628	1.7342	3.202	5.8254	4.6224	4.4994	0.3324	1.44067	2.32367
Nitrogen Oxide	TM14	2	18	19	74	33	536	0.0514	0.6612	1.3568	1.2039	1.5731	2.0892	3.6533		1.2674	0.4572	0.8656	1.7373	3.2078	5.8359	4.6308	4.5075	0.3364	1.41173	2.27699
Nitrogen Oxide	TM14	2	19	18	76	33	576	0.0527	0.6793	1.367	1.2115	1.5842	2.1065	3.6789		1.2893	0.4617	0.8737	1.7495	3.2303	5.8768	4.6633	4.5391	0.3435	1.52543	2.46036
Nitrogen Oxide	TM14	2	20	18	78	34	414	0.0516	0.6654	1.3415	1.1871	1.5545	2.0621	3.5882		1.2597	0.4509	0.8531	1.708	3.1613	5.7283	4.5528	4.4137	0.3387	1.203	1.94033
Nitrogen Oxide	TM14	2	21	18	78	34	385	0.0516	0.6654	1.3415	1.1871	1.5545	2.0621	3.5882		1.2597	0.4509	0.8531	1.708	3.1613	5.7283	4.5528	4.4137	0.3387	1.21453	1.95891
Nitrogen Oxide	TM14	2	22	18	78	50	152	0.0437	0.5678	1.118	0.9659	1.2931	1.6699	2.7862		1.0361	0.3567	0.6721	1.3288	2.5396	4.4115	3.5725	3.2689	0.3171	1.45613	2.3486
Nitrogen Oxide	TM14	2	23	18	78	51	78	0.0433	0.5635	1.109	0.957	1.281	1.652	2.7518		1.0277	0.3528	0.6643	1.3118	2.5112	4.3554	3.53	3.2598	0.3164	1.95021	3.1455
Nitrogen Oxide	TM14	2	24	18	78	52	65	0.0431	0.5595	1.1005	0.9484	1.2693	1.6347	2.7189		1.02	0.3491	0.6568	1.2953	2.4838	4.3014	3.489	3.251	0.3156	2.0221	3.26145
Nitrogen Oxide	TM14	3	1	21	86	52	28	0.0378	0.4905	1.0349	0.8961	1.1912	1.5245	2.5516		0.9025	0.3231	0.6081	1.2157	2.331	4.0368	3.2744	3.051	0.2736	1.72493	2.78215
Nitrogen Oxide	TM14	3	2	20	87	53	17	0.0387	0.499	1.0401	0.899	1.1962	1.5314	2.5556		0.9216	0.3251	0.6114	1.2168	2.3368	4.0415	3.2806	3.0837	0.2823	1.33383	2.1836
Nitrogen Oxide	TM14	3	3	20	87	53	17	0.0387	0.499	1.0401	0.899	1.1962	1.5314	2.5556		0.9216	0.3251	0.6114	1.2168	2.3368	4.0415	3.2806	3.0837	0.2823	1.3608	2.19484
Nitrogen Oxide	TM14	3	4	20	87	53	15	0.0387	0.499	1.0401	0.899	1.1962	1.5314	2.5556		0.9216	0.3251	0.6114	1.2168	2.3368	4.0415	3.2806	3.0837	0.2823	1.40284	2.26265
Nitrogen Oxide	TM14	3	5	20	87	53	17	0.0387	0.499	1.0401	0.899	1.1962	1.5314	2.5556		0.9216	0.3251	0.6114	1.

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:

(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.

(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Oxide	TM14	5	15	29	75	41	581	0.0351	0.4522	1.0365	0.9122	1.1837	1.5244	2.6362		0.8083	0.3233	0.6108	1.2593	2.3671	4.1918	3.3642	3.1757	0.2181	1.09779	1.77063
Nitrogen Oxide	TM14	5	16	29	77	44	595	0.0334	0.4297	0.9919	0.8699	1.1318	1.4493	2.4894		0.7633	0.3056	0.577	1.1894	2.2487	3.9524	3.1828	2.9726	0.2104	1.03532	1.66987
Nitrogen Oxide	TM14	5	17	28	78	33	562	0.0388	0.497	1.1596	1.033	1.3248	1.7324	3.0765		0.9224	0.3741	0.7072	1.4629	2.7013	4.9145	3.8996	3.7959	0.2315	1.20194	1.93861
Nitrogen Oxide	TM14	5	18	28	81	33	536	0.0376	0.4822	1.1429	1.019	1.3042	1.7035	3.0266		0.8966	0.3675	0.6944	1.4402	2.6593	4.838	3.8389	3.7367	0.224	1.15422	1.86165
Nitrogen Oxide	TM14	5	19	27	84	33	576	0.0379	0.4859	1.1529	1.0282	1.3176	1.7225	3.06		0.9131	0.3717	0.7028	1.4551	2.6868	4.888	3.8787	3.7754	0.2289	1.25155	2.01862
Nitrogen Oxide	TM14	5	20	27	87	34	414	0.0364	0.4663	1.1208	0.9985	1.2797	1.6677	2.9541		0.8747	0.3587	0.6779	1.4061	2.6027	4.716	3.7482	3.6336	0.2204	0.97396	1.5709
Nitrogen Oxide	TM14	5	21	27	88	34	385	0.036	0.4618	1.1157	0.9942	1.2734	1.6588	2.9394		0.8667	0.3566	0.674	1.3991	2.5897	4.6925	3.7296	3.6156	0.218	0.97959	1.57999
Nitrogen Oxide	TM14	5	22	26	89	50	152	0.0316	0.4075	0.9458	0.8246	1.0822	1.3753	2.3316		0.7388	0.2883	0.5432	1.1121	2.1253	3.6918	2.9898	2.7357	0.2134	1.20172	1.93827
Nitrogen Oxide	TM14	5	23	26	89	51	78	0.0314	0.4044	0.9381	0.817	1.072	1.3606	2.3029		0.7326	0.2851	0.5368	1.0978	2.1015	3.6449	2.9541	2.728	0.2129	1.61594	2.60636
Nitrogen Oxide	TM14	5	24	26	90	52	65	0.0308	0.3978	0.9267	0.8065	1.0573	1.3397	2.2648		0.7208	0.2806	0.5277	1.079	2.069	3.5832	2.9064	2.7081	0.2103	1.66734	2.68925
Nitrogen Oxide	TM14	6	1	28	88	52	28	0.0288	0.3721	0.8903	0.7754	1.011	1.2769	2.1656		0.6634	0.2665	0.5006	1.0318	1.9783	3.4261	2.779	2.5894	0.1909	1.44239	2.32644
Nitrogen Oxide	TM14	6	2	27	89	53	17	0.0298	0.3817	0.9018	0.7844	1.0253	1.2953	2.1902		0.6875	0.2707	0.5085	1.0428	2.0027	3.4636	2.8115	2.6428	0.2004	1.13906	1.83719
Nitrogen Oxide	TM14	6	3	27	89	53	17	0.0298	0.3817	0.9018	0.7844	1.0253	1.2953	2.1902		0.6875	0.2707	0.5085	1.0428	2.0027	3.4636	2.8115	2.6428	0.2004	1.15166	1.85752
Nitrogen Oxide	TM14	6	4	27	88	53	15	0.0301	0.3856	0.9061	0.7878	1.0304	1.3023	2.2012		0.694	0.2724	0.5116	1.0481	2.0128	3.481	2.8256	2.6561	0.2025	1.19249	1.92338
Nitrogen Oxide	TM14	6	5	27	89	53	17	0.0298	0.3817	0.9018	0.7844	1.0253	1.2953	2.1902		0.6875	0.2707	0.5085	1.0428	2.0027	3.4636	2.8115	2.6428	0.2004	1.01902	1.64358
Nitrogen Oxide	TM14	6	6	27	90	53	33	0.0295	0.378	0.8976	0.7809	1.0201	1.2884	2.1792		0.681	0.2692	0.5056	1.0375	1.9926	3.4462	2.7973	2.6295	0.1982	0.84749	1.36692
Nitrogen Oxide	TM14	6	7	28	87	53	54	0.0294	0.379	0.902	0.7861	1.026	1.2979	2.2039		0.6757	0.271	0.5098	1.0506	2.0112	3.4881	2.8271	2.6106	0.1936	0.94481	1.52389
Nitrogen Oxide	TM14	6	8	29	82	35	158	0.0349	0.4466	1.0785	0.9591	1.2271	1.5926	2.8162		0.8179	0.3412	0.6443	1.3416	2.489	4.4931	3.5766	3.4536	0.2061	0.65145	1.05073
Nitrogen Oxide	TM14	6	9	29	76	34	426	0.0365	0.4675	1.1112	0.989	1.2659	1.6483	2.9221		0.8579	0.3544	0.6695	1.3908	2.5744	4.6648	3.7076	3.5943	0.2154	1.34438	2.16836
Nitrogen Oxide	TM14	6	10	30	76	34	500	0.0364	0.4663	1.1025	0.9808	1.2539	1.6315	2.8943		0.8432	0.3508	0.6621	1.3777	2.5499	4.6206	3.6724	3.5601	0.211	1.38792	2.23857
Nitrogen Oxide	TM14	6	11	30	75	33	602	0.0374	0.4779	1.125	1.0022	1.2798	1.6693	2.9719		0.8666	0.36	0.6794	1.4133	2.6095	4.7474	3.7671	3.6668	0.2152	1.16838	1.88449
Nitrogen Oxide	TM14	6	12	30	74	42	597	0.034	0.4375	1.0067	0.8849	1.1472	1.4727	2.5437		0.7697	0.3115	0.588	1.2153	2.2889	4.0426	3.2482	3.0553	0.2081	0.9764	1.57483
Nitrogen Oxide	TM14	6	13	31	73	42	547	0.0331	0.4269	0.9884	0.869	1.1234	1.44	2.4912		0.7405	0.3044	0.5739	1.1902	2.2416	3.9592	3.1811	2.9922	0.1989	1.01359	1.63483
Nitrogen Oxide	TM14	6	14	31	72	42	503	0.0336	0.4324	0.9944	0.8739	1.1308	1.4501	2.5074		0.7497	0.3068	0.5782	1.1979	2.2563	3.985	3.2019	3.0117	0.2018	1.00659	1.62354
Nitrogen Oxide	TM14	6	15	30	74	41	581	0.0343	0.4418	1.0184	0.8964	1.1605	1.4922	2.5843		0.7795	0.3162	0.5969	1.2345	2.3205	4.1092	3.2979	3.1132	0.2091	1.07555	1.73475
Nitrogen Oxide	TM14	6	16	30	74	44	595	0.0333	0.4293	0.9848	0.8633	1.122	1.4338	2.4678		0.7514	0.3028	0.5711	1.1791	2.2293	3.9181	3.1552	2.9468	0.2065	1.02658	1.65578
Nitrogen Oxide	TM14	6	17	30	75	33	567	0.0374	0.4779	1.125	1.0022	1.2798	1.6693	2.9719		0.8666	0.36	0.6794	1.4133	2.6095	4.7474	3.7671	3.6668	0.2152	1.15989	1.87079
Nitrogen Oxide	TM14	6	18	29	79	33	536	0.037	0.4734	1.1276	1.0051	1.2841	1.6754	2.9822		0.8718	0.3613	0.6822	1.4182	2.6185	4.7638	3.78	3.6794	0.2162	1.13595	1.83218
Nitrogen Oxide	TM14	6	19	29	81	33	576	0.0362	0.4629	1.1158	0.9952	1.2695	1.655	2.9482		0.8535	0.3566	0.6731	1.402	2.5887	4.7096	3.737	3.6376	0.2113	1.20435	1.94251
Nitrogen Oxide	TM14	6	20	28	83	34	414	0.0364	0.4666	1.1154	0.9933	1.273	1.6569	2.9362		0.8652	0.3562	0.6732	1.3976	2.5869	4.6874	3.7255	3.6117	0.2175	0.96867	1.56237
Nitrogen Oxide	TM14	6	21	28	85	34	385	0.0358	0.4571	1.1045	0.984	1.2585	1.638	2.905		0.8483	0.3552	0.6649	1.3827	2.5593	4.6376	3.6859	3.5732	0.2126	0.96844	1.56199
Nitrogen Oxide	TM14	6	22	28	86	50	152	0.03	0.386	0.9141	0.7972	1.0413	1.3197	2.2434		0.6884	0.2758	0.5193	1.07	2.0549	3.5322	2.8767	2.6322	0.1963	1.15444	1.862
Nitrogen Oxide	TM14	6	23	28	87	51	78	0.0294	0.379	0.902	0.7861	1.026	1.2979	2.2039		0.6757	0.271	0.5098	1.0506	2.0112	3.4881	2.8271	2.6106	0.1936	1.54365	2.48976
Nitrogen Oxide	TM14	6	24	28	87	52	65	0.0292	0.3762	0.8948	0.7791	1.0165	1.2843	2.1775		0.6703	0.2681	0.5039	1.0374	1.9891	3.4449	2.7942	2.6036	0.1931	1.60022	2.581
Nitrogen Oxide	TM14	7	1	28	84	52	28	0.0301	0.3883	0.9084	0.7902	1.0331	1.3068	2.213		0.691	0.2731	0.5136	1.0543	2.0216	3.5012	2.8398	2.646	0.2002	1.47689	2.38208
Nitrogen Oxide	TM14	7	2	28	86	53	17	0.0301	0.3857	0.9015	0.7834	1.0238	1.2935	2.1872		0.686	0.2705	0.5078	1.0413	2	3.4588	2.8076	2.6391	0.1998	1.13812	1.83568
Nitrogen Oxide	TM14	7	3	28	86	53	17	0.0295	0.3776	0.8925	0.776	1.0129	1.2786	2.1637		0.6722	0.2667	0.5014	1.0302	1.9785	3.4218	2.7775	2.6109	0.1951	1.13744	1.83457
Nitrogen Oxide	TM14	7	4	28	86	53	13	0.0295	0.3776	0.8925	0.776	1.0129	1.2786	2.1637		0.6722	0.2667	0.5014	1.0302	1.9785	3.4218	2.7775	2.6109	0.1951	1.17112	1.88889
Nitrogen Oxide	TM14	7	5	28	88	53	17	0.0288	0.3696	0.8835	0.7688	1.0019	1.2638	2.1403		0.6585	0.2637	0.4949	1.0191	1.9571	3.3847	2.7474	2.5825	0.1905	0.99412	1.60343
Nitrogen Oxide	TM14	7	6	27	88	53	33	0.0301	0.3856	0.9061	0.7878	1.0304	1.3023	2.2012		0.694	0.2724	0.5116	1.0481	2.0128	3.481	2.8256	2.6561	0.2025	0.85678	1.3819
Nitrogen Oxide	TM14	7	7	28	86	51	54	0.0297	0.3831	0.9066	0.7898	1.0315	1.3056	2.2158		0.6826	0.2728	0.5131	1.0563	2.0221	3.507	2.8424	2.6249	0.196	0.95032	1.53278
Nitrogen Oxide	TM14	7	8	29	81	35	158	0.0353	0.4516	1.0842	0.964	1.2342	1.6025	2.8324		0.8268	0.3434	0.6486	1.3493	2.5034	4.5191	3.5973	3.4735	0.2088	0.65606	1.05815
Nitrogen Oxide	TM14	7	9	30	76	34	426	0.0364	0.4663	1.1025	0.9808	1.2539	1.6315	2.8943		0.8432	0.3508	0.6621	1.3777	2.5499	4.6206	3.6724	3.5601	0.211	1.33165	2.14781
Nitrogen Oxide	TM14	7	10	31	70	34	500	0.0377	0.4839	1.1142	0.99	1.2673	1.6503	2.9252		0.8602	0.3553	0.6703	1.3972	2.5772	4.6699	3.7121	3.5982	0.2126	1.40481	2.26582
Nitrogen Oxide	TM14	7	11	31	68	33	602	0.0392	0.5024	1.1439	1.0175	1.302	1.7005	3.0236		0.8948	0.3674	0.6932	1.4378	2.6548	4.83	3.8326	3.7306	0.2234	1.19132	1.92149
Nitrogen Oxide	TM14	7	12	32	67	42	597	0.0345	0.4453	1.001	0.8788	1.1379	1.4601	2.5233		0.7589	0.3093	0.5826	1.2056	2.2706	4.0103	3.2223	3.0309	0.2047	0.97007	1.56464
Nitrogen Oxide	TM14	7	13	32	66	42	547	0.035	0.4513	1.0073	0.8841	1.1457	1.4708	2.5405		0.7685	0.3117	0.5872	1.2138	2.2861	4.0376	3.2443	3.0516	0.2078	1.03648	1.67174
Nitrogen Oxide	TM14	7	14	32	66	42	503	0.035	0.4513	1.0073	0.8841	1.1457	1.4708	2.5405		0.7685	0.3117	0.5872	1.2138	2.2861	4.0376	3.2443	3.0516	0.2078	1.02208	1.64851
Nitrogen Oxide	TM14	7	15	31	68	41	581	0.0356	0.4589	1.03	0.9053	1.1735	1.5103	2.6134		0.7961	0.3205	0.6048	1.2484	2.3455	4.1555	3.3353	3.1482	0.2143	1.75743	2.83491
Nitrogen Oxide	TM14	7	16	31	69	44	595	0.0341	0.4404	0.9901	0.8671	1.1274	1.4434	2.4798		0.7585	0.3048	0.5745	1.1849	2.2401	3.9372	3.1706	2.9613	0.2088	1.03295	1.66605
Nitrogen Oxide	TM14	7	17	31	70	33	567	0.0382	0.49	1.1305	1.0062	1.2856	1.6774	2.9854		0.8742	0.3622	0.6831	1.4197	2.6213	4.769	3.7841	3.6835	0.2174	1.16663	1.88166
Nitrogen Oxide	TM14	7	18	30	73	33	536	0.0382	0.4893	1.1375	1.0128	1.2952	1.691	3.0079		0.886	0.365	0.689	1.4304	2.6411	4.8049	3.8127	3.7112	0.2209	1.14774	1.8512
Nitrogen Oxide	TM14	7	19	29	76	33	576	0.0382	0.4896	1.1453	1.0203	1.3061	1.7061	3.0331		0.8992	0.3682	0.6957	1.4424	2.6632	4.845	3.8445	3.7422	0.2248	1.2415	2.00242
Nitrogen Oxide	TM14	7	20	29	79	34	414	0.0365	0.4675	1.1112	0.989	1.2659	1.6483	2.9221		0.8579	0.3544	0.6695	1.3908	2.5744	4.6648	3.7076	3.5943	0.2154	0.96462	1.55584
Nitrogen Oxide	TM14	7	21	29	81	34	385	0.0358	0.4571	1.0996	0.9792	1.2515	1.6282	2.8888		0.8398	0.3498	0.6606	1.3751	2.5451	4.6117	3.6653	3.5533	0.21	0.96361	1.55421
Nitrogen Oxide	TM14	7	22	29	82	50	152	0.03	0.3858	0.9097	0.7931	1.0351	1.3112	2.2301		0.681	0.2739	0.5158	1.0637	2.0328	3.5311	2.8596	2.6166	0.194	1.1478	1.85129
Nitrogen Oxide	TM14	7	23	28	83	51	78	0.0306	0.3953	0.9202	0.8011	1.0483	1.3283	2.2519		0.7035	0.2778	0.5229	1.0735	2.055	3.564	2.8886	2.6675	0.203	1.57891	2.54662
Nitrogen Oxide	TM14	7	24	28	84	52	65	0.0301	0.3883	0.9084	0.7902	1.0331	1.3068	2.213		0.691	0.2731	0.5136	1.0543	2.0216	3.5012	2.8398	2.646	0.2002	1.62763	2.62521
Nitrogen Oxide	TM14	8	1	27	90	52	28	0.0295	0.3807	0.9044	0.7877	1.0293	1.3018	2.205		0.6862	0.2722	0.5113	1.0505	2.0142	3.4884	2.8295	2.6364	0.1986	1.4706	2.37193
Nitrogen Oxide	TM14	8	2	26	90	53	17	0.0308	0.3951	0.9197	0.7995	1.0478	1.3259	2.2384		0.7155	0.2777	0.5217	1.0657	2.0468	3.5399	2.8734	2.701	0.2099	1.16656	1.88155
Nitrogen Oxide	TM14	8	3	26	91	53	17	0.0305	0.3914	0.9117	0.7962	1.043	1.3193	2.2281		0.7094	0.2762	0.5189	1.0609	2.0373	3.5235	2.8601	2.6885	0.2078	1.17266	1.89139
Nitrogen Oxide	TM14	8	4	26	92	53	15	0.0302	0.3881	0.9117	0.7929	1.0381	1.3128	2.2177		0.7034	0.2747	0.5161	1.0559	2.0278	3.507	2.8468	2.676	0.2058	1.20168	1.93819
Nitrogen Oxide	TM14	8	5	26	93	53	17	0.03	0.3846	0.9077	0.7898	1.0333	1.3063	2.2073		0.6973	0.2732	0.5132	1.051	2.0183	3.4907	2.8335	2.6634	0.2037	1.02726	1.65688
Nitrogen Oxide	TM14	8	6	26	94	53	33	0.0298	0.3811	0.9037	0.7865	1.0284	1.2996	2.197		0.6912	0.2718	0.5104	1.046	2.0089	3.4743	2.8202	2.6509	0.2016	0.85437	1.37692
Nitrogen Oxide	TM14	8	7	26	93	53	54	0.0302	0.3902	0.9219	0.8037	1.0523	1.3337	2.2605		0.708	0.2791	0.5252	1.0776	2.0628	3.5777	2.8997	2.6778	0.2045	0.96943	1.56359
Nitrogen Oxide	TM14	8	8	27	87	35	158	0.0359	0.4608	1.105	0.983	1.2621	1.6414	2.8965		0.861	0.3521	0.6656	1.3798	2.5691	4.6213	3.6786	3.5523	0.2192	1.08224	1.74357
Nitrogen Oxide	TM14	8	9	29	81	34	426	0.0358	0.4571	1.0996	0.9792	1.2515	1.6282	2.8888		0.8398	0.3498	0.6606	1.3751	2.5451	4.6117	3.6653	3.5533	0.21	1.32793	2.14182
Nitrogen Oxide	TM14	8	10	30	76	34	500	0.0364	0.4663	1.1025	0.9808	1.2539	1.6315	2.8943		0.8432	0.3508	0.6621	1.3777	2.5499	4.6206	3.6724	3.5601	0.211	1.38792	2.23857
Nitrogen Oxide	TM14	8	11	30	73	33	602	0.0382	0.4893	1.1375	1.0128	1.2952	1.691	3.0079		0.886	0.365	0.689	1.4304	2.6411	4.8049	3.8127	3.7112	0.2209	1.18358	1.909
Nitrogen Oxide	TM14	8	12	30	73	42	597	0.0343	0.4426	1.0123	0.8896	1.1541	1.4822	2.559		0.7783	0.3137	0.5921	1.2226	2.3027	4.067	3.2678	3.0737	0.2109	0.98275	1.58509
Nitrogen Oxide	TM14	8	13	30	74	42	547	0.034	0.4375	1.0067	0.8849	1.1472	1.4727	2.5437		0.7697	0.3115	0.588	1.2153	2.2889	4.0426	3.2482	3.0553	0.2081	1.0352	1.67049
Nitrogen Oxide	TM14	8	14	30	74	42	503	0.034	0.4375	1.0067	0.8849	1.1472	1.4727	2.5437		0.7697	0.3115	0.588	1.2153	2.2889	4.0426	3.2482	3.0553	0.2081	1.02129	1.64725
Nitrogen Oxide	TM14	8	15	30	75	41	581	0.0339	0.4366	1.0128	0.8917	1.1534	1.4826	2.5686		0.7708	0.3114	0.5927	1.2271	2.3065	4.0845	3.278	3.0944	0.2063	1.06859	1.72353
Nitrogen Oxide	TM14	8	16	29	77	44	595	0.0334	0.4297	0.9919	0.8699	1.1318	1.4493	2.4894		0.7633	0.3056	0.577	1.1894	2.2487	3.9524	3.1828	2.9726	0.2104	1.03532	1.66987
Nitrogen Oxide	TM14	8	17	29	79	33	567	0.037	0.4734	1.1276	1.0051	1.2841	1.6754	2.9822		0.8718	0.3613	0.6822	1.4182	2.6185	4.7638	3.78	3.6794	0.2167	1.16306	1.8759
Nitrogen Oxide	TM14	8	18	28	83	33	536	0.038	0.4869	1.1485	1.0236	1.3111	1.7131	3.0446		0.9051	0.3697	0.6987	1.4478	2.6732	4.8634	3.8591	3.7564	0.2263	1.16075	1.87218
Nitrogen Oxide	TM14	8	19	28	82	33	576	0.0373	0.4773	1.1374	1.0142	1.2971	1.6918	3.0127		0.8879	0.3653	0.6911	1.4326	2.6452	4.8124	3.8187	3.7127	0.2214	1.23172	1.98664
Nitrogen Oxide	TM14	8	20	28	84	34	414	0.036	0.4618	1.11	0.9886	1.2652	1.6474	2.9206		0.8568	0.3541	0.669	1.3902	2.5731	4.6624	3.7057	3.5924	0.2151	0.96307	1.55334
Nitrogen Oxide	TM14	8	21	27	85	34	385	0.0371	0.4754	1.1311	1.0073	1.2925	1.6855	2.9836		0.8906	0.3627	0.6857	1.4201	2.6285	4.763	3.7856	3.6699	0.2252	0.99546	1.60558
Nitrogen Oxide	TM14	8	22	27	87	50	152	0.0309	0.398	0.9321	0.8128	1.0646	1.3514	2.2937		0.7172	0.2828	0.5329	1.094	2.0908	3.6319	2.9412	2.6913	0.2062	1.18137	1.90544
Nitrogen Oxide	TM14	8	23	27	89	53	78	0.0303	0.3912	0.9203	0.8018	1.0494	1.3298	2.2542		0.7046	0.2781	0.5255	1.0746	2.0571	3.5678	2.8917	2.6703	0.2034	1.58036	2.54897
Nitrogen Oxide	TM14	8	24	27	89	52	65	0.0298	0.3845	0.9087	0.7911	1.0345	1.3088	2.2161		0.6927	0.2735	0.5144	1.0558	2.0244	3.506	2.8438	2.6498	0.2007	1.62984	2.62878
Nitrogen Oxide	TM14	9	1	27	89	52	28	0.0298	0.3845	0.9087	0.7911	1.0345	1.3088	2.2161		0.6927	0.2735	0.5144	1.0558	2.0244	3.506	2.8438	2.6498	0.2007	1.47871	2.38502
Nitrogen Oxide	TM14	9	2	26	89	53	17	0.0311	0.3986	0.9236	0.8027	1.0527	1.3325	2.2488		0.7216	0.2791	0.5246	1.0707	2.0563	3.5563	2.8867	2.7134	0.2119	1.17258	1.89125
Nitrogen Oxide	TM14	9	3	26	91	53	17	0.0305	0.3916	0.9157	0.7962	1.043	1.3193	2.2281		0.7094	0.2762	0.5189	1.0609	2.0373	3.5235	2.8601	2.6885	0.2078	1.17266	1.89139
Nitrogen Oxide	TM14	9	4	26	92	53	15	0.0302	0.3881	0.9117	0.7929	1.0381	1.3128	2.2177		0.7034	0.2747	0.5161	1.0559	2.0278	3.507	2.8468	2.676	0.2058	1.20168	1.93819
Nitrogen Oxide	TM14	9	5	26	92	53	17	0.0302	0.3881	0.9117	0.7929	1.0381	1.3128	2.2177		0.7034	0.2747	0.5161	1.0559	2.0278	3.507	2.8468	2.676	0.2058	1.03261	1.6655
Nitrogen Oxide	TM14	9	6	26	93	53	33	0.03	0.3846	0.9077	0.7898	1.0333	1.3063	2.2073		0.6973	0.2732	0.5132	1.051	2.0183	3.4907	2.8335	2.6634	0.2037	0.85873	1.38505
Nitrogen Oxide	TM14	9	7	26	93	51	54	0.0302	0.3902	0.9219	0.8037	1.0523	1.3337	2.2605		0.708	0.2791	0.5252	1.0776	2.0628	3.5777	2.8997	2.6778	0.2045	0.96943	1.56359
Nitrogen Oxide	TM14	9	8	27	88	35	158	0.0357	0.4562	1.1	0.9787	1.2558	1.6327	2.8821		0.8532	0.3501	0.6618	1.3729	2.5473	4.5982	3.6603	3.5344	0.2168	0.66694	1.07571
Nitrogen Oxide	TM14	9	9	28	83	34	426	0.0364	0.4666	1.1154	0.9933	1.273	1.6569	2.9362		0.8652	0.3562	0.6732	1.3976	2.5869	4.6874	3.7255	3.6117	0.2175	1.35067	2.17849
Nitrogen Oxide	TM14	9	10	29	78	34	500	0.0369	0.4729	1.117	0.994	1.2731	1.6584	2.9387		0

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:

(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.

(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Oxide	TM14	11	20	22	70	34	414	0.0479	0.616	1.3024	1.1553	1.5084	1.9907	3.4819		1.1722	0.4329	0.8202	1.6573	3.0676	5.5586	4.4179	4.2829	0.3099	1.16077	1.87221
Nitrogen Oxide	TM14	11	21	22	72	34	385	0.0474	0.6097	1.2949	1.149	1.4991	1.9775	3.4604		1.1604	0.4299	0.8145	1.6471	3.0487	5.5242	4.3906	4.2564	0.3064	1.16453	1.87827
Nitrogen Oxide	TM14	11	22	22	74	50	152	0.0397	0.5151	1.0723	0.9297	1.2394	1.5912	2.6701		0.944	0.3374	0.6368	1.2735	2.4338	4.2278	3.4239	3.1328	0.2834	1.38814	2.23893
Nitrogen Oxide	TM14	11	23	22	74	51	78	0.0395	0.5112	1.0637	0.9211	1.2277	1.5742	2.6373		0.9363	0.3337	0.6293	1.2572	2.4067	4.1741	3.3831	3.1241	0.2827	1.86244	3.00394
Nitrogen Oxide	TM14	11	24	21	74	52	65	0.0401	0.5198	1.0696	0.9247	1.2341	1.5827	2.6433		0.9569	0.3361	0.6332	1.2594	2.4147	4.182	3.3921	3.1606	0.2921	1.961	3.1629
Nitrogen Oxide	TM14	12	1	16	68	52	28	0.0477	0.6211	1.1481	0.9848	1.3233	1.7114	2.8347		1.1034	0.3676	0.6907	1.3505	2.5895	4.4847	3.6376	3.3895	0.3457	1.94054	3.1299
Nitrogen Oxide	TM14	12	2	16	69	53	17	0.0474	0.6147	1.1376	0.9746	1.3089	1.6902	2.7962		1.0923	0.3632	0.6816	1.3313	2.5568	4.4219	3.5894	3.3739	0.3438	1.50416	2.42606
Nitrogen Oxide	TM14	12	3	16	69	53	17	0.0474	0.6147	1.1376	0.9746	1.3089	1.6902	2.7962		1.0923	0.3632	0.6816	1.3313	2.5568	4.4219	3.5894	3.3739	0.3438	1.50682	2.43036
Nitrogen Oxide	TM14	12	4	15	70	53	15	0.0488	0.6321	1.1466	0.9806	1.3178	1.704	2.8152		1.1108	0.3669	0.6879	1.3404	2.5743	4.4521	3.6139	3.397	0.3509	1.56722	2.52777
Nitrogen Oxide	TM14	12	5	15	70	53	17	0.0488	0.6321	1.1466	0.9806	1.3178	1.704	2.8152		1.1108	0.3669	0.6879	1.3404	2.5743	4.4521	3.6139	3.397	0.3509	1.35801	2.19034
Nitrogen Oxide	TM14	12	6	15	70	53	33	0.0488	0.6321	1.1466	0.9806	1.3178	1.704	2.8152		1.1108	0.3669	0.6879	1.3404	2.5743	4.4521	3.6139	3.397	0.3509	1.12516	1.81477
Nitrogen Oxide	TM14	12	7	15	70	51	54	0.0492	0.6412	1.1639	0.998	1.3421	1.7401	2.8832		1.1272	0.3746	0.7036	1.3744	2.631	4.5631	3.6984	3.4152	0.3524	1.26652	2.04277
Nitrogen Oxide	TM14	12	8	15	69	35	158	0.058	0.7503	1.389	1.2208	1.609	2.1422	3.6927		1.363	0.4705	0.8886	1.7591	3.2637	5.8915	4.6898	4.5284	0.3762	0.91232	1.47148
Nitrogen Oxide	TM14	12	9	16	65	34	426	0.0578	0.7461	1.4058	1.239	1.6302	2.1727	3.7629		1.3742	0.4775	0.9026	1.7911	3.3151	6.0071	4.7744	4.6285	0.3746	1.76959	2.85418
Nitrogen Oxide	TM14	12	10	17	62	34	500	0.0566	0.7314	1.4012	1.2563	1.6261	2.1651	3.7537		1.3608	0.475	0.8989	1.7868	3.3071	5.9923	4.7628	4.6173	0.3698	1.83492	2.95954
Nitrogen Oxide	TM14	12	11	18	58	33	602	0.0566	0.7294	1.4202	1.2566	1.6498	2.1992	3.8313		1.3745	0.4853	0.9146	1.8219	3.364	6.1201	4.8564	4.727	0.3689	1.53298	2.47254
Nitrogen Oxide	TM14	12	12	19	57	42	597	0.0496	0.6432	1.2566	1.097	1.4606	1.9122	3.2388		1.1905	0.4123	0.7803	1.5474	2.9144	5.1473	4.1359	3.8902	0.3456	1.26462	2.03972
Nitrogen Oxide	TM14	12	13	19	56	42	547	0.0498	0.6459	1.2594	1.0994	1.4641	1.9171	3.2465		1.195	0.4133	0.7824	1.5511	2.9213	5.1595	4.1457	3.8995	0.347	1.34326	2.16655
Nitrogen Oxide	TM14	12	14	19	56	42	503	0.0498	0.6459	1.2594	1.0994	1.4641	1.9171	3.2465		1.195	0.4133	0.7824	1.5511	2.9213	5.1595	4.1457	3.8995	0.347	1.32419	2.13579
Nitrogen Oxide	TM14	12	15	19	56	41	581	0.0504	0.6523	1.2738	1.1136	1.481	1.9424	3.2982		1.21	0.4194	0.7942	1.5756	2.9616	5.2445	4.209	3.9732	0.3485	1.39308	2.2469
Nitrogen Oxide	TM14	12	16	19	57	44	593	0.0487	0.6311	1.2294	1.0701	1.4286	1.8642	3.1423		1.1628	0.4008	0.7582	1.5013	2.8384	4.9888	4.0174	3.752	0.343	1.32732	2.14084
Nitrogen Oxide	TM14	12	17	18	60	33	567	0.0562	0.7238	1.4144	1.2515	1.6425	2.1889	3.8143		1.365	0.4806	0.9101	1.8139	3.3492	6.0931	4.8349	4.7062	0.366	1.51558	2.44449
Nitrogen Oxide	TM14	12	18	18	64	33	536	0.0553	0.7127	1.4025	1.2415	1.6279	2.1683	3.7805		1.3461	0.476	0.901	1.7978	3.3195	6.0391	4.7919	4.6644	0.3604	1.4666	2.36548
Nitrogen Oxide	TM14	12	19	17	65	33	576	0.0568	0.7327	1.4133	1.2495	1.6395	2.1864	3.8073		1.3692	0.4807	0.9094	1.8105	3.343	6.0817	4.8258	4.6974	0.368	1.58422	2.55519
Nitrogen Oxide	TM14	12	20	17	66	34	414	0.0559	0.7209	1.3902	1.2271	1.6127	2.1462	3.7226		1.3432	0.4706	0.8906	1.7719	3.2798	5.943	4.7234	4.579	0.3645	1.25418	2.02286
Nitrogen Oxide	TM14	12	21	17	66	34	385	0.0559	0.7209	1.3902	1.2271	1.6127	2.1462	3.7226		1.3432	0.4706	0.8906	1.7719	3.2798	5.943	4.7234	4.579	0.3645	1.26588	2.04174
Nitrogen Oxide	TM14	12	22	16	66	50	152	0.0488	0.6311	1.1706	1.0063	1.3534	1.7536	2.9161		1.1276	0.3772	0.71	1.3909	2.658	4.6173	3.7292	3.4214	0.3496	1.53271	2.47211
Nitrogen Oxide	TM14	12	23	16	66	51	78	0.0484	0.6299	1.1614	0.997	1.3408	1.7367	2.8803		1.1186	0.3732	0.7017	1.373	2.6283	4.5586	3.6947	3.4118	0.3487	2.04765	3.30266
Nitrogen Oxide	TM14	12	24	16	67	52	65	0.0478	0.6232	1.1503	0.9864	1.3259	1.7149	2.8402		1.1067	0.3685	0.6923	1.3531	2.5946	4.4933	3.6447	3.396	0.3468	2.11836	3.41672
Nitrogen Oxide	TM15	1	1	17	76	45	5	0.0476	0.6187	1.1928	1.0358	1.3811	1.7999	3.0262		1.122	0.3872	0.7304	1.4457	2.7386	4.8024	3.8713	3.6031	0.3339	0.39086	0.63042
Nitrogen Oxide	TM15	1	2	17	77	45	2	0.0474	0.6163	1.1904	1.0339	1.3782	1.7959	3.0197		1.1181	0.3863	0.7287	1.4427	2.7327	4.7922	3.8631	3.5954	0.3327	0.61189	0.99823
Nitrogen Oxide	TM15	1	3	17	77	45	2	0.0474	0.6163	1.1904	1.0339	1.3782	1.7959	3.0197		1.1181	0.3863	0.7287	1.4427	2.7327	4.7922	3.8631	3.5954	0.3327	0.61189	0.99823
Nitrogen Oxide	TM15	1	4	17	77	45	2	0.0474	0.6163	1.1904	1.0339	1.3782	1.7959	3.0197		1.1181	0.3863	0.7287	1.4427	2.7327	4.7922	3.8631	3.5954	0.3327	0.61889	0.99823
Nitrogen Oxide	TM15	1	5	17	78	45	0	0.0473	0.614	1.1879	1.0318	1.3753	1.7918	3.0134		1.1143	0.3854	0.7269	1.4396	2.7269	4.782	3.8549	3.5877	0.3314	0	0
Nitrogen Oxide	TM15	1	6	17	77	45	3	0.0474	0.6163	1.1904	1.0339	1.3782	1.7959	3.0197		1.1181	0.3863	0.7287	1.4427	2.7327	4.7922	3.8631	3.5954	0.3327	0.4284	0.69097
Nitrogen Oxide	TM15	1	7	16	77	45	19	0.049	0.6378	1.2037	1.0437	1.3928	1.8176	3.0516		1.1438	0.3918	0.7385	1.4579	2.7616	4.8428	3.9038	3.6334	0.3418	0.82156	1.3251
Nitrogen Oxide	TM15	1	8	17	77	45	46	0.0474	0.6163	1.1904	1.0339	1.3782	1.7959	3.0197		1.1181	0.3863	0.7287	1.4427	2.7327	4.7922	3.8631	3.5954	0.3327	1.07205	1.72912
Nitrogen Oxide	TM15	1	9	17	77	45	114	0.0482	0.6257	1.2001	1.0418	1.39	1.8122	3.0455		1.1333	0.39	0.7358	1.4549	2.756	4.8331	3.8961	3.6243	0.3377	1.69545	2.41202
Nitrogen Oxide	TM15	1	10	19	69	45	125	0.0458	0.5943	1.1836	1.0303	1.3731	1.7859	3.0087		1.0984	0.3813	0.7237	1.4373	2.7227	4.7746	3.8489	3.5821	0.3248	1.48797	2.39996
Nitrogen Oxide	TM15	1	11	20	64	45	58	0.0453	0.588	1.1843	1.0318	1.3754	1.7875	3.0136		1.0948	0.3829	0.724	1.4397	2.7271	4.7825	3.8553	3.5881	0.3229	1.69565	2.73491
Nitrogen Oxide	TM15	1	12	21	62	45	50	0.0449	0.5808	1.1779	1.0266	1.3676	1.7755	2.9967		1.0785	0.3797	0.7184	1.4316	2.7118	4.7556	3.8336	3.5679	0.3169	1.61938	2.6119
Nitrogen Oxide	TM15	1	13	21	61	45	53	0.0451	0.5833	1.181	1.0291	1.3715	1.7808	3.0051		1.0834	0.3809	0.7208	1.4357	2.7195	4.7689	3.8442	3.5779	0.3185	1.74669	2.81724
Nitrogen Oxide	TM15	1	14	21	62	45	49	0.0449	0.5808	1.1779	1.0266	1.3676	1.7755	2.9967		1.0785	0.3797	0.7184	1.4316	2.7118	4.7556	3.8336	3.5679	0.3169	1.72545	2.78298
Nitrogen Oxide	TM15	1	15	21	62	45	56	0.0449	0.5808	1.1779	1.0266	1.3676	1.7755	2.9967		1.0785	0.3797	0.7184	1.4316	2.7118	4.7556	3.8336	3.5679	0.3169	1.72978	2.78968
Nitrogen Oxide	TM15	1	16	21	63	45	56	0.0447	0.5783	1.1748	1.024	1.3639	1.7703	2.9883		1.0737	0.3786	0.7162	1.4276	2.7043	4.7423	3.8228	3.558	0.3154	1.69669	2.73659
Nitrogen Oxide	TM15	1	17	20	67	45	56	0.0448	0.5798	1.1756	1.0245	1.3646	1.7727	2.9901		1.0811	0.3795	0.7176	1.4285	2.7059	4.7451	3.8252	3.5601	0.3184	1.69816	2.73897
Nitrogen Oxide	TM15	1	18	19	72	45	54	0.0452	0.5866	1.1754	1.0235	1.363	1.7721	2.9866		1.0855	0.3798	0.7177	1.4268	2.7027	4.7395	3.8206	3.5559	0.3205	1.7712	2.85677
Nitrogen Oxide	TM15	1	19	18	74	45	54	0.0464	0.6023	1.1841	1.0298	1.3721	1.7861	3.0066		1.1037	0.3835	0.7241	1.4363	2.7207	4.7712	3.8462	3.5796	0.3272	1.68421	2.71647
Nitrogen Oxide	TM15	1	20	18	74	45	23	0.0464	0.6023	1.1841	1.0298	1.3721	1.7861	3.0066		1.1037	0.3835	0.7241	1.4363	2.7207	4.7712	3.8462	3.5796	0.3272	1.97954	1.22506
Nitrogen Oxide	TM15	1	21	18	75	45	12	0.0462	0.5998	1.1815	1.0276	1.369	1.7817	2.9996		1.0996	0.3825	0.7222	1.433	2.7145	4.7602	3.8373	3.5714	0.3258	0.9789	1.57887
Nitrogen Oxide	TM15	1	22	18	76	45	5	0.0461	0.5974	1.179	1.0255	1.3658	1.7774	2.9927		1.0956	0.3815	0.7203	1.4297	2.7082	4.7493	3.8285	3.5632	0.3245	0.84276	1.35929
Nitrogen Oxide	TM15	1	23	18	75	45	10	0.0462	0.5998	1.1815	1.0276	1.369	1.7817	2.9996		1.0996	0.3825	0.7222	1.433	2.7145	4.7602	3.8373	3.5714	0.3258	0.587	0.94677
Nitrogen Oxide	TM15	1	24	17	76	45	4	0.0476	0.6187	1.1928	1.0358	1.3811	1.7999	3.0262		1.122	0.3872	0.7304	1.4457	2.7386	4.8024	3.8713	3.6031	0.3339	0.87508	1.41141
Nitrogen Oxide	TM15	2	1	17	78	45	5	0.0473	0.614	1.1879	1.0318	1.3753	1.7918	3.0134		1.1143	0.3854	0.7269	1.4396	2.7269	4.782	3.8549	3.5877	0.3314	0.38876	0.62703
Nitrogen Oxide	TM15	2	2	17	80	45	2	0.047	0.6094	1.1831	1.0279	1.3694	1.7837	3.0004		1.1068	0.3836	0.7234	1.4334	2.7152	4.7615	3.8384	3.5724	0.3289	0.61505	0.99202
Nitrogen Oxide	TM15	2	3	17	81	45	2	0.0468	0.607	1.1807	1.0259	1.3664	1.7796	2.994		1.1029	0.3826	0.7216	1.4303	2.7094	4.7513	3.8301	3.5648	0.3277	0.3269	0.52726
Nitrogen Oxide	TM15	2	4	17	82	45	2	0.0466	0.6047	1.1783	1.024	1.3635	1.7756	2.9876		1.0991	0.3816	0.7199	1.4272	2.7035	4.7411	3.8219	3.557	0.3264	0.61245	0.98782
Nitrogen Oxide	TM15	2	5	16	83	45	0	0.0481	0.6246	1.1901	1.0326	1.3763	1.7948	3.0155		1.1223	0.3866	0.7286	1.4406	2.7289	4.7854	3.8576	3.5903	0.3347	0	0
Nitrogen Oxide	TM15	2	6	16	83	45	3	0.0481	0.6246	1.1901	1.0326	1.3763	1.7948	3.0155		1.1223	0.3866	0.7286	1.4406	2.7289	4.7854	3.8576	3.5903	0.3347	0.42877	0.69156
Nitrogen Oxide	TM15	2	7	16	83	45	19	0.0481	0.6246	1.1901	1.0326	1.3763	1.7948	3.0155		1.1223	0.3866	0.7286	1.4406	2.7289	4.7854	3.8576	3.5903	0.3347	0.81099	1.30806
Nitrogen Oxide	TM15	2	8	17	81	45	46	0.0468	0.607	1.1807	1.0259	1.3641	1.7796	2.994		1.1029	0.3826	0.7216	1.4303	2.7094	4.7513	3.8301	3.5648	0.3277	1.06214	1.71312
Nitrogen Oxide	TM15	2	9	18	77	45	114	0.0459	0.5949	1.1763	1.0234	1.3627	1.773	2.9859		1.0916	0.3805	0.7184	1.4264	2.702	4.7384	3.8198	3.555	0.3232	1.46333	2.36021
Nitrogen Oxide	TM15	2	10	19	73	45	125	0.0451	0.584	1.1727	1.0213	1.3597	1.7674	2.9793		1.0812	0.3787	0.7156	1.4233	2.6961	4.7279	3.8112	3.5471	0.3192	1.47283	2.37553
Nitrogen Oxide	TM15	2	11	20	70	45	58	0.0442	0.5723	1.1669	1.0174	1.3539	1.7579	2.9666		1.0675	0.3761	0.7112	1.4172	2.6846	4.7077	3.795	3.532	0.314	1.68852	2.69115
Nitrogen Oxide	TM15	2	12	20	68	45	50	0.0446	0.5772	1.1726	1.0222	1.3611	1.7678	2.9822		1.0766	0.3784	0.7155	1.4247	2.6988	4.7326	3.8151	3.5507	0.3169	1.61183	2.59972
Nitrogen Oxide	TM15	2	13	21	65	45	53	0.0443	0.5733	1.1688	1.0188	1.3562	1.7597	2.9716		1.0641	0.3762	0.7117	1.4197	2.6891	4.7157	3.8015	3.538	0.3123	1.72683	2.78322
Nitrogen Oxide	TM15	2	14	21	65	45	49	0.0443	0.5733	1.1688	1.0188	1.3562	1.7597	2.9716		1.0641	0.3762	0.7117	1.4197	2.6891	4.7157	3.8015	3.538	0.3122	1.71062	2.75907
Nitrogen Oxide	TM15	2	15	21	66	45	56	0.0441	0.5708	1.1657	1.0163	1.3524	1.7544	2.9632		1.0592	0.3751	0.7094	1.4156	2.6815	4.7024	3.7907	3.528	0.3107	1.77728	2.86659
Nitrogen Oxide	TM15	2	16	20	68	45	56	0.0446	0.5772	1.1726	1.0222	1.3611	1.7678	2.9822		1.0766	0.3784	0.7155	1.4247	2.6988	4.7326	3.8151	3.5507	0.3169	1.69359	2.7316
Nitrogen Oxide	TM15	2	17	20	70	45	56	0.0442	0.5723	1.1669	1.0174	1.3539	1.7579	2.9666		1.0675	0.3761	0.7112	1.4172	2.6846	4.7077	3.795	3.532	0.314	1.68451	2.71694
Nitrogen Oxide	TM15	2	18	19	74	45	54	0.0449	0.5815	1.1699	1.019	1.3564	1.7628	2.9719		1.0769	0.3777	0.7136	1.4198	2.6894	4.7163	3.8018	3.5384	0.3178	1.76229	2.8424
Nitrogen Oxide	TM15	2	19	18	74	45	54	0.0461	0.5974	1.179	1.0255	1.3658	1.7774	2.9927		1.0956	0.3815	0.7203	1.4297	2.7082	4.7493	3.8285	3.5632	0.3245	1.67365	2.70365
Nitrogen Oxide	TM15	2	20	18	78	45	22	0.0457	0.5925	1.1738	1.0213	1.3595	1.7687	2.979		1.0875	0.3796	0.7166	1.4231	2.6958	4.7275	3.811	3.5469	0.3219	0.75234	1.21345
Nitrogen Oxide	TM15	2	21	18	78	45	12	0.0457	0.5925	1.1738	1.0213	1.3595	1.7687	2.979		1.0875	0.3796	0.7166	1.4231	2.6958	4.7275	3.811	3.5469	0.3219	0.97163	1.56715
Nitrogen Oxide	TM15	2	22	18	78	45	5	0.0457	0.5925	1.1738	1.0213	1.3595	1.7687	2.979		1.0875	0.3796	0.7166	1.4231	2.6958	4.7275	3.811	3.5469	0.3219	0.83856	1.35252
Nitrogen Oxide	TM15	2	23	18	78	45	10	0.0457	0.5925	1.1738	1.0213	1.3595	1.7687	2.979		1.0875	0.3796	0.7166	1.4231	2.6958	4.7275	3.811	3.5469	0.3219	0.58256	0.93961
Nitrogen Oxide	TM15	2	24	18	78	45	4	0.0457	0.5925	1.1738	1.0213	1.3595	1.7687	2.979		1.0875	0.3796	0.7166	1.4231	2.6958	4.7275	3.811	3.5469	0.3219	0.86195	1.39024
Nitrogen Oxide	TM15	3	1	21	86	45	5	0.0402	0.5195	1.1043	0.9648	1.276	1.6493	2.7958		0.9628	0.3514	0.6638	1.3356	2.53	4.4367	3.5765	3.3287	0.2791	0.34888	0.56271
Nitrogen Oxide	TM15	3	2	20	87	45	2	0.0412	0.5323	1.1181	0.9764	1.2931	1.6741	2.8332		0.9901	0.3573	0.6748	1.3535	2.5639	4.4961	3.6244	3.3732	0.2886	0.57965	0.93492
Nitrogen Oxide	TM15	3	3	20	87	45	2	0.0412	0.5323	1.1181	0.9764	1.2931	1.6741	2.8332		0.9901	0.3573	0.6748	1.3535	2.5639	4.4961	3.6244	3.3732	0.2886	0.28675	0.4625
Nitrogen Oxide	TM15	3	4	20	87	45	2	0.0412	0.5323	1.1181	0.9764	1.2931	1.6741	2.8332		0.9901	0.3573	0.6748	1.3535	2.5639	4.4961	3.6244	3.3732	0.2886	0.57965	0.93492
Nitrogen Oxide	TM15	3	5	20	87	45	0	0.0412	0.5323	1.1181	0.9764	1.2931	1.6741	2.8332		0.9901	0.3573	0.6748	1.3535	2.5639	4.4961	3.6244	3.3732	0.2886	0	0
Nitrogen Oxide	TM15	3	6	20	87	45	3	0.0412	0.5323	1.1181	0.9764	1.2931	1.6741	2.8332		0.9901	0.3573	0.6748	1.3535	2.5639	4.4961	3.6244	3.3732	0.2886	0.40017	0.64543
Nitrogen Oxide	TM15	3	7	20	87	45	19	0.0412	0.5323	1.1181	0.9764	1.2931	1.6741	2.8332		0.9901	0.3573	0.6748	1.3535	2.5639	4.4961	3.6244	3.3732	0.2886	0.57189	1.21272
Nitrogen Oxide	TM15	3	8	20	86	45	46	0.0414	0.5346	1.121	0.9788	1.2966	1.679	2.8411		0.9947	0.3584	0.677	1.3572	2.5709	4.5085	3.6345	3.3826	0.2901	0.99879	1.61095
Nitrogen Oxide	TM15	3	9	21	79	45	114	0.0408	0.5274	1.1135	0.9726	1.2874	1.6651	2.8209		0.9773	0.3549	0.6707	1.3476	2.5528	4.4765	3.6087	3.3586	0.2839	1.37716	2.22123
Nitrogen Oxide	TM15	3	10	22	79	45	125	0.0405	0.5234	1.1096	0.9693	1.2826	1.6573	2.8104		0.9656	0.3529	0.6669	1.3426	2.5432	4.4599	3.5952	3.3463	0.2794	1.38481	2.23357
Nitrogen Oxide	TM15	3	11	22	77	45	58	0.0407	0.5263	1.1129	0.9721	1.2867	1.6629	2.8193		0.9708	0.3542	0.6693	1.3469	2.5512	4.474	3.6086	3.3567	0.2811	1.58293	2.55311
Nitrogen Oxide	TM15	3	12	23	77	45	50	0.0398	0.5148	1.0994	0.9608	1.2701	1.6388	2.7829		0.9442	0.3485	0.6586	1.3295	2.5183	4.4162	3.56	3.3133	0.2719	1.5007	2.42049
Nitrogen Oxide	TM15	3	13	23	77	45	53	0.0398	0.5148	1.0994	0.9608	1.2701	1.6388	2.7829		0.9442	0.3485	0.6586	1.3295	2.5183	4.4162	3.56	3.3133	0.2719	1.61424	2.60361
Nitrogen Oxide	TM15	3	14	23	77	45	49	0.0398	0.5148	1.0994	0.9608	1.2701	1.6388	2.7829		0.9442	0.3485	0.6586	1.3295	2.5183	4.4162	3.56	3.3133	0.2719	1.59831	2.57793
Nitrogen Oxide	TM15	3	15	23	76	45	56	0.04	0.5178	1.103	0.9638	1.2

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:

(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.

(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Oxide	TM15	6	1	28	88	45	5	0.0306	0.3941	0.9506	0.8348	1.0829	1.3813	2.3728		0.7087	0.2901	0.5471	1.1336	2.1472	3.7655	3.0354	2.825	0.1948	0.2873	0.46339
Nitrogen Oxide	TM15	6	2	27	89	45	2	0.0316	0.4072	0.9703	0.8518	1.1081	1.4158	2.4281		0.7398	0.2979	0.5619	1.16	2.1972	3.8533	3.1062	2.891	0.2048	0.50095	0.80798
Nitrogen Oxide	TM15	6	3	27	89	45	2	0.0316	0.4072	0.9703	0.8518	1.1081	1.4158	2.4281		0.7398	0.2979	0.5619	1.16	2.1972	3.8533	3.1062	2.891	0.2048	0.2194	0.35387
Nitrogen Oxide	TM15	6	4	27	88	45	2	0.032	0.4113	0.9748	0.8556	1.1137	1.4235	2.4403		0.7467	0.2996	0.5653	1.1658	2.2084	3.8727	3.1218	2.9055	0.2071	0.50314	0.81194
Nitrogen Oxide	TM15	6	5	27	89	45	0	0.0316	0.4072	0.9703	0.8518	1.1081	1.4158	2.4281		0.7398	0.2979	0.5619	1.16	2.1972	3.8533	3.1062	2.891	0.2048	0	0
Nitrogen Oxide	TM15	6	6	27	90	45	3	0.0313	0.4031	0.9657	0.8481	1.1026	1.4082	2.4159		0.7329	0.2961	0.5587	1.1542	2.1862	3.8339	3.0903	2.8764	0.2025	0.34277	0.55285
Nitrogen Oxide	TM15	6	7	28	87	45	19	0.0309	0.3984	0.9555	0.8388	1.0888	1.3894	2.3857		0.7161	0.2919	0.5506	1.1398	2.1589	3.7861	3.0521	2.8405	0.1971	0.62675	1.01089
Nitrogen Oxide	TM15	6	8	29	82	45	46	0.0313	0.4025	0.9557	0.8385	1.0883	1.3886	2.3846		0.7157	0.2918	0.5503	1.1392	2.1579	3.7841	3.0504	2.8391	0.1969	0.83097	1.34027
Nitrogen Oxide	TM15	6	9	29	79	45	114	0.0323	0.4164	0.9711	0.8511	1.1071	1.4145	2.4259		0.7391	0.2976	0.5615	1.1589	2.1953	3.8498	3.1034	2.8884	0.2045	1.1795	1.90241
Nitrogen Oxide	TM15	6	10	30	76	45	125	0.0322	0.4152	0.9634	0.8442	1.0967	1.4	2.403		0.7263	0.2946	0.5553	1.1479	2.1745	3.8133	3.0739	2.861	0.2004	1.17963	1.90263
Nitrogen Oxide	TM15	6	11	30	75	45	58	0.0326	0.4203	0.9689	0.8486	1.1034	1.4093	2.4176		0.7346	0.2966	0.5593	1.155	2.1878	3.8365	3.0928	2.8784	0.2031	1.35242	2.18132
Nitrogen Oxide	TM15	6	12	30	74	45	50	0.033	0.4253	0.9743	0.8531	1.11	1.4184	2.4322		0.7429	0.2987	0.5632	1.1619	2.201	3.8598	3.1115	2.8958	0.2058	1.30846	2.11042
Nitrogen Oxide	TM15	6	13	31	73	45	53	0.0321	0.415	0.9565	0.8377	1.0871	1.387	2.3819		0.7148	0.292	0.5497	1.1379	2.1555	3.7801	3.0472	2.8361	0.1967	1.37775	2.22218
Nitrogen Oxide	TM15	6	14	31	72	45	49	0.0325	0.4203	0.9623	0.8425	1.0942	1.3967	2.3975		0.7235	0.2941	0.5559	1.1454	2.1696	3.8047	3.067	2.8545	0.1995	1.37219	2.21321
Nitrogen Oxide	TM15	6	15	30	74	45	56	0.033	0.4253	0.9743	0.8531	1.11	1.4184	2.4322		0.7429	0.2987	0.5632	1.1619	2.201	3.8598	3.1115	2.8958	0.2058	1.45202	2.34197
Nitrogen Oxide	TM15	6	16	30	74	45	56	0.033	0.4253	0.9743	0.8531	1.11	1.4184	2.4322		0.7429	0.2987	0.5632	1.1619	2.201	3.8598	3.1115	2.8958	0.2058	1.37455	2.21701
Nitrogen Oxide	TM15	6	17	30	75	45	56	0.0326	0.4203	0.9689	0.8486	1.1034	1.4093	2.4176		0.7346	0.2966	0.5593	1.155	2.1878	3.8365	3.0928	2.8784	0.2031	1.36607	2.20334
Nitrogen Oxide	TM15	6	18	29	79	45	54	0.0323	0.4164	0.9711	0.8511	1.1071	1.4145	2.4259		0.7391	0.2976	0.5615	1.1589	2.1953	3.8498	3.1034	2.8884	0.2045	1.43042	2.30713
Nitrogen Oxide	TM15	6	19	29	81	45	54	0.0316	0.4071	0.9608	0.8428	1.0946	1.3972	2.3984		0.7234	0.2937	0.554	1.1458	2.1704	3.806	3.0681	2.8555	0.1995	1.33439	2.15224
Nitrogen Oxide	TM15	6	20	28	83	45	22	0.0322	0.4155	0.9747	0.8548	1.1125	1.4218	2.4377		0.7455	0.2992	0.5646	1.1645	2.2059	3.8685	3.1185	2.9023	0.2066	0.6118	0.98677
Nitrogen Oxide	TM15	6	21	28	85	45	12	0.0316	0.4071	0.9651	0.8469	1.1007	1.4056	2.4118		0.7308	0.2953	0.5576	1.1522	2.1825	3.8272	3.0853	2.8714	0.2019	0.77073	1.2431
Nitrogen Oxide	TM15	6	22	28	86	45	5	0.0313	0.4027	0.9603	0.8428	1.0947	1.3974	2.3987		0.7234	0.2937	0.5541	1.146	2.1707	3.8066	3.0687	2.856	0.1995	0.66636	1.07477
Nitrogen Oxide	TM15	6	23	28	87	45	10	0.0309	0.3984	0.9555	0.8388	1.0888	1.3894	2.3857		0.7161	0.2919	0.5506	1.1398	2.1589	3.7861	3.0521	2.8405	0.1971	0.45577	0.73511
Nitrogen Oxide	TM15	6	24	28	87	45	4	0.0309	0.3984	0.9555	0.8388	1.0888	1.3894	2.3857		0.7161	0.2919	0.5506	1.1398	2.1589	3.7861	3.0521	2.8405	0.1971	0.69932	1.12794
Nitrogen Oxide	TM15	7	1	28	84	45	5	0.032	0.4113	0.9699	0.8508	1.1066	1.4137	2.4247		0.7381	0.2973	0.5611	1.1584	2.1943	3.8479	3.1019	2.8869	0.2042	0.29544	0.47652
Nitrogen Oxide	TM15	7	2	28	84	45	2	0.032	0.4113	0.9699	0.8508	1.1066	1.4137	2.4247		0.7381	0.2973	0.5611	1.1584	2.1943	3.8479	3.1019	2.8869	0.2042	0.50095	0.80798
Nitrogen Oxide	TM15	7	3	28	86	45	2	0.0313	0.4027	0.9603	0.8428	1.0947	1.3974	2.3987		0.7234	0.2937	0.5541	1.146	2.1707	3.8066	3.0687	2.856	0.1995	0.2172	0.35
Nitrogen Oxide	TM15	7	4	28	86	45	2	0.0313	0.4027	0.9603	0.8428	1.0947	1.3974	2.3987		0.7234	0.2937	0.5541	1.146	2.1707	3.8066	3.0687	2.856	0.1995	0.4958	0.79968
Nitrogen Oxide	TM15	7	5	28	88	45	0	0.0306	0.3941	0.9506	0.8348	1.0829	1.3813	2.3728		0.7087	0.2901	0.5471	1.1336	2.1472	3.7655	3.0354	2.825	0.1948	0	0
Nitrogen Oxide	TM15	7	6	28	88	45	3	0.032	0.4113	0.9748	0.8556	1.1137	1.4235	2.4403		0.7467	0.2996	0.5653	1.1658	2.2084	3.8727	3.1218	2.9055	0.2071	0.34627	0.55849
Nitrogen Oxide	TM15	7	7	28	86	45	19	0.0313	0.4027	0.9603	0.8428	1.0942	1.3974	2.3987		0.7234	0.2937	0.5541	1.146	2.1707	3.8066	3.0687	2.856	0.1995	0.63048	1.01691
Nitrogen Oxide	TM15	7	8	29	81	45	46	0.0316	0.4071	0.9608	0.8428	1.0946	1.3972	2.3984		0.7234	0.2937	0.554	1.1458	2.1704	3.806	3.0681	2.8555	0.1995	0.83617	1.34866
Nitrogen Oxide	TM15	7	9	30	76	45	114	0.0322	0.4152	0.9634	0.8442	1.0967	1.4	2.403		0.7263	0.2946	0.5553	1.1479	2.1745	3.8133	3.0739	2.861	0.2004	1.16879	1.88514
Nitrogen Oxide	TM15	7	10	31	70	45	125	0.0334	0.4309	0.9739	0.852	1.1083	1.4162	2.4285		0.7411	0.2984	0.5623	1.1602	2.1977	3.854	3.1068	2.8915	0.2052	1.19383	1.92553
Nitrogen Oxide	TM15	7	11	31	68	45	58	0.0342	0.4418	0.9855	0.8616	1.1226	1.4355	2.4596		0.7588	0.3028	0.5706	1.1751	2.2259	3.9033	3.1463	2.9285	0.2109	1.37704	2.22104
Nitrogen Oxide	TM15	7	12	32	67	45	50	0.0335	0.4329	0.9688	0.8471	1.1012	1.4062	2.4127		0.7324	0.2966	0.558	1.1526	2.1834	3.8289	3.0866	2.8727	0.2024	1.29857	2.09447
Nitrogen Oxide	TM15	7	13	32	66	45	53	0.034	0.4388	0.975	0.8523	1.1086	1.4165	2.4293		0.7418	0.2989	0.5625	1.1605	2.1983	3.855	3.1076	2.8923	0.2054	1.40613	2.26796
Nitrogen Oxide	TM15	7	14	32	66	45	49	0.034	0.4388	0.975	0.8523	1.1086	1.4165	2.4293		0.7418	0.2989	0.5625	1.1605	2.1983	3.855	3.1076	2.8923	0.2054	1.39147	2.24431
Nitrogen Oxide	TM15	7	15	31	68	45	56	0.0342	0.4418	0.9855	0.8616	1.1226	1.4355	2.4596		0.7588	0.3028	0.5706	1.1751	2.2259	3.9033	3.1463	2.9285	0.2109	1.46907	2.36947
Nitrogen Oxide	TM15	7	16	31	69	45	56	0.0338	0.4364	0.9797	0.8567	1.1155	1.4258	2.4441		0.75	0.3006	0.5665	1.1676	2.2118	3.8786	3.1266	2.91	0.2081	1.38185	2.22879
Nitrogen Oxide	TM15	7	17	31	70	45	56	0.0334	0.4309	0.9739	0.852	1.1083	1.4162	2.4285		0.7411	0.2984	0.5623	1.1602	2.1977	3.854	3.1068	2.8915	0.2052	1.37283	2.21424
Nitrogen Oxide	TM15	7	18	30	73	45	54	0.0334	0.4303	0.9798	0.8576	1.1168	1.4275	2.4469		0.7512	0.3007	0.5672	1.1689	2.2142	3.883	3.1302	2.9133	0.2085	1.44336	2.32801
Nitrogen Oxide	TM15	7	19	29	76	45	54	0.0334	0.4306	0.9865	0.8639	1.1261	1.4403	2.4673		0.7626	0.3034	0.5727	1.1787	2.2328	3.9155	3.1564	2.9376	0.2121	1.37384	2.21587
Nitrogen Oxide	TM15	7	20	29	79	45	22	0.0323	0.4164	0.9711	0.8511	1.1071	1.4145	2.4259		0.7391	0.2976	0.5615	1.1589	2.1953	3.8498	3.1034	2.8884	0.2045	0.69269	1.11709
Nitrogen Oxide	TM15	7	21	29	81	45	12	0.0316	0.4071	0.9608	0.8428	1.0946	1.3972	2.3984		0.7234	0.2937	0.554	1.1458	2.1704	3.806	3.0681	2.8555	0.1995	0.76655	1.23637
Nitrogen Oxide	TM15	7	22	29	82	45	5	0.0313	0.4025	0.9557	0.8385	1.0883	1.3886	2.3846		0.7157	0.2918	0.5503	1.1392	2.1579	3.7841	3.0504	2.8391	0.1969	0.66326	1.06977
Nitrogen Oxide	TM15	7	23	28	83	45	10	0.0322	0.4155	0.9747	0.8548	1.1125	1.4218	2.4377		0.7455	0.2992	0.5646	1.1645	2.2059	3.8685	3.1185	2.9023	0.2066	0.46676	0.75284
Nitrogen Oxide	TM15	7	24	28	84	45	4	0.032	0.4113	0.9699	0.8508	1.1066	1.4137	2.4247		0.7381	0.2973	0.5611	1.1584	2.1943	3.8479	3.1019	2.8869	0.2042	0.71005	1.14524
Nitrogen Oxide	TM15	8	1	27	90	45	5	0.0313	0.4031	0.9657	0.8481	1.1026	1.4082	2.4159		0.7329	0.2961	0.5587	1.1542	2.1862	3.8339	3.0903	2.8764	0.2025	0.29254	0.47184
Nitrogen Oxide	TM15	8	2	26	60	45	2	0.0327	0.4214	0.9894	0.8682	1.1326	1.4493	2.4815		0.7698	0.3054	0.5764	1.1855	2.2457	3.9381	3.1746	2.9546	0.2146	0.51105	0.82427
Nitrogen Oxide	TM15	8	3	26	91	45	2	0.0324	0.4177	0.9851	0.8648	1.1273	1.4421	2.47		0.7632	0.3038	0.5732	1.18	2.2353	3.9198	3.1598	2.9409	0.2125	0.22505	0.36298
Nitrogen Oxide	TM15	8	4	26	92	45	2	0.0321	0.4139	0.9809	0.8612	1.122	1.4349	2.4585		0.7567	0.3022	0.5702	1.1746	2.2249	3.9016	3.1451	2.9272	0.2103	0.5065	0.81694
Nitrogen Oxide	TM15	8	5	26	93	45	0	0.0319	0.4102	0.9766	0.8577	1.1168	1.4277	2.447		0.7502	0.3005	0.5671	1.1691	2.2144	3.8833	3.1305	2.9136	0.2082	0	0
Nitrogen Oxide	TM15	8	6	26	94	45	3	0.0316	0.4065	0.9724	0.8541	1.1116	1.4205	2.4356		0.7432	0.2991	0.564	1.1636	2.204	3.8651	3.1158	2.8998	0.2062	0.34552	0.55677
Nitrogen Oxide	TM15	8	7	26	93	45	19	0.0319	0.4102	0.9766	0.8577	1.1168	1.4277	2.447		0.7502	0.3005	0.5671	1.1691	2.2144	3.8833	3.1305	2.9136	0.2082	1.03628	2.06242
Nitrogen Oxide	TM15	8	8	27	87	45	46	0.0322	0.4153	0.9793	0.8594	1.1193	1.4311	2.4525		0.7536	0.3012	0.5686	1.1716	2.2195	3.892	3.1375	2.9201	0.2093	0.8542	1.37773
Nitrogen Oxide	TM15	8	9	29	81	45	114	0.0316	0.4071	0.9608	0.8428	1.0946	1.3972	2.3984		0.7234	0.2937	0.554	1.1458	2.1704	3.806	3.0681	2.8555	0.1995	1.16553	1.87988
Nitrogen Oxide	TM15	8	10	30	76	45	125	0.0322	0.4152	0.9634	0.8442	1.0967	1.4	2.403		0.7263	0.2946	0.5553	1.1479	2.1745	3.8133	3.0739	2.861	0.2004	1.17963	1.90263
Nitrogen Oxide	TM15	8	11	30	73	45	53	0.0334	0.4303	0.9798	0.8576	1.1168	1.4275	2.4469		0.7512	0.3007	0.5672	1.1689	2.2142	3.883	3.1302	2.9133	0.2085	1.36929	2.20853
Nitrogen Oxide	TM15	8	12	30	73	45	50	0.0334	0.4303	0.9798	0.8576	1.1168	1.4275	2.4469		0.7512	0.3007	0.5672	1.1689	2.2142	3.883	3.1302	2.9133	0.2085	1.31657	2.1235
Nitrogen Oxide	TM15	8	13	30	74	45	53	0.033	0.4253	0.9743	0.8531	1.11	1.4184	2.4322		0.7429	0.2987	0.5632	1.1619	2.201	3.8598	3.1115	2.8958	0.2058	1.40729	2.26982
Nitrogen Oxide	TM15	8	14	30	74	45	49	0.033	0.4253	0.9743	0.8531	1.11	1.4184	2.4322		0.7429	0.2987	0.5632	1.1619	2.201	3.8598	3.1115	2.8958	0.2058	1.39232	2.24567
Nitrogen Oxide	TM15	8	15	30	75	45	56	0.0326	0.4203	0.9689	0.8486	1.1034	1.4093	2.4176		0.7346	0.2966	0.5593	1.155	2.1878	3.8365	3.0928	2.8784	0.2031	1.44308	2.32755
Nitrogen Oxide	TM15	8	16	29	79	45	56	0.033	0.4258	0.9813	0.8596	1.1198	1.4317	2.4535		0.7547	0.3015	0.5689	1.1721	2.2203	3.8936	3.1387	2.9212	0.2097	1.38652	2.23633
Nitrogen Oxide	TM15	8	17	29	79	45	56	0.0323	0.4164	0.9711	0.8511	1.1071	1.4145	2.4259		0.7391	0.2976	0.5615	1.1589	2.1953	3.8498	3.1034	2.8884	0.2045	1.37035	2.21049
Nitrogen Oxide	TM15	8	18	28	80	45	54	0.0332	0.4282	0.9891	0.8667	1.1304	1.4462	2.4767		0.7675	0.3046	0.5751	1.1832	2.2413	3.9303	3.1684	2.9487	0.2138	0.96493	1.55634
Nitrogen Oxide	TM15	8	19	28	82	45	54	0.0325	0.4198	0.9795	0.8588	1.1185	1.4299	2.4507		0.7528	0.301	0.5681	1.1707	2.2177	3.8891	3.1351	2.9178	0.2091	1.364	2.19999
Nitrogen Oxide	TM15	8	20	28	84	45	22	0.032	0.4113	0.9699	0.8508	1.1066	1.4137	2.4247		0.7381	0.2973	0.5611	1.1584	2.1943	3.8479	3.1019	2.8869	0.2042	0.6085	0.98146
Nitrogen Oxide	TM15	8	21	27	85	45	12	0.0328	0.4234	0.9884	0.8668	1.1304	1.4464	2.4769		0.7674	0.3047	0.5752	1.1833	2.2416	3.9308	3.1688	2.9492	0.2138	0.79288	1.27884
Nitrogen Oxide	TM15	8	22	27	87	45	5	0.0322	0.4153	0.9793	0.8594	1.1193	1.4311	2.4525		0.7536	0.3012	0.5686	1.1716	2.2195	3.892	3.1375	2.9201	0.2093	0.6811	1.09855
Nitrogen Oxide	TM15	8	23	27	88	45	10	0.032	0.4113	0.9748	0.8556	1.1137	1.4235	2.4403		0.7467	0.2996	0.5653	1.1658	2.2084	3.8727	3.1218	2.9055	0.2071	0.46653	0.75247
Nitrogen Oxide	TM15	8	24	27	88	45	4	0.0316	0.4072	0.9703	0.8518	1.1081	1.4158	2.4281		0.7398	0.2979	0.5619	1.16	2.1972	3.8533	3.1062	2.891	0.2048	0.71082	1.14649
Nitrogen Oxide	TM15	9	1	27	89	45	5	0.0316	0.4072	0.9703	0.8518	1.1081	1.4158	2.4281		0.7398	0.2979	0.5619	1.16	2.1972	3.8533	3.1062	2.891	0.2048	0.29446	0.47494
Nitrogen Oxide	TM15	9	2	26	89	45	2	0.033	0.4251	0.9936	0.8718	1.1378	1.4564	2.493		0.7763	0.307	0.5795	1.191	2.256	3.9563	3.1893	2.9683	0.2167	0.5133	0.8279
Nitrogen Oxide	TM15	9	3	26	91	45	2	0.0324	0.4177	0.9851	0.8648	1.1273	1.4421	2.47		0.7632	0.3038	0.5732	1.18	2.2353	3.9198	3.1598	2.9409	0.2125	0.22505	0.36298
Nitrogen Oxide	TM15	9	4	26	92	45	2	0.0321	0.4139	0.9809	0.8612	1.122	1.4349	2.4585		0.7567	0.3022	0.5702	1.1746	2.2249	3.9016	3.1451	2.9272	0.2103	0.5065	0.81694
Nitrogen Oxide	TM15	9	5	26	92	45	0	0.0321	0.4139	0.9809	0.8612	1.122	1.4349	2.4585		0.7567	0.3022	0.5702	1.1746	2.2249	3.9016	3.1451	2.9272	0.2103	0	0
Nitrogen Oxide	TM15	9	6	26	93	45	3	0.0319	0.4102	0.9766	0.8577	1.1168	1.4277	2.447		0.7502	0.3005	0.5671	1.1691	2.2144	3.8833	3.1305	2.9136	0.2082	0.3468	0.55935
Nitrogen Oxide	TM15	9	7	26	93	45	19	0.0319	0.4102	0.9766	0.8577	1.1168	1.4277	2.447		0.7502	0.3005	0.5671	1.1691	2.2144	3.8833	3.1305	2.9136	0.2082	0.64249	1.03628
Nitrogen Oxide	TM15	9	8	27	88	45	46	0.032	0.4113	0.9748	0.8556	1.1137	1.4235	2.4403		0.7467	0.2996	0.5653	1.1658	2.2084	3.8727	3.1218	2.9055	0.2071	0.84963	1.37037
Nitrogen Oxide	TM15	9	9	28	83	45	114	0.0322	0.4155	0.9747	0.8548	1.1125	1.4218	2.4377		0.7455	0.2992	0.5646	1.1645	2.2059	3.8685	3.1185	2.9023	0.2066	1.18475	1.91089
Nitrogen Oxide	TM15	9	10	29	78	45	125	0.0326	0.4211	0.9762	0.8554	1.1135	1.4231	2.4397		0.7469	0.2996	0.5652	1.1656	2.2078	3.8716	3.1211	2.9048	0.2071	1.19754	1.93152
Nitrogen Oxide	TM15	9	11	29	76	45	58	0.0334	0.4306	0.9865	0.8639	1.1261	1.4403	2.4673		0.7626	0.3034	0.5727	1.1787	2.2328	3.9155	3.1564	2.9376	0.2121	1.38068	2.2269
Nitrogen Oxide	TM15	9	12	29	76	45	50	0.0334	0.4306	0.9865	0.8639	1.1261	1.4403	2.4673		0.7626	0.3034	0.5727	1.1787	2.2328	3.9155	3.1564	2.9376	0.2121	1.32744	2.14103
Nitrogen Oxide	TM15	9	13	30	75	45	53	0.0326	0.4203	0.9689	0.8486	1.1034	1.4093	2.4176		0.7346	0.2966	0.5593	1.155	2.1878	3.8365	3.0928	2.8784	0.2031	1.39864	2.25587
Nitrogen Oxide	TM15	9	14	29	75	45	49	0.0338	0.4353	0.9917	0.8681	1.1323	1.449	2.4811		0.7704	0.3054	0.5764	1.1853	2.2453	3.9374	3.174	2.954	0.2147	1.42087	2.29172
Nitrogen Oxide	TM15	9	15	29	77	45	56	0.033	0.4258	0.9813	0.8596	1.1198	1.4317	2.4535		0.7547	0.3015	0.5689	1.1721	2.2203	3.8936	3.1387	2.9212	0.2097	1.44681	2.34259
Nitrogen Oxide	TM15	9	16	29	76	45	56	0.0334	0.4306	0.9865	0.8639	1.1261	1.4403	2.4673		0.7626	0.3034	0.5727	1.1787	2.2328	3.9155	3.1564	2.9376	0.2121	1.39455	2.24927
Nitrogen Oxide	TM15	9	17	29	76	45	56	0.0326	0.4211	0.9762	0.8554	1.1135	1.4231	2.4397		0.7469	0.2996	0.5652	1.1656	2.2078	3.8716	3.1211	2.9048	0.2071	1.37851	2.2234
Nitrogen Oxide	TM15	9	18	28	81	45	54	0.0329	0.424	0.9843	0.8628	1.1244	1.4381	2.4637		0.7602	0.3028	0.5716	1.177	2.2295	3.9097	3.1517	2.9333	0.2115	1.45309	2.34369
Nitrogen Oxide	TM15	9	19	27	87	45	54	0.0332	0.4273	0.993	0.8706	1.136	1.454	2.4893		0.7744	0.3064	0.5785	1.1892	2.2526	3.9502	3.1844	2.9637	0.216	1.38574	2.23507
Nitrogen Oxide	TM15	9	20	27	86	45	22	0.0325	0.4193	0.9838	0.8631	1.1249	1.4387	2.

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:

(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.

(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Oxide	TM15	12	6	15	70	45	3	0.0518	0.6742	1.2313	1.065	1.4245	1.8631	3.121		1.1923	0.4029	0.7587	1.491	2.8244	4.9529	3.9927	3.716	0.3586	0.44497	0.71769
Nitrogen Oxide	TM15	12	7	15	70	45	19	0.0518	0.6742	1.2313	1.065	1.4245	1.8631	3.121		1.1923	0.4029	0.7587	1.491	2.8244	4.9529	3.9927	3.716	0.3586	0.84433	1.36182
Nitrogen Oxide	TM15	12	8	15	69	45	46	0.052	0.6762	1.2334	1.0668	1.427	1.8667	3.1267		1.1957	0.4036	0.7603	1.4937	2.8295	4.9619	3.9999	3.7227	0.3598	1.11867	1.80431
Nitrogen Oxide	TM15	12	9	16	65	45	114	0.0511	0.6645	1.2309	1.0659	1.4257	1.8634	3.124		1.1869	0.4023	0.7584	1.4924	2.827	4.9576	3.9965	3.7195	0.3561	1.53737	2.47863
Nitrogen Oxide	TM15	12	10	17	62	45	125	0.0501	0.6513	1.2266	1.0635	1.4222	1.857	3.1164		1.1753	0.4001	0.7553	1.4888	2.8202	4.9455	3.9868	3.7104	0.3515	1.54699	2.49514
Nitrogen Oxide	TM15	12	11	18	58	45	58	0.0494	0.6415	1.2253	1.0635	1.4224	1.8555	3.1166		1.1683	0.3992	0.7543	1.4889	2.8204	4.9459	3.987	3.7107	0.3486	1.75725	2.83427
Nitrogen Oxide	TM15	12	12	19	57	45	50	0.0482	0.6253	1.2166	1.0574	1.4133	1.8415	3.0969		1.1499	0.3955	0.7478	1.4795	2.8025	4.9145	3.9617	3.6872	0.3417	1.67639	2.70385
Nitrogen Oxide	TM15	12	13	19	56	45	53	0.0484	0.6278	1.2193	1.0597	1.4167	1.846	3.1043		1.1541	0.3965	0.7498	1.483	2.8091	4.9261	3.9711	3.6959	0.3431	1.80698	2.91445
Nitrogen Oxide	TM15	12	14	19	56	45	49	0.0484	0.6278	1.2193	1.0597	1.4167	1.846	3.1043		1.1541	0.3965	0.7498	1.483	2.8091	4.9261	3.9711	3.6959	0.3431	1.79083	2.88844
Nitrogen Oxide	TM15	12	15	19	56	45	56	0.0484	0.6278	1.2193	1.0597	1.4167	1.846	3.1043		1.1541	0.3965	0.7498	1.483	2.8091	4.9261	3.9711	3.6959	0.3431	1.86518	3.00836
Nitrogen Oxide	TM15	12	16	19	57	45	56	0.0482	0.6253	1.2166	1.0574	1.4133	1.8415	3.0969		1.1499	0.3955	0.7478	1.4795	2.8025	4.9145	3.9617	3.6872	0.3417	1.76133	2.84086
Nitrogen Oxide	TM15	12	17	18	60	45	56	0.049	0.6366	1.2202	1.0593	1.4161	1.8468	3.1029		1.1603	0.3972	0.7505	1.4823	2.8079	4.924	3.9694	3.6943	0.3459	1.76582	2.8481
Nitrogen Oxide	TM15	12	18	18	64	45	54	0.0483	0.6267	1.2098	1.0509	1.4036	1.8295	3.0753		1.1442	0.3933	0.7429	1.4692	2.783	4.8804	3.9342	3.6615	0.3406	1.82594	2.94506
Nitrogen Oxide	TM15	12	19	17	65	45	54	0.0496	0.6443	1.2194	1.0576	1.4135	1.8447	3.0971		1.1638	0.3973	0.7499	1.4796	2.8027	4.9148	3.962	3.6874	0.3477	1.73729	2.80208
Nitrogen Oxide	TM15	12	20	17	66	45	22	0.0494	0.642	1.217	1.0556	1.4105	1.8406	3.0907		1.16	0.3965	0.7482	1.4765	2.7968	4.9046	3.9537	3.6798	0.3465	0.78274	1.26248
Nitrogen Oxide	TM15	12	21	17	66	45	12	0.0494	0.642	1.217	1.0556	1.4105	1.8406	3.0907		1.16	0.3965	0.7482	1.4765	2.7968	4.9046	3.9537	3.6798	0.3465	1.01281	1.63356
Nitrogen Oxide	TM15	12	22	16	66	45	5	0.0509	0.6622	1.2287	1.0641	1.423	1.8595	3.118		1.1833	0.4014	0.7567	1.4895	2.8216	4.948	3.9887	3.7123	0.3549	0.88578	1.42868
Nitrogen Oxide	TM15	12	23	16	66	45	10	0.0509	0.6622	1.2287	1.0641	1.423	1.8595	3.118		1.1833	0.4014	0.7567	1.4895	2.8216	4.948	3.9887	3.7123	0.3549	0.61652	0.99439
Nitrogen Oxide	TM15	12	24	16	67	45	4	0.0508	0.66	1.2264	1.0622	1.4202	1.8557	3.1112		1.1797	0.4005	0.7551	1.4867	2.8161	4.9385	3.981	3.7051	0.3537	0.89885	1.44976
Nitrogen Oxide	TM16	1	1	17	76	44	2	0.0481	0.6244	1.2054	1.0483	1.3959	1.8223	3.0705		1.1345	0.3924	0.7407	1.467	2.7736	4.875	3.9258	3.6665	0.3352	0.33625	0.54234
Nitrogen Oxide	TM16	1	2	17	77	44	2	0.0479	0.622	1.2029	1.0462	1.393	1.8181	3.0639		1.1306	0.3915	0.7389	1.4639	2.7678	4.8646	3.9174	3.6586	0.3338	0.33495	0.54024
Nitrogen Oxide	TM16	1	3	17	77	44	0	0.0479	0.622	1.2029	1.0462	1.393	1.8181	3.0639		1.1306	0.3915	0.7389	1.4639	2.7678	4.8646	3.9174	3.6586	0.3338	0	0
Nitrogen Oxide	TM16	1	4	17	77	44	0	0.0479	0.622	1.2029	1.0462	1.393	1.8181	3.0639		1.1306	0.3915	0.7389	1.4639	2.7678	4.8646	3.9174	3.6586	0.3338	0	0
Nitrogen Oxide	TM16	1	5	17	78	44	0	0.0477	0.6197	1.2005	1.0443	1.3901	1.814	3.0574		1.1268	0.3906	0.7371	1.4608	2.7619	4.8543	3.9091	3.6509	0.3326	0	0
Nitrogen Oxide	TM16	1	6	17	77	44	1	0.0479	0.622	1.2029	1.0462	1.393	1.8181	3.0639		1.1306	0.3915	0.7389	1.4639	2.7678	4.8646	3.9174	3.6586	0.3338	0.0479	0.07726
Nitrogen Oxide	TM16	1	7	16	77	44	12	0.0495	0.6437	1.2164	1.0562	1.4078	1.84	3.0963		1.1566	0.3971	0.7488	1.4793	2.797	4.9159	3.9588	3.6973	0.343	0.99108	1.59852
Nitrogen Oxide	TM16	1	8	17	77	44	24	0.0479	0.622	1.2029	1.0462	1.393	1.8181	3.0639		1.1306	0.3915	0.7389	1.4639	2.7678	4.8646	3.9174	3.6586	0.3338	1.05345	1.69912
Nitrogen Oxide	TM16	1	9	17	73	44	55	0.0487	0.6315	1.2126	1.0542	1.4049	1.8346	3.0901		1.1461	0.3953	0.7461	1.4763	2.7914	4.9061	3.9508	3.6899	0.3389	1.53167	2.47044
Nitrogen Oxide	TM16	1	10	19	69	44	59	0.0463	0.5998	1.1962	1.0427	1.3879	1.808	3.0526		1.1107	0.3881	0.7337	1.4585	2.7576	4.8467	3.9029	3.6452	0.3259	1.51043	2.43618
Nitrogen Oxide	TM16	1	11	20	60	44	60	0.0458	0.5934	1.1968	1.0442	1.3902	1.8096	3.0577		1.1071	0.388	0.7342	1.4609	2.7622	4.8547	3.9095	3.6513	0.3241	1.11084	1.79168
Nitrogen Oxide	TM16	1	12	21	62	44	53	0.0452	0.5862	1.1904	1.0389	1.3823	1.7974	3.0405		1.0907	0.3849	0.7285	1.4527	2.7466	4.8274	3.8875	3.6307	0.3181	1.12384	1.81265
Nitrogen Oxide	TM16	1	13	21	61	44	49	0.0454	0.5887	1.1935	1.0416	1.3863	1.8027	3.0481		1.0956	0.3861	0.7308	1.4568	2.7543	4.8409	3.8983	3.6488	0.3197	1.76589	2.76589
Nitrogen Oxide	TM16	1	14	21	62	44	48	0.0452	0.5862	1.1904	1.0389	1.3823	1.7974	3.0405		1.0907	0.3849	0.7285	1.4527	2.7466	4.8274	3.8875	3.6307	0.3181	1.10216	1.77768
Nitrogen Oxide	TM16	1	15	21	62	44	56	0.0452	0.5862	1.1904	1.0389	1.3823	1.7974	3.0405		1.0907	0.3849	0.7285	1.4527	2.7466	4.8274	3.8875	3.6307	0.3181	1.05301	1.69841
Nitrogen Oxide	TM16	1	16	21	63	44	53	0.0451	0.5836	1.1873	1.0363	1.3785	1.7922	3.0321		1.0857	0.3837	0.7262	1.4487	2.739	4.8139	3.8766	3.6206	0.3165	1.1206	1.80743
Nitrogen Oxide	TM16	1	17	20	67	44	53	0.0451	0.5852	1.1879	1.0369	1.3793	1.7947	3.0339		1.0932	0.3846	0.7277	1.4495	2.7406	4.8168	3.8789	3.6228	0.3196	1.12159	1.80902
Nitrogen Oxide	TM16	1	18	19	72	44	56	0.0457	0.592	1.1878	1.0359	1.3777	1.7939	3.0303		1.0977	0.385	0.7276	1.4478	2.7373	4.8112	3.8743	3.6185	0.3218	1.05148	1.69593
Nitrogen Oxide	TM16	1	19	18	74	44	58	0.0469	0.6079	1.1966	1.0421	1.3869	1.8081	3.0505		1.116	0.3867	0.7342	1.4575	2.7556	4.8432	3.9002	3.6427	0.3284	1.05285	1.69787
Nitrogen Oxide	TM16	1	20	18	74	44	42	0.0469	0.6079	1.1966	1.0421	1.3869	1.8081	3.0505		1.116	0.3887	0.7342	1.4575	2.7556	4.8432	3.9002	3.6427	0.3284	0.83625	1.34879
Nitrogen Oxide	TM16	1	21	18	75	44	23	0.0467	0.6053	1.194	1.04	1.3837	1.8037	3.0435		1.112	0.3876	0.7322	1.4541	2.7493	4.8322	3.8913	3.6343	0.3271	0.82303	1.32748
Nitrogen Oxide	TM16	1	22	18	76	44	11	0.0465	0.6029	1.1913	1.0378	1.3805	1.7993	3.0366		1.1079	0.3867	0.7304	1.4508	2.743	4.8211	3.8824	3.626	0.3258	0.99837	1.61028
Nitrogen Oxide	TM16	1	23	18	75	44	3	0.0467	0.6053	1.194	1.04	1.3837	1.8037	3.0435		1.112	0.3876	0.7322	1.4541	2.7493	4.8322	3.8913	3.6343	0.3271	0.23229	0.37565
Nitrogen Oxide	TM16	1	24	17	76	44	0	0.0481	0.6244	1.2054	1.0483	1.3959	1.8223	3.0705		1.1345	0.3924	0.7407	1.467	2.7736	4.875	3.9258	3.6665	0.3352	0	0
Nitrogen Oxide	TM16	2	1	17	77	44	2	0.0477	0.6197	1.2005	1.0443	1.3901	1.814	3.0574		1.1268	0.3906	0.7371	1.4608	2.7619	4.8543	3.9091	3.6509	0.3326	0.33372	0.53823
Nitrogen Oxide	TM16	2	2	17	80	44	2	0.0474	0.615	1.1956	1.0403	1.3841	1.8057	3.0444		1.1191	0.3887	0.7335	1.4545	2.75	4.8335	3.8924	3.6353	0.33	0.33512	0.53419
Nitrogen Oxide	TM16	2	3	17	81	44	0	0.0472	0.6126	1.1931	1.0383	1.3811	1.8017	3.0378		1.1152	0.3877	0.7317	1.4514	2.7442	4.8231	3.8839	3.6274	0.3288	0	0
Nitrogen Oxide	TM16	2	4	17	82	44	0	0.047	0.6102	1.1907	1.0362	1.3782	1.7975	3.0313		1.1114	0.3869	0.7299	1.4483	2.7383	4.8127	3.8756	3.6196	0.3276	0	0
Nitrogen Oxide	TM16	2	5	16	83	44	0	0.0486	0.6304	1.2027	1.045	1.391	1.8169	3.0596		1.1349	0.3919	0.7387	1.4618	2.7638	4.8577	3.9118	3.6535	0.3359	0	0
Nitrogen Oxide	TM16	2	6	16	83	44	1	0.0486	0.6304	1.2027	1.045	1.391	1.8169	3.0596		1.1349	0.3919	0.7387	1.4618	2.7638	4.8577	3.9118	3.6535	0.3359	0.0486	0.07839
Nitrogen Oxide	TM16	2	7	16	83	44	12	0.0486	0.6304	1.2027	1.045	1.391	1.8169	3.0596		1.1349	0.3919	0.7387	1.4618	2.7638	4.8577	3.9118	3.6535	0.3359	0.97863	1.57844
Nitrogen Oxide	TM16	2	8	17	81	44	24	0.0472	0.6126	1.1931	1.0383	1.3811	1.8017	3.0378		1.1152	0.3877	0.7317	1.4514	2.7442	4.8231	3.8839	3.6274	0.3288	1.04404	1.68393
Nitrogen Oxide	TM16	2	9	18	77	44	55	0.0463	0.6004	1.1888	1.0357	1.3773	1.795	3.0296		1.1038	0.3857	0.7284	1.4475	2.7367	4.81	3.8734	3.6176	0.3244	1.49889	2.41756
Nitrogen Oxide	TM16	2	10	19	73	44	59	0.0455	0.5894	1.1851	1.0335	1.3743	1.7892	3.0228		1.0934	0.3839	0.7256	1.4443	2.7307	4.7993	3.8648	3.6095	0.3203	1.49508	2.41142
Nitrogen Oxide	TM16	2	11	20	70	44	60	0.0446	0.5776	1.1792	1.0296	1.3685	1.7797	3.01		1.0795	0.3813	0.7211	1.438	2.719	4.7789	3.8483	3.5942	0.3151	1.0925	1.76209
Nitrogen Oxide	TM16	2	12	20	68	44	53	0.043	0.5825	1.185	1.0345	1.3757	1.7897	3.0259		1.0887	0.3835	0.7255	1.4457	2.7333	4.8042	3.8687	3.6132	0.3182	1.11848	1.80401
Nitrogen Oxide	TM16	2	13	21	65	44	49	0.0447	0.5786	1.181	1.0311	1.3708	1.7815	3.015		1.076	0.3813	0.7215	1.4405	2.7236	4.787	3.8548	3.6002	0.3133	1.08206	1.74526
Nitrogen Oxide	TM16	2	14	21	65	44	48	0.0447	0.5786	1.181	1.0311	1.3708	1.7815	3.015		1.076	0.3813	0.7215	1.4405	2.7236	4.787	3.8548	3.6002	0.3133	1.09255	1.76218
Nitrogen Oxide	TM16	2	15	21	66	44	56	0.0445	0.5761	1.178	1.0285	1.3669	1.7761	3.0066		1.0711	0.3801	0.7193	1.4364	2.716	4.7735	3.844	3.5902	0.3118	1.04074	1.67862
Nitrogen Oxide	TM16	2	16	20	68	44	53	0.045	0.5825	1.185	1.0345	1.3757	1.7897	3.0259		1.0887	0.3835	0.7255	1.4457	2.7333	4.8042	3.8687	3.6132	0.3182	1.11848	1.80401
Nitrogen Oxide	TM16	2	17	20	70	44	53	0.0446	0.5776	1.1792	1.0296	1.3685	1.7797	3.01		1.0795	0.3813	0.7211	1.438	2.719	4.7789	3.8483	3.5942	0.3151	1.1123	1.79404
Nitrogen Oxide	TM16	2	18	19	74	44	56	0.0463	0.5983	1.1823	1.0313	1.3719	1.7876	3.0154		1.1089	0.3828	0.7236	1.4472	2.7241	4.7975	3.8633	3.6007	0.3189	1.05289	1.68692
Nitrogen Oxide	TM16	2	19	18	76	44	58	0.0465	0.6029	1.1913	1.0378	1.3805	1.7993	3.0366		1.1079	0.3867	0.7304	1.4508	2.743	4.8211	3.8824	3.626	0.3258	1.10278	1.77867
Nitrogen Oxide	TM16	2	20	18	78	44	42	0.0461	0.598	1.1862	1.0335	1.3742	1.7905	3.0226		1.0997	0.3847	0.7265	1.4441	2.7304	4.7989	3.8644	3.6093	0.3231	0.8277	1.33499
Nitrogen Oxide	TM16	2	21	18	78	44	23	0.0461	0.598	1.1862	1.0335	1.3742	1.7905	3.0226		1.0997	0.3847	0.7265	1.4441	2.7304	4.7989	3.8644	3.6093	0.3231	0.817	1.31775
Nitrogen Oxide	TM16	2	22	18	78	44	11	0.0461	0.598	1.1862	1.0335	1.3742	1.7905	3.0226		1.0997	0.3847	0.7265	1.4441	2.7304	4.7989	3.8644	3.6093	0.3231	0.99341	1.60227
Nitrogen Oxide	TM16	2	23	18	78	44	3	0.0461	0.598	1.1862	1.0335	1.3742	1.7905	3.0226		1.0997	0.3847	0.7265	1.4441	2.7304	4.7989	3.8644	3.6093	0.3231	0.23087	0.37208
Nitrogen Oxide	TM16	2	24	18	78	44	0	0.0461	0.598	1.1862	1.0335	1.3742	1.7905	3.0226		1.0997	0.3847	0.7265	1.4441	2.7304	4.7989	3.8644	3.6093	0.3231	0	0
Nitrogen Oxide	TM16	3	1	21	86	44	2	0.0406	0.5243	1.116	0.9764	1.2897	1.6697	2.8366		0.9736	0.3561	0.673	1.3552	2.5625	4.5038	3.6268	3.3873	0.2801	0.28245	0.45556
Nitrogen Oxide	TM16	3	2	20	87	44	2	0.0415	0.5372	1.13	0.9881	1.3069	1.6948	2.8746		1.0012	0.3622	0.6842	1.3735	2.5968	4.564	3.6753	3.4325	0.2897	0.28935	0.46669
Nitrogen Oxide	TM16	3	3	20	87	44	0	0.0415	0.5372	1.13	0.9881	1.3069	1.6948	2.8746		1.0012	0.3622	0.6842	1.3735	2.5968	4.564	3.6753	3.4325	0.2897	0	0
Nitrogen Oxide	TM16	3	4	20	87	44	0	0.0415	0.5372	1.13	0.9881	1.3069	1.6948	2.8746		1.0012	0.3622	0.6842	1.3735	2.5968	4.564	3.6753	3.4325	0.2897	0	0
Nitrogen Oxide	TM16	3	5	20	87	44	0	0.0415	0.5372	1.13	0.9881	1.3069	1.6948	2.8746		1.0012	0.3622	0.6842	1.3735	2.5968	4.564	3.6753	3.4325	0.2897	0	0
Nitrogen Oxide	TM16	3	6	20	87	44	1	0.0415	0.5372	1.13	0.9881	1.3069	1.6948	2.8746		1.0012	0.3622	0.6842	1.3735	2.5968	4.564	3.6753	3.4325	0.2897	0.0415	0.06694
Nitrogen Oxide	TM16	3	7	20	87	44	12	0.0415	0.5372	1.13	0.9881	1.3069	1.6948	2.8746		1.0012	0.3622	0.6842	1.3735	2.5968	4.564	3.6753	3.4325	0.2897	0.91029	1.46821
Nitrogen Oxide	TM16	3	8	20	86	44	24	0.0417	0.5395	1.1329	0.9905	1.3106	1.6997	2.8826		1.0059	0.3633	0.6864	1.3773	2.604	4.5767	3.6855	3.4421	0.2912	0.98485	1.58847
Nitrogen Oxide	TM16	3	9	21	83	44	55	0.0412	0.5322	1.1254	0.9843	1.3013	1.6856	2.8621		0.9883	0.3598	0.68	1.3675	2.5855	4.5442	3.6594	3.4177	0.2848	1.41065	2.27524
Nitrogen Oxide	TM16	3	10	22	79	44	59	0.0409	0.5283	1.1215	0.9809	1.2964	1.6777	2.8514		0.9764	0.3577	0.6762	1.3623	2.5759	4.5272	3.6457	3.4049	0.2804	1.40612	2.26793
Nitrogen Oxide	TM16	3	11	22	78	44	60	0.0411	0.5311	1.1247	0.9837	1.3005	1.6834	2.8605		0.9816	0.3589	0.6786	1.366	2.5841	4.5416	3.6573	3.4158	0.2821	1.66354	1.67006
Nitrogen Oxide	TM16	3	12	23	77	44	53	0.0402	0.5195	1.1112	0.9724	1.2837	1.6589	2.8235		0.9549	0.3533	0.6678	1.3491	2.5506	4.4829	3.61	3.3716	0.2728	1.03947	1.67656
Nitrogen Oxide	TM16	3	13	23	77	44	49	0.0402	0.5195	1.1112	0.9724	1.2837	1.6589	2.8235		0.9549	0.3533	0.6678	1.3491	2.5506	4.4829	3.61	3.3716	0.2728	1.00935	1.62798
Nitrogen Oxide	TM16	3	14	23	77	44	48	0.0402	0.5195	1.1112	0.9724	1.2837	1.6589	2.8235		0.9549	0.3533	0.6678	1.3491	2.5506	4.4829	3.61	3.3716	0.2728	1.01955	1.64444
Nitrogen Oxide	TM16	3	15	23	76	44	56	0.0404	0.5225	1.1147	0.9753	1.2881	1.6651	2.8332		0.9605	0.3546	0.6704	1.3537	2.5593	4.4983	3.6223	3.3831	0.2746	0.97738	1.57643
Nitrogen Oxide	TM16	3	16	23	77	44	53	0.0402	0.5195	1.1112	0.9724	1.2837	1.6589	2.8235		0.9549	0.3533	0.6678	1.3491	2.5506	4.4829	3.61	3.3716	0.2728	1.03947	1.67656
Nitrogen Oxide	TM16	3	17	22	79	44	53	0.0409	0.5283	1.1215	0.9809	1.2964	1.6777	2.8514		0.9764	0.3577	0.6762	1.3623	2.5759	4.5272	3.6457	3.4049	0.2804	1.05048	1.69432
Nitrogen Oxide	TM16	3	18	22	82	44	56	0.0402	0.5198	1.1115	0.9726	1.2841	1.6606	2.8242		0.961	0.3539	0.6688	1.3494	2.5512	4.4841	3.611	3.3725	0.2754	0.97423	1.57135
Nitrogen Oxide	TM16	3	19	21	84	44	58	0.041	0.5296	1.1223	0.9816	1.2974	1.6804	2.8537		0.9834	0.3586	0.6776	1.3635	2.5778	4.5307	3.6485	3.4075	0.2833	1.02941	1.66034
Nitrogen Oxide	TM16	3	20	21	85	44	42	0.0408	0.527	1.1192	0.979	1.2935	1.675	2.8452		0.9786	0.3574	0.6754	1.3594	2.5702	4.5172	3.6377	3.3974	0.2817	0.77123	1.24391
Nitrogen Oxide	TM16	3	21	21	86	44	23	0.0406	0.5243	1.116	0.9764	1.2897	1.6697	2.8366		0.9736	0.3561	0.673	1.3552	2.5625	4.5038	3.6268	3.3873	0.2801	0.76203	1.22908
Nitrogen Oxide	TM16	3	22	21	86	44	11	0.0406	0.5243	1.116	0.9764	1.2897	1.6697	2.8366		0.9736	0.3561	0.673	1.3552	2.5625	4.5038	3.6268	3.3873	0.2801	0.92498	1.49191
Nitrogen Oxide	TM16	3	23	21	85	44	3	0.0408	0.527	1.1192	0.979	1.2935	1.675	2.8452		0.9786	0.3574	0.6754	1.3594	2.5702	4.5172	3.6377	3.3974	0.2817	0.20287	0.3272
Nitrogen Oxide	TM16	3	24	21	86	44	0	0.0406	0.5243	1.116	0.9764	1.2897	1.6697	2.8366		0.9736	0.3561	0.673	1.3552	2.5625	4.5038	3.6268	3.3873	0.2801	0	0
Nitrogen Oxide	TM16	4	1	20	83	44	2	0.0423	0.5468	1.1416	0.9979	1.3215	1.7148	2.9065		1.0197	0.3667	0.6929	1.3887	2.6255	4.6145	3.7161	3.4706	0.2956	0.29455	0.47

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:

(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.

(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Oxide	TM16	6	11	30	75	44	60	0.0329	0.4241	0.9793	0.8587	1.1152	1.4266	2.4529		0.743	0.3007	0.5671	1.172	2.2158	3.8945	3.1362	2.929	0.2039	0.88443	1.42651
Nitrogen Oxide	TM16	6	12	30	74	44	53	0.0333	0.4293	0.9848	0.8633	1.122	1.4358	2.4678		0.7514	0.3028	0.5711	1.1791	2.2293	3.9181	3.1552	2.9468	0.2065	0.90556	1.46058
Nitrogen Oxide	TM16	6	13	31	73	44	49	0.0324	0.4188	0.9668	0.8477	1.0988	1.404	2.4168		0.7229	0.2959	0.5574	1.1548	2.1832	3.8371	3.09	2.8859	0.1973	0.86086	1.38848
Nitrogen Oxide	TM16	6	14	31	72	44	48	0.0329	0.4242	0.9726	0.8526	1.106	1.4139	2.4325		0.7319	0.2981	0.5617	1.1623	2.1975	3.8621	3.1102	2.9048	0.2002	0.85762	1.41322
Nitrogen Oxide	TM16	6	15	30	74	44	56	0.0333	0.4293	0.9848	0.8633	1.122	1.4358	2.4678		0.7514	0.3028	0.5711	1.1791	2.2293	3.9181	3.1552	2.9468	0.2065	0.84864	1.36877
Nitrogen Oxide	TM16	6	16	30	74	44	53	0.0333	0.4293	0.9848	0.8633	1.122	1.4358	2.4678		0.7514	0.3028	0.5711	1.1791	2.2293	3.9181	3.1552	2.9468	0.2065	0.90556	1.46058
Nitrogen Oxide	TM16	6	17	30	75	44	53	0.0329	0.4241	0.9793	0.8587	1.1152	1.4266	2.4529		0.743	0.3007	0.5671	1.172	2.2158	3.8945	3.1362	2.929	0.2039	0.89966	1.45106
Nitrogen Oxide	TM16	6	18	29	79	44	56	0.0326	0.4202	0.9814	0.8614	1.119	1.4319	2.4614		0.7475	0.3017	0.5694	1.176	2.2235	3.9079	3.147	2.9392	0.2053	0.84474	1.36248
Nitrogen Oxide	TM16	6	19	29	81	44	58	0.0319	0.4109	0.971	0.8528	1.1063	1.4144	2.4334		0.7317	0.2978	0.5618	1.1626	2.1982	3.8635	3.1112	2.9057	0.2003	0.87196	1.40638
Nitrogen Oxide	TM16	6	20	28	83	44	42	0.0325	0.4193	0.9851	0.865	1.1245	1.4393	2.4734		0.754	0.3033	0.5726	1.1817	2.2343	3.927	3.1623	2.9534	0.2074	0.66385	1.07065
Nitrogen Oxide	TM16	6	21	28	85	44	23	0.0319	0.4108	0.9754	0.857	1.1126	1.4229	2.447		0.7392	0.2997	0.5654	1.1691	2.2104	3.8851	3.1286	2.922	0.2026	0.65433	1.05536
Nitrogen Oxide	TM16	6	22	28	86	44	11	0.0316	0.4065	0.9706	0.853	1.1066	1.4146	2.4338		0.7317	0.2977	0.5619	1.1629	2.1985	3.8642	3.1118	2.9062	0.2003	0.787	1.26935
Nitrogen Oxide	TM16	6	23	28	87	44	3	0.0312	0.4021	0.9657	0.8489	1.1005	1.4064	2.4207		0.7243	0.2959	0.5583	1.1566	2.1867	3.8432	3.0949	2.8905	0.1978	0.15483	0.24973
Nitrogen Oxide	TM16	6	24	28	87	44	0	0.0312	0.4021	0.9657	0.8489	1.1005	1.4064	2.4207		0.7243	0.2959	0.5583	1.1566	2.1867	3.8432	3.0949	2.8905	0.1978	0	0
Nitrogen Oxide	TM16	7	1	28	84	44	2	0.0322	0.4151	0.9803	0.861	1.1185	1.4311	2.4602		0.7465	0.3015	0.569	1.1754	2.2224	3.906	3.1455	2.9377	0.205	0.22365	0.36073
Nitrogen Oxide	TM16	7	2	28	84	44	2	0.0322	0.4151	0.9803	0.861	1.1185	1.4311	2.4602		0.7465	0.3015	0.569	1.1754	2.2224	3.906	3.1455	2.9377	0.205	0.22365	0.36073
Nitrogen Oxide	TM16	7	3	28	86	44	0	0.0316	0.4065	0.9706	0.853	1.1066	1.4146	2.4338		0.7317	0.2977	0.5619	1.1629	2.1985	3.8642	3.1118	2.9062	0.2003	0	0
Nitrogen Oxide	TM16	7	4	28	86	44	0	0.0316	0.4065	0.9706	0.853	1.1066	1.4146	2.4338		0.7317	0.2977	0.5619	1.1629	2.1985	3.8642	3.1118	2.9062	0.2003	0	0
Nitrogen Oxide	TM16	7	5	28	88	44	0	0.0309	0.3977	0.9609	0.8448	1.0945	1.3983	2.4075		0.7168	0.2941	0.5547	1.1502	2.1748	3.8223	3.0781	2.8748	0.1954	0	0
Nitrogen Oxide	TM16	7	6	27	88	44	1	0.0322	0.415	0.9852	0.8658	1.1257	1.441	2.476		0.7552	0.3037	0.5732	1.183	2.2367	3.9312	3.1657	2.9566	0.2079	0.0322	0.05194
Nitrogen Oxide	TM16	7	7	28	86	44	12	0.0316	0.4065	0.9706	0.853	1.1066	1.4146	2.4338		0.7317	0.2977	0.5619	1.1629	2.1985	3.8642	3.1118	2.9062	0.2003	0.76683	1.23683
Nitrogen Oxide	TM16	7	8	29	81	44	24	0.0319	0.4109	0.971	0.8528	1.1063	1.4144	2.4334		0.7317	0.2978	0.5618	1.1626	2.1982	3.8635	3.1112	2.9057	0.2003	0.82788	1.33529
Nitrogen Oxide	TM16	7	9	30	76	44	55	0.0325	0.419	0.9738	0.8543	1.1085	1.4173	2.4381		0.7346	0.2986	0.5631	1.1648	2.2024	3.8709	3.1172	2.9113	0.2011	1.19688	1.93045
Nitrogen Oxide	TM16	7	10	31	70	44	59	0.0337	0.4349	0.9842	0.8622	1.1203	1.4336	2.4641		0.7496	0.3025	0.5702	1.1773	2.2259	3.9122	3.1505	2.9424	0.206	1.21235	1.95541
Nitrogen Oxide	TM16	7	11	31	68	44	60	0.0345	0.4458	0.996	0.8719	1.1346	1.4533	2.4956		0.7674	0.307	0.5787	1.1924	2.2544	3.9622	3.1908	2.98	0.2117	0.90237	1.45544
Nitrogen Oxide	TM16	7	12	32	67	44	53	0.0338	0.4369	0.9791	0.8574	1.113	1.4236	2.4481		0.7408	0.3007	0.5659	1.1697	2.2115	3.8868	3.1299	2.9233	0.2031	0.90071	1.45275
Nitrogen Oxide	TM16	7	13	32	66	44	49	0.0342	0.4428	0.9854	0.8625	1.1207	1.4339	2.4648		0.7503	0.303	0.5704	1.1776	2.2265	3.9133	3.1513	2.9432	0.2062	0.88103	1.42101
Nitrogen Oxide	TM16	7	14	32	66	44	48	0.0342	0.4428	0.9854	0.8625	1.1207	1.4339	2.4648		0.7503	0.303	0.5704	1.1776	2.2265	3.9133	3.1513	2.9432	0.2062	0.89016	1.43574
Nitrogen Oxide	TM16	7	15	31	68	44	56	0.0345	0.4458	0.996	0.8719	1.1346	1.4533	2.4956		0.7674	0.307	0.5787	1.1924	2.2544	3.9622	3.1908	2.98	0.2117	0.86048	1.38788
Nitrogen Oxide	TM16	7	16	31	69	44	53	0.0341	0.4404	0.9901	0.8671	1.1274	1.4434	2.4798		0.7585	0.3048	0.5745	1.1849	2.2401	3.9372	3.1706	2.9613	0.2088	0.91174	1.47055
Nitrogen Oxide	TM16	7	17	31	70	44	53	0.0337	0.4349	0.9842	0.8622	1.1203	1.4336	2.4641		0.7496	0.3025	0.5702	1.1773	2.2259	3.9122	3.1505	2.9424	0.206	0.9055	1.46049
Nitrogen Oxide	TM16	7	18	30	73	44	56	0.0337	0.4343	0.9903	0.8679	1.1287	1.4451	2.4826		0.7598	0.3049	0.5752	1.1862	2.2427	3.9417	3.1742	2.9645	0.2093	0.85414	1.37765
Nitrogen Oxide	TM16	7	19	29	76	44	58	0.0337	0.4346	0.997	0.8742	1.1382	1.4581	2.5034		0.7713	0.3076	0.5807	1.1961	2.2615	3.9747	3.2007	2.9893	0.213	0.89899	1.44999
Nitrogen Oxide	TM16	7	20	29	79	44	42	0.0326	0.4202	0.9814	0.8614	1.119	1.4319	2.4614		0.7475	0.3017	0.5694	1.176	2.2235	3.9079	3.147	2.9392	0.2053	0.66149	1.06692
Nitrogen Oxide	TM16	7	21	29	81	44	23	0.0319	0.4109	0.971	0.8528	1.1063	1.4144	2.4334		0.7317	0.2978	0.5618	1.1626	2.1982	3.8635	3.1112	2.9057	0.2003	0.65125	1.05041
Nitrogen Oxide	TM16	7	22	29	82	44	11	0.0316	0.4063	0.9659	0.8485	1.1	1.4056	2.4194		0.7238	0.2959	0.558	1.1559	2.1856	3.8413	3.0934	2.889	0.1977	0.78297	1.26286
Nitrogen Oxide	TM16	7	23	28	83	44	3	0.0325	0.4193	0.9851	0.865	1.1245	1.4393	2.4734		0.754	0.3033	0.5726	1.1817	2.2343	3.927	3.1623	2.9534	0.2074	0.16143	0.26038
Nitrogen Oxide	TM16	7	24	28	85	44	0	0.0322	0.4151	0.9803	0.861	1.1185	1.4311	2.4602		0.7465	0.3015	0.569	1.1754	2.2224	3.906	3.1455	2.9377	0.205	0	0
Nitrogen Oxide	TM16	8	1	27	90	44	2	0.0316	0.4069	0.9761	0.8583	1.1144	1.4255	2.4512		0.7413	0.3003	0.5665	1.1711	2.2143	3.8917	3.1339	2.927	0.2033	0.21925	0.35363
Nitrogen Oxide	TM16	8	2	26	90	44	2	0.033	0.4252	0.9999	0.8786	1.1448	1.4671	2.5178		0.7785	0.3096	0.5845	1.203	2.2744	3.9975	3.2192	3.0066	0.2154	0.2291	0.36952
Nitrogen Oxide	TM16	8	3	26	91	44	0	0.0327	0.4215	0.9956	0.8751	1.1395	1.4599	2.5061		0.772	0.3079	0.5814	1.1974	2.264	3.9791	3.2043	2.9926	0.2133	0	0
Nitrogen Oxide	TM16	8	4	26	92	44	0	0.0324	0.4178	0.9913	0.8715	1.1341	1.4525	2.4945		0.7654	0.3064	0.5782	1.1919	2.2534	3.9605	3.1893	2.9787	0.2111	0	0
Nitrogen Oxide	TM16	8	5	26	93	44	0	0.0321	0.414	0.9871	0.868	1.1288	1.4453	2.4829		0.7588	0.3048	0.5751	1.1862	2.2428	3.942	3.1744	2.9648	0.209	0	0
Nitrogen Oxide	TM16	8	6	26	94	44	1	0.0319	0.4102	0.9828	0.8643	1.1235	1.4388	2.4712		0.7522	0.3031	0.5719	1.1807	2.2324	3.9256	3.1596	2.9509	0.2069	0.03919	0.05145
Nitrogen Oxide	TM16	8	7	26	93	44	12	0.0321	0.414	0.9871	0.868	1.1288	1.4453	2.4829		0.7588	0.3048	0.5751	1.1862	2.2428	3.942	3.1744	2.9648	0.209	0.78125	1.26008
Nitrogen Oxide	TM16	8	8	27	87	44	24	0.0325	0.4191	0.9898	0.8697	1.1314	1.4488	2.4884		0.7622	0.3054	0.5765	1.189	2.2479	3.9509	3.1815	2.9714	0.21	0.84585	1.36428
Nitrogen Oxide	TM16	8	9	29	81	44	55	0.0319	0.4109	0.971	0.8528	1.1063	1.4144	2.4334		0.7317	0.2978	0.5618	1.1626	2.1982	3.8635	3.1112	2.9057	0.2003	1.19357	1.92512
Nitrogen Oxide	TM16	8	10	30	76	44	59	0.0325	0.419	0.9738	0.8543	1.1085	1.4173	2.4381		0.7346	0.2986	0.5631	1.1648	2.2024	3.8709	3.1172	2.9113	0.2011	1.19814	1.93248
Nitrogen Oxide	TM16	8	11	30	73	44	60	0.0337	0.4343	0.9903	0.8679	1.1287	1.4451	2.4826		0.7598	0.3049	0.5752	1.1862	2.2427	3.9417	3.1742	2.9645	0.2093	0.89594	1.44506
Nitrogen Oxide	TM16	8	12	30	73	44	53	0.0337	0.4343	0.9903	0.8679	1.1287	1.4451	2.4826		0.7598	0.3049	0.5752	1.1862	2.2427	3.9417	3.1742	2.9645	0.2093	0.91141	1.47002
Nitrogen Oxide	TM16	8	13	30	74	44	49	0.0333	0.4293	0.9848	0.8633	1.122	1.4358	2.4678		0.7514	0.3028	0.5711	1.1791	2.2293	3.9181	3.1552	2.9468	0.2065	0.87904	1.4178
Nitrogen Oxide	TM16	8	14	30	74	44	48	0.0333	0.4293	0.9848	0.8633	1.122	1.4358	2.4678		0.7514	0.3028	0.5711	1.1791	2.2293	3.9181	3.1552	2.9468	0.2065	0.88841	1.43291
Nitrogen Oxide	TM16	8	15	30	75	44	56	0.0329	0.4241	0.9793	0.8587	1.1152	1.4266	2.4529		0.743	0.3007	0.5671	1.172	2.2158	3.8945	3.1362	2.929	0.2039	0.84308	1.35981
Nitrogen Oxide	TM16	8	16	29	77	44	53	0.0334	0.4297	0.9919	0.8699	1.1318	1.4493	2.4894		0.7633	0.3056	0.577	1.1894	2.2487	3.9524	3.1828	2.9726	0.2104	0.91265	1.47202
Nitrogen Oxide	TM16	8	17	29	79	44	53	0.0326	0.4202	0.9814	0.8614	1.119	1.4319	2.4614		0.7475	0.3017	0.5694	1.176	2.2235	3.9079	3.147	2.9392	0.2053	1.43417	2.00158
Nitrogen Oxide	TM16	8	18	28	80	44	56	0.0336	0.4321	0.9997	0.8771	1.1425	1.464	2.5129		0.7763	0.3088	0.5833	1.2006	2.27	3.9897	3.2128	3.0007	0.2146	0.86264	1.39136
Nitrogen Oxide	TM16	8	19	28	82	44	58	0.0329	0.4237	0.99	0.8691	1.1305	1.4476	2.4866		0.7614	0.3052	0.5761	1.188	2.2462	3.9479	3.1791	2.9691	0.2099	0.8914	1.43774
Nitrogen Oxide	TM16	8	20	28	84	44	42	0.0322	0.4151	0.9803	0.861	1.1185	1.4311	2.4602		0.7465	0.3015	0.569	1.1754	2.2224	3.906	3.1455	2.9377	0.205	0.65991	1.06438
Nitrogen Oxide	TM16	8	21	27	85	44	23	0.0322	0.4272	0.9989	0.8772	1.1427	1.4642	2.5132		0.7762	0.3089	0.5833	1.2008	2.2703	3.9902	3.2132	3.001	0.2146	0.6721	1.08403
Nitrogen Oxide	TM16	8	22	27	87	44	11	0.0325	0.4191	0.9898	0.8697	1.1314	1.4488	2.4884		0.7622	0.3054	0.5765	1.189	2.2479	3.9509	3.1815	2.9714	0.21	0.80487	1.29818
Nitrogen Oxide	TM16	8	23	27	88	44	3	0.0322	0.415	0.9852	0.8658	1.1257	1.441	2.476		0.7552	0.3037	0.5732	1.183	2.2367	3.9312	3.1657	2.9566	0.2079	0.1598	0.25774
Nitrogen Oxide	TM16	8	24	27	89	44	0	0.032	0.411	0.9806	0.862	1.1201	1.4332	2.4636		0.7482	0.302	0.5698	1.177	2.2255	3.9115	3.1499	2.9418	0.2056	0	0
Nitrogen Oxide	TM16	9	1	27	89	44	2	0.032	0.411	0.9806	0.862	1.1201	1.4332	2.4636		0.7482	0.302	0.5698	1.177	2.2255	3.9115	3.1499	2.9418	0.2056	0.2215	0.35726
Nitrogen Oxide	TM16	9	2	26	91	44	2	0.0333	0.4291	0.1042	0.8823	1.1501	1.4744	2.5295		0.7851	0.3112	0.5877	1.2085	2.285	4.0161	3.234	3.0205	0.2175	0.2312	0.3729
Nitrogen Oxide	TM16	9	3	26	91	44	0	0.0327	0.4215	0.9956	0.8751	1.1395	1.4599	2.5061		0.772	0.3079	0.5814	1.1974	2.264	3.9791	3.2043	2.9926	0.2133	0	0
Nitrogen Oxide	TM16	9	4	26	92	44	0	0.0324	0.4178	0.9913	0.8715	1.1341	1.4525	2.4945		0.7654	0.3064	0.5782	1.1919	2.2534	3.9605	3.1893	2.9787	0.2111	0	0
Nitrogen Oxide	TM16	9	5	26	92	44	0	0.0324	0.4178	0.9913	0.8715	1.1341	1.4525	2.4945		0.7654	0.3064	0.5782	1.1919	2.2534	3.9605	3.1893	2.9787	0.2111	0	0
Nitrogen Oxide	TM16	9	6	26	93	44	1	0.0321	0.414	0.9871	0.868	1.1288	1.4453	2.4829		0.7588	0.3048	0.5751	1.1862	2.2428	3.942	3.1744	2.9648	0.209	0.0321	0.05177
Nitrogen Oxide	TM16	9	7	26	93	44	12	0.0321	0.414	0.9871	0.868	1.1288	1.4453	2.4829		0.7588	0.3048	0.5751	1.1862	2.2428	3.942	3.1744	2.9648	0.209	0.78125	1.26008
Nitrogen Oxide	TM16	9	8	27	88	44	24	0.0322	0.415	0.9852	0.8658	1.1257	1.441	2.476		0.7552	0.3037	0.5732	1.183	2.2367	3.9312	3.1657	2.9566	0.2079	0.84141	1.35711
Nitrogen Oxide	TM16	9	9	28	83	44	55	0.0325	0.4193	0.9851	0.865	1.1245	1.4393	2.4734		0.754	0.3033	0.5726	1.1817	2.2343	3.927	3.1623	2.9534	0.2074	1.21335	1.95702
Nitrogen Oxide	TM16	9	10	29	78	44	59	0.033	0.4321	0.9866	0.8657	1.1255	1.4406	2.4755		0.7554	0.3037	0.5731	1.1827	2.2361	3.9302	3.1649	2.9559	0.2079	1.2164	1.96194
Nitrogen Oxide	TM16	9	11	29	76	44	60	0.0337	0.4346	0.997	0.8742	1.1382	1.4581	2.5034		0.7713	0.3076	0.5807	1.1961	2.2615	3.9747	3.2007	2.9893	0.213	0.90257	1.45576
Nitrogen Oxide	TM16	9	12	29	76	44	53	0.0337	0.4346	0.997	0.8742	1.1382	1.4581	2.5034		0.7713	0.3076	0.5807	1.1961	2.2615	3.9747	3.2007	2.9893	0.213	0.91819	1.48095
Nitrogen Oxide	TM16	9	13	30	75	44	49	0.0329	0.4241	0.9793	0.8587	1.1152	1.4266	2.4529		0.743	0.3007	0.5671	1.172	2.2158	3.8945	3.1362	2.929	0.2039	0.87327	1.4085
Nitrogen Oxide	TM16	9	14	29	75	44	48	0.034	0.4393	1.0022	0.8785	1.1445	1.4668	2.5174		0.7792	0.3095	0.5845	1.2027	2.2741	3.9968	3.2186	3.006	0.2155	0.90615	1.46153
Nitrogen Oxide	TM16	9	15	29	77	44	56	0.0334	0.4297	0.9919	0.8699	1.1318	1.4493	2.4894		0.7633	0.3056	0.577	1.1894	2.2487	3.9524	3.1828	2.9726	0.2104	0.85516	1.37928
Nitrogen Oxide	TM16	9	16	29	76	44	53	0.0337	0.4346	0.997	0.8742	1.1382	1.4581	2.5034		0.7713	0.3076	0.5807	1.1961	2.2615	3.9747	3.2007	2.9893	0.213	0.91819	1.48095
Nitrogen Oxide	TM16	9	17	29	78	44	53	0.033	0.425	0.9866	0.8657	1.1255	1.4406	2.4755		0.7554	0.3037	0.5731	1.1827	2.2361	3.9302	3.1649	2.9559	0.2079	0.90715	1.46314
Nitrogen Oxide	TM16	9	18	28	81	44	56	0.0332	0.4279	0.9948	0.8731	1.1365	1.4558	2.4997		0.7689	0.307	0.5797	1.1944	2.2581	3.9688	3.196	2.985	0.2122	0.85779	1.38353
Nitrogen Oxide	TM16	9	19	27	84	44	58	0.0335	0.4313	1.0035	0.8811	1.1482	1.472	2.5256		0.7832	0.3106	0.5866	1.2067	2.2815	4.0099	3.2292	3.0158	0.2169	0.90527	1.46011
Nitrogen Oxide	TM16	9	20	27	87	44	42	0.0328	0.4232	0.9943	0.8735	1.137	1.4564	2.5089		0.7692	0.3072	0.5799	1.1949	2.2591	3.9705	3.1974	2.9863	0.2123	0.67067	1.08172
Nitrogen Oxide	TM16	9	21	27	87	44	23	0.0325	0.4191	0.9898	0.8697	1.1314	1.4488	2.4884		0.7622	0.3054	0.5765	1.189	2.2479	3.9509	3.1815	2.9714	0.21	0.66508	1.07271
Nitrogen Oxide	TM16	9	22	27	89	44	11	0.032	0.411	0.9806	0.862	1.1201	1.4332	2.4636		0.7482	0.302	0.5698	1.177	2.2255	3.9115	3.1499	2.9418	0.2056	0.79619	1.28418
Nitrogen Oxide	TM16	9	23	27	89	44	3	0.032	0.411	0.9806	0.862	1.1201	1.4332	2.4636		0.7482	0.302	0.5698	1.177	2.2255	3.9115	3.1499	2.9418	0.2056	0.15833	0.25538
Nitrogen Oxide	TM16	9	24	26	89	44	0	0.0333	0.4291	1.0042	0.8823	1.1501	1.4744	2.5295		0.7851	0.3112	0.5877	1.2085	2.285	4.0161	3.234	3.0205	0.2175	0	0
Nitrogen Oxide	TM16	10	1	24	74	44	2	0.0398	0.5146	1.1048	0.9669	1.2756	1.6468	2.8057		0.94	0.3504	0.6622	1.3405	2.5346	4.4547	3.5873	3.3503	0.2675	0.2772	0.4471
Nitrogen Oxide	TM16	10	2	23	74	44	2	0.0409	0.5286	1.1218	0.9813	1.2969	1.6771	2.8525		0.9713	0.3574	0.6757	1.3629	2.5768	4.529	3.6471	3.4062	0.2782	0.28475	0.45927
Nitrogen Oxide	TM16	10	3	23	74	44	0	0.0409	0.5286	0.1218	0.9813	1.2969	1.6771	2.8525		0.9713	0.3574	0.6757	1.3629	2.5768	4.529	3.6471	3.4062	0.2782	0	0
Nitrogen Oxide	TM16	10	4	23	75	44	0	0.0407	0.5256	1.1183	0.9783	1.2925	1.6711	2.8428		0.9659	0.356	0.673	1.3583	2.5681	4.5136	3.6347	3.3947	0.2765	0	0
Nitrogen Oxide	TM16	10	5	23	74	44	0	0.0409	0.5286	1.1218	0.9813	1.2969	1.6771	2.8525		0.9713	0.3574	0.6757	1.3629	2.5768	4.529	3.6471	3.4062	0.2782	0	0
Nitrogen Oxide	TM16	10	6	23	75	44	1	0.0407	0.5256	1.1183	0.9783	1.2925	1.6711	2.8428		0.9659	0.356	0.673	1.3583	2.5681	4.5136	3.6347	3.3947	0.2765	0.0407	0.06565
Nitrogen Oxide	TM16	10	7	23	75	44	12	0.0407	0.

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:

(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.

(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Oxide	TM16	12	16	19	57	44	53	0.0487	0.6311	1.2294	1.0701	1.4286	1.8642	3.1421		1.1628	0.4008	0.7582	1.5013	2.8384	4.9888	4.0174	3.752	0.343	1.16643	1.88135
Nitrogen Oxide	TM16	12	17	18	60	44	53	0.0495	0.6425	1.2331	1.0721	1.4314	1.8696	3.1482		1.1733	0.4026	0.7609	1.5042	2.8439	4.9985	4.0252	3.7593	0.3471	1.17095	1.88863
Nitrogen Oxide	TM16	12	18	18	64	44	56	0.0488	0.6325	1.2226	1.0635	1.4187	1.852	3.1203		1.1569	0.3986	0.7533	1.4908	2.8188	4.9541	3.9895	3.726	0.3417	1.08721	1.75357
Nitrogen Oxide	TM16	12	19	18	65	44	58	0.0501	0.6502	1.2321	1.0703	1.4287	1.8675	3.1424		1.1769	0.4027	0.7604	1.5013	2.8386	4.9891	4.0157	3.7523	0.349	1.14626	1.8488
Nitrogen Oxide	TM16	12	20	17	66	44	42	0.0499	0.6479	1.2297	1.0683	1.4257	1.8634	3.1359		1.1731	0.4017	0.7586	1.4983	2.8327	4.9787	4.0094	3.7445	0.3477	0.86492	1.39503
Nitrogen Oxide	TM16	12	21	17	66	44	23	0.0499	0.6479	1.2297	1.0683	1.4257	1.8634	3.1359		1.1731	0.4017	0.7586	1.4983	2.8327	4.9787	4.0094	3.7445	0.3477	0.85137	1.37318
Nitrogen Oxide	TM16	12	22	16	66	44	11	0.0514	0.6683	1.2415	1.0768	1.4383	1.8825	3.1636		1.1965	0.4068	0.7672	1.5115	2.8577	5.0228	4.0448	3.7776	0.3562	1.04864	1.69135
Nitrogen Oxide	TM16	12	23	16	66	44	3	0.0514	0.6683	1.2415	1.0768	1.4383	1.8825	3.1636		1.1965	0.4068	0.7672	1.5115	2.8577	5.0228	4.0448	3.7776	0.3562	0.25703	0.41457
Nitrogen Oxide	TM16	12	24	16	67	44	0	0.0512	0.6661	1.2393	1.075	1.4355	1.8786	3.1574		1.1928	0.4059	0.7656	1.5086	2.8523	5.013	4.0369	3.7703	0.355	0	0
Nitrogen Oxide	R1	1	1	17	76	10	0	0.0996	1.1917	2.4951	2.293	2.8253	4.1077	8.6866		2.1761	0.9197	1.8225	3.8476	6.4605	14.1849	10.536	12.1014	0.4331	0	0
Nitrogen Oxide	R1	1	2	17	77	10	0	0.0992	1.1871	2.4901	2.2886	2.8193	4.0983	8.668		2.169	0.9175	1.8183	3.8394	6.4468	14.1547	10.5136	12.0783	0.4315	0	0
Nitrogen Oxide	R1	1	3	17	77	10	0	0.0992	1.1871	2.4901	2.2886	2.8193	4.0983	8.668		2.169	0.9175	1.8183	3.8394	6.4468	14.1547	10.5136	12.0783	0.4315	0	0
Nitrogen Oxide	R1	1	4	17	77	10	0	0.0992	1.1871	2.4901	2.2886	2.8193	4.0983	8.668		2.169	0.9175	1.8183	3.8394	6.4468	14.1547	10.5136	12.0783	0.4315	0	0
Nitrogen Oxide	R1	1	5	17	78	10	0	0.099	1.1826	2.4852	2.2842	2.8133	4.089	8.6496		2.1619	0.9155	1.814	3.8312	6.433	14.1245	10.4912	12.0525	0.4299	0	0
Nitrogen Oxide	R1	1	6	17	77	10	0	0.0992	1.1871	2.4901	2.2886	2.8193	4.0983	8.668		2.169	0.9175	1.8183	3.8394	6.4468	14.1547	10.5136	12.0783	0.4315	0	0
Nitrogen Oxide	R1	1	7	16	77	10	0	0.1027	1.2286	2.5166	2.3106	2.8491	4.1486	8.7595		2.2159	0.9295	1.841	3.8799	6.5148	14.3041	10.6246	12.2058	0.4433	0	0
Nitrogen Oxide	R1	1	8	17	77	10	0	0.0992	1.1871	2.4901	2.2886	2.8193	4.0983	8.668		2.169	0.9175	1.8183	3.8394	6.4468	14.1547	10.5136	12.0783	0.4315	0	0
Nitrogen Oxide	R1	1	9	17	73	10	139	0.1008	1.2051	2.51	2.3063	2.8434	4.1357	8.7421		2.1973	0.9261	1.8353	3.8721	6.5018	14.2755	10.6033	12.1814	0.438	8.04617	12.97769
Nitrogen Oxide	R1	1	10	19	69	10	290	0.0958	1.1447	2.4779	2.2808	2.8089	4.0744	8.6361		2.134	0.9112	1.8075	3.8252	6.423	14.1026	10.4749	12.0338	0.4216	7.94398	12.81287
Nitrogen Oxide	R1	1	11	20	64	10	272	0.0949	1.1325	2.48	2.2841	2.8136	4.0777	8.6505		2.1281	0.9116	1.8091	3.8316	6.4337	14.126	10.4922	12.0537	0.4193	7.97803	12.86779
Nitrogen Oxide	R1	1	12	21	62	10	252	0.0937	1.1187	2.4668	2.2725	2.7977	4.0494	8.6018		2.0987	0.905	1.7962	3.81	6.3975	14.0465	10.4332	11.986	0.4117	7.91533	12.76666
Nitrogen Oxide	R1	1	13	21	61	10	244	0.0941	1.1235	2.4732	2.2783	2.8056	4.0615	8.6259		2.1077	0.9077	1.8017	3.8207	6.4154	14.0858	10.4624	12.0195	0.4138	7.95246	12.82655
Nitrogen Oxide	R1	1	14	21	62	10	218	0.0937	1.1187	2.4668	2.2725	2.7977	4.0494	8.6018		2.0987	0.905	1.7962	3.81	6.3975	14.0465	10.4332	11.986	0.4117	7.93356	12.79606
Nitrogen Oxide	R1	1	15	21	62	10	264	0.0937	1.1187	2.4668	2.2725	2.7977	4.0494	8.6018		2.0987	0.905	1.7962	3.81	6.3975	14.0465	10.4332	11.986	0.4117	7.91204	12.76136
Nitrogen Oxide	R1	1	16	21	63	10	258	0.0934	1.1139	2.4605	2.2667	2.79	4.0374	8.5778		2.0896	0.9023	1.7908	3.7993	6.3797	14.0073	10.4041	11.9525	0.4096	7.90906	12.75655
Nitrogen Oxide	R1	1	17	20	67	10	282	0.0936	1.1168	2.462	2.268	2.7916	4.0437	8.5829		2.1027	0.9039	1.7937	3.8016	6.3853	14.0156	10.4103	11.9596	0.4135	7.90685	12.75298
Nitrogen Oxide	R1	1	18	19	73	10	248	0.0946	1.1288	2.481	2.2657	2.7983	4.0424	8.5729		2.1099	0.9041	1.7929	3.8059	6.3759	14.0393	10.3983	11.9483	0.4161	7.87671	12.7076
Nitrogen Oxide	R1	1	19	18	74	10	89	0.0971	1.1601	2.4781	2.2795	2.807	4.0752	8.63		2.143	0.9119	1.8078	3.8225	6.4185	14.0926	10.4674	12.0253	0.4247	7.96469	12.84628
Nitrogen Oxide	R1	1	20	18	74	10	0	0.0971	1.1601	2.4781	2.2795	2.807	4.0752	8.63		2.143	0.9119	1.8078	3.8225	6.4185	14.0926	10.4674	12.0253	0.4247	0	0
Nitrogen Oxide	R1	1	21	18	75	10	0	0.0967	1.1553	2.4728	2.2747	2.8005	4.0652	8.6103		2.1355	0.9096	1.8033	3.8137	6.4038	14.0604	10.4435	11.9977	0.4228	0	0
Nitrogen Oxide	R1	1	22	18	76	10	0	0.0963	1.1506	2.4676	2.27	2.794	4.0552	8.5905		2.1279	0.9073	1.7987	3.8051	6.3891	14.0281	10.4195	11.9702	0.4211	0	0
Nitrogen Oxide	R1	1	23	18	75	10	0	0.0967	1.1553	2.4728	2.2747	2.8005	4.0652	8.6103		2.1355	0.9096	1.8033	3.8137	6.4038	14.0604	10.4435	11.9977	0.4228	0	0
Nitrogen Oxide	R1	1	24	17	76	10	0	0.0996	1.1917	2.4951	2.293	2.8253	4.1077	8.6866		2.1761	0.9197	1.8225	3.8476	6.4605	14.1849	10.536	12.1014	0.4331	0	0
Nitrogen Oxide	R2	2	1	17	78	10	0	0.099	1.1826	2.4852	2.2842	2.8133	4.089	8.6496		2.1619	0.9155	1.814	3.8312	6.433	14.1245	10.4912	12.0525	0.4299	0	0
Nitrogen Oxide	R2	2	2	17	80	10	0	0.0982	1.1737	2.4753	2.2754	2.8013	4.0702	8.6126		2.1477	0.9112	1.8055	3.8148	6.4055	14.0641	10.4463	12.001	0.4266	0	0
Nitrogen Oxide	R2	2	3	17	81	10	0	0.0978	1.1692	2.4704	2.2709	2.7953	4.0608	8.5941		2.1406	0.9091	1.8012	3.8066	6.3918	14.0339	10.4239	11.9752	0.425	0	0
Nitrogen Oxide	R2	2	4	17	82	10	0	0.0974	1.1647	2.4654	2.2666	2.7892	4.0515	8.5756		2.1335	0.9071	1.797	3.7984	6.378	14.0037	10.4014	11.9494	0.4233	0	0
Nitrogen Oxide	R2	2	5	17	83	10	0	0.1006	1.203	2.4889	2.2857	2.8153	4.0961	8.6557		2.1758	0.9177	1.8171	3.8339	6.4376	14.1346	10.4987	12.0611	0.4341	0	0
Nitrogen Oxide	R2	2	6	16	83	10	0	0.1006	1.203	2.4889	2.2857	2.8153	4.0961	8.6557		2.1758	0.9177	1.8171	3.8339	6.4376	14.1346	10.4987	12.0611	0.4341	0	0
Nitrogen Oxide	R2	2	7	16	83	10	0	0.1006	1.203	2.4889	2.2857	2.8153	4.0961	8.6557		2.1758	0.9177	1.8171	3.8339	6.4376	14.1346	10.4987	12.0611	0.4341	0	0
Nitrogen Oxide	R2	2	8	17	81	10	0	0.0978	1.1692	2.4704	2.2709	2.7953	4.0608	8.5941		2.1406	0.9091	1.8012	3.8066	6.3918	14.0339	10.4239	11.9752	0.425	0	0
Nitrogen Oxide	R2	2	9	18	77	10	139	0.0959	1.1459	2.4622	2.2653	2.7876	4.0431	8.5707		2.1204	0.905	1.7942	3.7963	6.3744	13.9958	10.3956	11.9427	0.4194	7.88698	12.72093
Nitrogen Oxide	R2	2	10	19	73	10	290	0.0942	1.1248	2.4554	2.2607	2.7814	4.0318	8.5518		2.1019	0.9016	1.7881	3.7879	6.3602	13.9648	10.3725	11.9163	0.4143	7.86601	12.68711
Nitrogen Oxide	R2	2	11	20	67	10	272	0.0924	1.1111	2.4441	2.2539	2.7676	4.0096	8.5153		2.0723	0.8963	1.7781	3.7711	6.3311	13.9023	10.3253	11.8652	0.4077	7.85827	12.66564
Nitrogen Oxide	R2	2	12	20	68	10	252	0.0932	1.1116	2.4559	2.2626	2.7842	4.0323	8.5603		2.0942	0.9014	1.7884	3.7917	6.3667	13.9788	10.383	11.9282	0.4116	7.87751	12.70566
Nitrogen Oxide	R2	2	13	21	61	10	244	0.0925	1.1042	2.4479	2.2553	2.7743	4.0132	8.5298		2.0717	0.8968	1.7798	3.7781	6.3439	13.9288	10.3458	11.8855	0.4056	7.86342	12.68293
Nitrogen Oxide	R2	2	14	21	65	10	218	0.0925	1.1042	2.4479	2.2553	2.7743	4.0132	8.5298		2.0717	0.8968	1.7798	3.7781	6.3439	13.9288	10.3458	11.8855	0.4056	7.86681	12.68841
Nitrogen Oxide	R2	2	15	21	66	10	264	0.0921	1.0994	2.4416	2.2496	2.7665	4.0011	8.5057		2.0627	0.8941	1.7743	3.7674	6.326	13.8895	10.3167	11.8523	0.4036	7.82318	12.61804
Nitrogen Oxide	R2	2	16	20	68	10	258	0.0912	1.1116	2.4559	2.2626	2.7842	4.0323	8.5603		2.0942	0.9014	1.7884	3.7917	6.3667	13.9788	10.383	11.9282	0.4116	7.89339	12.73127
Nitrogen Oxide	R2	2	17	20	70	10	282	0.0924	1.1023	2.4441	2.2519	2.7696	4.0096	8.5153		2.0772	0.8963	1.7781	3.7717	6.3331	13.9052	10.3283	11.8654	0.4077	7.84424	12.652
Nitrogen Oxide	R2	2	18	19	74	10	248	0.0938	1.1199	2.4497	2.2557	2.7746	4.0211	8.5307		2.0939	0.8992	1.7833	3.7785	6.3445	13.9304	10.347	11.8868	0.4125	7.83971	12.6447
Nitrogen Oxide	R2	2	19	18	76	10	89	0.0963	1.1506	2.4676	2.27	2.794	4.0552	8.5905		2.1279	0.9073	1.7987	3.8051	6.3891	14.0281	10.4195	11.9702	0.4211	7.92804	12.78716
Nitrogen Oxide	R2	2	20	18	78	10	0	0.0955	1.1412	2.457	2.2606	2.7812	4.0351	8.551		2.1129	0.9028	1.7897	3.7875	6.3597	13.9636	10.3717	11.9152	0.4177	0	0
Nitrogen Oxide	R2	2	21	18	78	10	0	0.0955	1.1412	2.457	2.2606	2.7812	4.0351	8.551		2.1129	0.9028	1.7897	3.7875	6.3597	13.9636	10.3717	11.9152	0.4177	0	0
Nitrogen Oxide	R2	2	22	18	78	10	0	0.0955	1.1412	2.457	2.2606	2.7812	4.0351	8.551		2.1129	0.9028	1.7897	3.7875	6.3597	13.9636	10.3717	11.9152	0.4177	0	0
Nitrogen Oxide	R2	2	23	18	78	10	0	0.0955	1.1412	2.457	2.2606	2.7812	4.0351	8.551		2.1129	0.9028	1.7897	3.7875	6.3597	13.9636	10.3717	11.9152	0.4177	0	0
Nitrogen Oxide	R2	2	24	18	78	10	0	0.0955	1.1412	2.457	2.2606	2.7812	4.0351	8.551		2.1129	0.9028	1.7897	3.7875	6.3597	13.9636	10.3717	11.9152	0.4177	0	0
Nitrogen Oxide	R3	3	1	21	86	10	0	0.084	1.0007	2.3152	2.1349	2.6101	3.7593	8.025		1.8828	0.8398	1.6645	3.5546	5.9685	13.1047	9.7337	11.1823	0.3625	0	0
Nitrogen Oxide	R3	3	2	20	87	10	0	0.086	1.0251	2.3437	2.1606	2.6451	3.8167	8.1324		1.933	0.8529	1.6905	3.6021	6.0484	13.28	9.8639	11.3319	0.3748	0	0
Nitrogen Oxide	R3	3	3	20	87	10	0	0.086	1.0251	2.3437	2.1606	2.6451	3.8167	8.1324		1.933	0.8529	1.6905	3.6021	6.0484	13.28	9.8639	11.3319	0.3748	0	0
Nitrogen Oxide	R3	3	4	20	87	10	0	0.086	1.0251	2.3437	2.1606	2.6451	3.8167	8.1324		1.933	0.8529	1.6905	3.6021	6.0484	13.28	9.8639	11.3319	0.3748	0	0
Nitrogen Oxide	R3	3	5	20	87	10	0	0.086	1.0251	2.3437	2.1606	2.6451	3.8167	8.1324		1.933	0.8529	1.6905	3.6021	6.0484	13.28	9.8639	11.3319	0.3748	0	0
Nitrogen Oxide	R3	3	6	20	87	10	0	0.086	1.0251	2.3437	2.1606	2.6451	3.8167	8.1324		1.933	0.8529	1.6905	3.6021	6.0484	13.28	9.8639	11.3319	0.3748	0	0
Nitrogen Oxide	R3	3	7	20	87	10	0	0.086	1.0251	2.3437	2.1606	2.6451	3.8167	8.1324		1.933	0.8529	1.6905	3.6021	6.0484	13.28	9.8639	11.3319	0.3748	0	0
Nitrogen Oxide	R3	3	8	20	86	10	0	0.0863	1.0297	2.3496	2.166	2.6524	3.8281	8.1549		1.9415	0.8554	1.6957	3.6121	6.0652	13.3168	9.8912	11.3634	0.3768	0	0
Nitrogen Oxide	R3	3	9	21	82	10	139	0.0852	1.0157	2.3142	2.1521	2.6336	3.7956	8.0971		1.9097	0.8479	1.681	3.5865	6.0221	13.2224	9.8211	11.2808	0.3687	7.44723	12.01167
Nitrogen Oxide	R3	3	10	22	79	10	290	0.0845	1.0082	2.3262	2.1448	2.6238	3.777	8.0669		1.8887	0.8436	1.6726	3.5731	5.9997	13.1731	9.7845	11.2407	0.3631	7.41602	11.96132
Nitrogen Oxide	R3	3	11	22	78	10	272	0.085	1.0136	2.3329	2.151	2.6321	3.7899	8.0926		1.8982	0.8465	1.6785	3.5845	6.0187	13.2149	9.8156	11.2764	0.3653	7.45985	12.03202
Nitrogen Oxide	R3	3	12	23	77	10	252	0.0832	0.9914	2.3053	2.1259	2.5981	3.7342	7.988		1.8498	0.834	1.6532	3.5381	5.9409	13.0441	9.6886	11.1306	0.3535	7.34655	11.84928
Nitrogen Oxide	R3	3	13	23	77	10	244	0.0832	0.9914	2.3053	2.1259	2.5981	3.7342	7.988		1.8498	0.834	1.6532	3.5381	5.9409	13.0441	9.6886	11.1306	0.3535	7.34039	11.8716
Nitrogen Oxide	R3	3	14	23	77	10	218	0.0832	0.9914	2.3053	2.1259	2.5981	3.7342	7.988		1.8498	0.834	1.6532	3.5381	5.9409	13.0441	9.6886	11.1306	0.3535	7.36359	11.87676
Nitrogen Oxide	R3	3	15	23	76	10	264	0.0837	0.9973	2.3125	2.1325	2.607	3.7472	8.0132		1.8598	0.8372	1.6593	3.5503	5.962	13.0887	9.7238	11.1686	0.3558	7.36862	11.88488
Nitrogen Oxide	R3	3	16	23	77	10	258	0.0832	0.9914	2.3053	2.1259	2.5981	3.7342	7.988		1.8498	0.834	1.6532	3.5381	5.9409	13.0441	9.6886	11.1306	0.3535	7.36147	11.87334
Nitrogen Oxide	R3	3	17	22	79	10	282	0.0845	1.0082	2.3262	2.1448	2.6238	3.777	8.0669		1.8887	0.8436	1.6726	3.5731	5.9997	13.1731	9.7845	11.2407	0.3631	7.42798	11.98061
Nitrogen Oxide	R3	3	18	22	82	10	248	0.0832	0.992	2.3059	2.1265	2.5987	3.7384	7.99		1.8601	0.8349	1.6551	3.5391	5.9424	13.0475	9.6913	11.1335	0.3566	7.33855	11.83636
Nitrogen Oxide	R3	3	19	21	84	10	89	0.0847	1.0107	2.3279	2.1464	2.6258	3.7835	8.0732		1.9008	0.8452	1.6755	3.5758	6.0043	13.1832	9.792	11.2493	0.3666	7.44661	12.01067
Nitrogen Oxide	R3	3	20	21	86	10	0	0.0843	1.0057	2.3215	2.1406	2.618	3.7714	8.0491		1.8918	0.8425	1.67	3.5652	5.9864	13.1444	9.7629	11.2158	0.3646	0	0
Nitrogen Oxide	R3	3	21	21	86	10	0	0.084	1.0007	2.3152	2.1349	2.6101	3.7593	8.025		1.8828	0.8398	1.6645	3.5546	5.9685	13.1047	9.7337	11.1823	0.3625	0	0
Nitrogen Oxide	R3	3	22	21	86	10	0	0.084	1.0007	2.3152	2.1349	2.6101	3.7593	8.025		1.8828	0.8398	1.6645	3.5546	5.9685	13.1047	9.7337	11.1823	0.3625	0	0
Nitrogen Oxide	R3	3	23	21	85	10	0	0.0843	1.0057	2.3215	2.1406	2.618	3.7714	8.0491		1.8918	0.8425	1.67	3.5652	5.9864	13.144	9.7629	11.2158	0.3646	0	0
Nitrogen Oxide	R3	3	24	21	86	10	0	0.084	1.0007	2.3152	2.1349	2.6101	3.7593	8.025		1.8828	0.8398	1.6645	3.5546	5.9685	13.1047	9.7337	11.1823	0.3625	0	0
Nitrogen Oxide	R4	4	1	20	83	10	0	0.0875	1.0436	2.3674	2.1821	2.6744	3.8621	8.2226		1.9669	0.8631	1.7112	3.642	6.1154	13.4271	9.9732	11.4575	0.3826	0	0
Nitrogen Oxide	R4	4	2	20	84	10	0	0.0867	1.0343	2.3555	2.1714	2.6597	3.8394	8.1775		1.9499	0.858	1.7009	3.6221	6.0818	13.3536	9.9186	11.3947	0.3787	0	0
Nitrogen Oxide	R4	4	3	20	84	10	0	0.0871	1.0389	2.3614	2.1768	2.667	3.8507	8.2		1.9585	0.8605	1.7061	3.632	6.0986	13.3904	9.9459	11.4261	0.3807	0	0
Nitrogen Oxide	R4	4	4	20	85	10	0	0.0867	1.0343	2.3555	2.1714	2.6597	3.8394	8.1775		1.9499	0.858	1.7009	3.6221	6.0818	13.3536	9.9186	11.3947	0.3787	0	0
Nitrogen Oxide	R4	4	5	19	84	10	0	0.0897	1.0703	2.3936	2.2053	2.706	3.9146	8.3197		2.014	0.8753	1.735	3.6851	6.1877	13.5858	10.091	11.5929	0.3942	0	0
Nitrogen Oxide	R4	4	6	19	84	10	0	0.0897	1.0703	2.3936	2.2053	2.706	3.9146	8.3197		2.014	0.8753	1.735	3.6851	6.1877	13.5858	10.091	11.5929	0.3942	0	0
Nitrogen Oxide	R4	4	7	20	84	10	0	0.0871	1.0389	2.3614	2.1768	2.667	3.8507	8.2		1.9585	0.8605	1.7061	3.632	6.0986	13.3904	9.9459	11.4261	0.3807	0	0
Nitrogen Oxide	R4	4	8	21	84	10	0	0.0868	1.0356	2.3595	2.1751	2.6649	3.8439	8.1932		1.9457	0.8588	1.703	3.6291	6.0936	13.3794	9.9377	11.4167	0.3769	0	0
Nitrogen Oxide	R4	4	9	22	73	10	139	0.0873	1.0405	2.3667	2.1815	2.6738	3.8542	8.2207		1.9459	0.861	1.7077	3.6412	6.114	13.4242	9.9711	11.453	0.3761	7.56101	12.19518
Nitrogen Oxide	R4	4	10	23	69	10	290	0.087	1.038	2.363	2.1781	2.6692	3.8438	8.2065		1.9306	0.8586	1.7029	3.635	6.1035	13.4011	9.9538	11.4352	0.3718	7.54457	12.16867
Nitrogen Oxide	R4	4	11	23	68	10	272	0.0875	1.0438	2.3702	2.1847	2.6781	3.8575	8.2339		1.9406	0.8617	1.7091	3.6471	6.1238	13.4456	9.9869	11.4732	0.3741	7.59031	12.24244
Nitrogen Oxide	R4	4	12	24	66	10	252	0.0865	1.0324	2.3537	2.1695	2.6575	3.8228	8.1705		1.9085	0.8539	1.6934	3.619	6.0767	13.3422	9.9102	11.385	0.366	7.51489	12.1208
Nitrogen Oxide	R4	4	13	24	65	10	244	0.0871	1.0387	2.3614	2.1744	2.6627	3.8373	8.1997		1.9192	0.8571	1.67	3.6433	6.0983	13.3898	9.9451	11

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:

(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.

(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Oxide	R1	6	21	28	85	10	0	0.0659	0.784	2.0272	1.8718	2.2516	3.1978	6.9227		1.4514	0.7127	1.4099	3.0663	5.1487	11.3046	8.3966	9.6463	0.2626	0	0
Nitrogen Oxide	R1	6	22	28	86	10	0	0.0653	0.7757	2.0173	1.8629	2.2395	3.1791	6.8854		1.4377	0.7085	1.4014	3.0498	5.1209	11.2437	8.3515	9.5943	0.2595	0	0
Nitrogen Oxide	R1	6	23	28	87	10	0	0.0646	0.7674	2.0075	1.854	2.2273	3.1605	6.8481		1.424	0.7043	1.393	3.0333	5.0933	11.1829	8.3062	9.5424	0.2564	0	0
Nitrogen Oxide	R1	6	24	28	87	10	0	0.0646	0.7674	2.0075	1.854	2.2273	3.1605	6.8481		1.424	0.7043	1.393	3.0333	5.0933	11.1829	8.3062	9.5424	0.2564	0	0
Nitrogen Oxide	R1	7	1	28	84	10	0	0.0667	0.7922	2.0371	1.8806	2.2638	3.2165	6.96		1.4652	0.7168	1.4184	3.0828	5.1764	11.3654	8.4419	9.6982	0.2657	0	0
Nitrogen Oxide	R1	7	2	28	84	10	0	0.0667	0.7922	2.0371	1.8806	2.2638	3.2165	6.96		1.4652	0.7168	1.4184	3.0828	5.1764	11.3654	8.4419	9.6982	0.2657	0	0
Nitrogen Oxide	R1	7	3	28	86	10	0	0.0653	0.7757	2.0173	1.8629	2.2395	3.1791	6.8854		1.4377	0.7085	1.4014	3.0498	5.1209	11.2437	8.3515	9.5943	0.2595	0	0
Nitrogen Oxide	R1	7	4	28	86	10	0	0.0653	0.7757	2.0173	1.8629	2.2395	3.1791	6.8854		1.4377	0.7085	1.4014	3.0498	5.1209	11.2437	8.3515	9.5943	0.2595	0	0
Nitrogen Oxide	R1	7	5	28	88	10	0	0.0639	0.7591	1.9976	1.8451	2.2153	3.1417	6.8109		1.4102	0.7001	1.3845	3.0168	5.0655	11.1219	8.261	9.4905	0.2533	0	0
Nitrogen Oxide	R1	7	6	28	88	10	0	0.0667	0.7921	2.0477	1.8913	2.2783	3.2389	7.0047		1.4813	0.7218	1.4285	3.1026	5.2097	11.4386	8.4961	9.7607	0.2693	0	0
Nitrogen Oxide	R1	7	7	28	86	10	0	0.0653	0.7757	2.0173	1.8629	2.2395	3.1791	6.8854		1.4377	0.7085	1.4014	3.0498	5.1209	11.2437	8.3515	9.5943	0.2595	0	0
Nitrogen Oxide	R1	7	8	29	81	10	0	0.0659	0.7841	2.018	1.8626	2.2391	3.1785	6.8843		1.4377	0.7084	1.4012	3.0493	5.1201	11.2418	8.35	9.5927	0.2595	0	0
Nitrogen Oxide	R1	7	9	30	76	10	139	0.0673	0.7998	2.0229	1.8657	2.2434	3.1852	6.8975		1.4431	0.7103	1.4043	3.0551	5.1298	11.2633	8.366	9.6111	0.2607	6.33665	10.2204
Nitrogen Oxide	R1	7	10	31	70	10	290	0.0697	0.83	2.0438	1.8833	2.2673	3.222	6.9711		1.4708	0.719	1.4211	3.0877	5.1846	11.3835	8.4553	9.7137	0.2669	6.40227	10.32624
Nitrogen Oxide	R1	7	11	31	68	10	272	0.0714	0.851	2.0675	1.9047	2.2964	3.2666	7.0602		1.5036	0.729	1.4414	3.1273	5.2509	11.5291	8.5634	9.8379	0.2744	6.50232	10.48761
Nitrogen Oxide	R1	7	12	32	67	10	252	0.07	0.8337	2.033	1.8725	2.2526	3.1992	6.9257		1.4544	0.7144	1.4109	3.0676	5.1509	11.3095	8.4003	9.6505	0.2632	6.36377	10.26414
Nitrogen Oxide	R1	7	13	32	66	10	244	0.071	0.8451	2.0457	1.8838	2.2679	3.2229	6.9729		1.4719	0.7197	1.4217	3.0885	5.1861	11.3866	8.4575	9.7163	0.2672	6.41962	10.35423
Nitrogen Oxide	R1	7	14	32	66	10	218	0.071	0.8451	2.0457	1.8838	2.2679	3.2229	6.9729		1.4719	0.7197	1.4217	3.0885	5.1861	11.3866	8.4575	9.7163	0.2672	6.42244	10.35878
Nitrogen Oxide	R1	7	15	31	68	10	264	0.0714	0.851	2.0675	1.9047	2.2964	3.2666	7.0602		1.5036	0.729	1.4414	3.1273	5.2509	11.5291	8.5634	9.8379	0.2744	6.48541	10.46034
Nitrogen Oxide	R1	7	16	31	69	10	258	0.0706	0.8405	2.0557	1.894	2.2818	3.2443	7.0156		1.4872	0.724	1.4313	3.1074	5.2178	11.4564	8.5094	9.7758	0.2707	6.44014	10.41958
Nitrogen Oxide	R1	7	17	31	69	10	282	0.0697	0.83	2.0438	1.8833	2.2673	3.222	6.9711		1.4708	0.719	1.4211	3.0877	5.1846	11.3835	8.4553	9.7137	0.2669	6.41272	10.3431
Nitrogen Oxide	R1	7	18	30	73	10	248	0.0696	0.8288	2.0564	1.8958	2.2844	3.2483	7.0235		1.4896	0.7245	1.433	3.111	5.2237	11.4692	8.5189	9.7868	0.2712	6.44504	10.39523
Nitrogen Oxide	R1	7	19	29	76	10	89	0.0697	0.8293	2.0706	1.9099	2.3035	3.2777	7.0823		1.5108	0.7307	1.4463	3.137	5.2673	11.5651	8.5902	9.8686	0.2761	6.52657	10.52673
Nitrogen Oxide	R1	7	20	29	79	10	0	0.0674	0.8019	2.039	1.8815	2.2648	3.2182	6.9635		1.4669	0.7174	1.4192	3.0844	5.179	11.3711	8.4461	9.703	0.2661	0	0
Nitrogen Oxide	R1	7	21	29	81	10	0	0.0659	0.7841	2.018	1.8626	2.2391	3.1785	6.8843		1.4377	0.7084	1.4012	3.0493	5.1201	11.2418	8.35	9.5927	0.2595	0	0
Nitrogen Oxide	R1	7	22	29	82	10	0	0.0653	0.7753	2.0075	1.8552	2.2262	3.1587	6.8446		1.4232	0.704	1.3922	3.0317	5.0906	11.1771	8.302	9.5375	0.2562	0	0
Nitrogen Oxide	R1	7	23	28	83	10	0	0.0674	0.8004	2.047	1.8896	2.2759	3.2351	6.9973		1.4789	0.7211	1.4269	3.0993	5.2041	11.4244	8.4871	9.7559	0.2689	0	0
Nitrogen Oxide	R1	7	24	28	84	10	0	0.0667	0.7922	2.0371	1.8806	2.2638	3.2165	6.96		1.4652	0.7168	1.4184	3.0828	5.1764	11.3654	8.4419	9.6982	0.2657	0	0
Nitrogen Oxide	R2	8	1	27	90	10	0	0.0654	0.7764	2.0291	1.8746	2.2555	3.2037	6.9346		1.4553	0.714	1.4126	3.0716	5.1575	11.3241	8.4111	9.6629	0.2635	0	0
Nitrogen Oxide	R2	8	2	26	90	10	0	0.0683	0.8115	2.0781	1.9196	2.3168	3.2982	7.1232		1.5243	0.7353	1.4554	3.1551	5.2977	11.6319	8.6398	9.9256	0.2791	0	0
Nitrogen Oxide	R2	8	3	26	91	10	0	0.0676	0.8045	2.0695	1.9117	2.306	3.2816	7.0901		1.5122	0.7317	1.4478	3.1405	5.2732	11.578	8.5997	9.8795	0.2764	0	0
Nitrogen Oxide	R2	8	4	26	91	10	0	0.0671	0.7973	2.0607	1.9038	2.2953	3.2651	7.0571		1.5	0.7279	1.4403	3.1259	5.2486	11.5241	8.5597	9.8336	0.2736	0	0
Nitrogen Oxide	R2	8	5	26	93	10	0	0.0665	0.7902	2.0519	1.896	2.2846	3.2486	7.0242		1.4879	0.7242	1.4329	3.1112	5.2241	11.4702	8.5197	9.7877	0.2708	0	0
Nitrogen Oxide	R2	8	6	26	94	10	0	0.0659	0.7829	2.0433	1.8881	2.2739	3.2321	6.9912		1.4757	0.7205	1.4254	3.0966	5.1996	11.4164	8.4797	9.7417	0.2681	0	0
Nitrogen Oxide	R2	8	7	26	93	10	0	0.0665	0.7902	2.0519	1.896	2.2846	3.2486	7.0242		1.4879	0.7242	1.4329	3.1112	5.2241	11.4702	8.5197	9.7877	0.2708	0	0
Nitrogen Oxide	R2	8	8	27	87	10	0	0.0673	0.7999	2.057	1.8997	2.2898	3.2565	7.0398		1.4941	0.7259	1.4364	3.1182	5.2358	11.4959	8.5387	9.8095	0.2723	0	0
Nitrogen Oxide	R2	8	9	29	81	10	139	0.0659	0.7841	2.018	1.8626	2.2391	3.1785	6.8843		1.4377	0.7084	1.4012	3.0493	5.1201	11.2418	8.35	9.5927	0.2595	6.32443	10.2007
Nitrogen Oxide	R2	8	10	30	76	10	290	0.0673	0.7998	2.0229	1.8657	2.2434	3.1852	6.8975		1.4431	0.7103	1.4043	3.0551	5.1298	11.2633	8.366	9.6111	0.2607	6.33425	10.21654
Nitrogen Oxide	R2	8	11	30	73	10	272	0.0696	0.8288	2.0564	1.8958	2.2844	3.2483	7.0235		1.4896	0.7245	1.433	3.111	5.2237	11.4692	8.5189	9.7868	0.2712	6.44832	10.43278
Nitrogen Oxide	R2	8	12	30	73	10	252	0.0696	0.8288	2.0564	1.8958	2.2844	3.2483	7.0235		1.4896	0.7245	1.433	3.111	5.2237	11.4692	8.5189	9.7868	0.2712	6.45422	10.41004
Nitrogen Oxide	R2	8	13	30	74	10	244	0.0689	0.8192	2.0452	1.8859	2.2707	3.2273	6.9815		1.4741	0.7197	1.4235	3.0923	5.1924	11.4006	8.468	9.7282	0.2677	6.4276	10.3671
Nitrogen Oxide	R2	8	14	30	74	10	218	0.0689	0.8192	2.0452	1.8859	2.2707	3.2273	6.9815		1.4741	0.7197	1.4235	3.0923	5.1924	11.4006	8.468	9.7282	0.2677	6.43042	10.37165
Nitrogen Oxide	R2	8	15	30	75	10	264	0.068	0.8095	2.0341	1.8758	2.2571	3.2062	6.9394		1.4586	0.7149	1.4138	3.0738	5.1612	11.332	8.417	9.6697	0.2642	6.37376	10.28026
Nitrogen Oxide	R2	8	16	29	77	10	258	0.069	0.8203	2.0601	1.9004	2.2907	3.2578	7.0427		1.4961	0.7265	1.4372	3.1184	5.2378	11.5005	8.5422	9.8134	0.2727	6.48523	10.46006
Nitrogen Oxide	R2	8	17	29	79	10	282	0.0674	0.8019	2.039	1.8815	2.2648	3.2182	6.9635		1.4669	0.7174	1.4192	3.0844	5.179	11.3711	8.4461	9.703	0.2661	6.40569	10.33176
Nitrogen Oxide	R2	8	18	28	80	10	248	0.0693	0.8247	2.0766	1.9163	2.3122	3.2912	7.1092		1.5201	0.7336	1.4524	3.1489	5.2873	11.609	8.6228	9.9061	0.2782	6.52418	10.52288
Nitrogen Oxide	R2	8	19	28	82	10	89	0.068	0.8085	2.0568	1.8985	2.288	3.2538	7.0346		1.4926	0.7253	1.4353	3.1158	5.2319	11.4873	8.5324	9.8023	0.2719	6.48235	10.4554
Nitrogen Oxide	R2	8	20	28	84	10	0	0.0667	0.7922	2.0371	1.8806	2.2638	3.2165	6.96		1.4652	0.7168	1.4184	3.0828	5.1764	11.3654	8.4419	9.6982	0.2657	0	0
Nitrogen Oxide	R2	8	21	27	85	10	0	0.0686	0.8154	2.0756	1.9165	2.3125	3.2916	7.1101		1.5199	0.7338	1.4525	3.1492	5.2979	11.6104	8.6239	9.9073	0.2782	0	0
Nitrogen Oxide	R2	8	22	27	87	10	0	0.0673	0.7999	2.057	1.8997	2.2898	3.2565	7.0398		1.4941	0.7259	1.4364	3.1182	5.2358	11.4959	8.5387	9.8095	0.2723	0	0
Nitrogen Oxide	R2	8	23	27	88	10	0	0.0667	0.7921	2.0477	1.8913	2.2783	3.2389	7.0047		1.4813	0.7218	1.4285	3.1026	5.2097	11.4386	8.4961	9.7607	0.2693	0	0
Nitrogen Oxide	R2	8	24	27	89	10	0	0.066	0.7843	2.0384	1.883	2.2669	3.2214	6.9697		1.4683	0.7179	1.4205	3.0871	5.1836	11.3813	8.4536	9.7118	0.2664	0	0
Nitrogen Oxide	R2	9	1	27	89	10	0	0.066	0.7843	2.0384	1.883	2.2669	3.2214	6.9697		1.4683	0.7179	1.4205	3.0871	5.1836	11.3813	8.4536	9.7118	0.2664	0	0
Nitrogen Oxide	R2	9	2	26	89	10	0	0.0689	0.8189	2.0869	1.9274	2.3276	3.3147	7.1561		1.5364	0.739	1.4628	3.1697	5.3223	11.6857	8.6797	9.9715	0.2819	0	0
Nitrogen Oxide	R2	9	3	26	91	10	0	0.0676	0.8045	2.0695	1.9117	2.306	3.2816	7.0901		1.5122	0.7317	1.4478	3.1405	5.2732	11.578	8.5997	9.8795	0.2764	0	0
Nitrogen Oxide	R2	9	4	26	92	10	0	0.0671	0.7973	2.0607	1.9038	2.2953	3.2651	7.0571		1.5	0.7279	1.4403	3.1259	5.2486	11.5241	8.5597	9.8336	0.2736	0	0
Nitrogen Oxide	R2	9	5	26	92	10	0	0.0671	0.7973	2.0607	1.9038	2.2953	3.2651	7.0571		1.5	0.7279	1.4403	3.1259	5.2486	11.5241	8.5597	9.8336	0.2736	0	0
Nitrogen Oxide	R2	9	6	26	93	10	0	0.0665	0.7902	2.0519	1.896	2.2846	3.2486	7.0242		1.4879	0.7242	1.4329	3.1112	5.2241	11.4702	8.5197	9.7877	0.2708	0	0
Nitrogen Oxide	R2	9	7	26	93	10	0	0.0665	0.7902	2.0519	1.896	2.2846	3.2486	7.0242		1.4879	0.7242	1.4329	3.1112	5.2241	11.4702	8.5197	9.7877	0.2708	0	0
Nitrogen Oxide	R2	9	8	27	88	10	0	0.0667	0.7921	2.0477	1.8913	2.2783	3.2389	7.0047		1.4813	0.7218	1.4285	3.1026	5.2097	11.4386	8.4961	9.7607	0.2693	0	0
Nitrogen Oxide	R2	9	9	28	83	10	139	0.0674	0.8004	2.047	1.8896	2.2759	3.2351	6.9973		1.4789	0.7211	1.4269	3.0993	5.2041	11.4244	8.4871	9.7559	0.2689	6.42891	10.36921
Nitrogen Oxide	R2	9	10	29	78	10	290	0.0682	0.8111	2.0496	1.891	2.2777	3.2381	7.003		1.4816	0.7219	1.4282	3.1019	5.2084	11.4358	8.4941	9.7582	0.2694	6.43177	10.37383
Nitrogen Oxide	R2	9	11	29	76	10	272	0.0697	0.8293	2.0706	1.9099	2.3035	3.2777	7.0823		1.5108	0.7307	1.4463	3.137	5.2673	11.5651	8.5902	9.8686	0.2761	6.5228	10.52065
Nitrogen Oxide	R2	9	12	29	76	10	252	0.0697	0.8293	2.0706	1.9099	2.3035	3.2777	7.0823		1.5108	0.7307	1.4463	3.137	5.2673	11.5651	8.5902	9.8686	0.2761	6.50859	10.49773
Nitrogen Oxide	R2	9	13	30	75	10	244	0.068	0.8095	2.0341	1.8758	2.2571	3.2062	6.9394		1.4586	0.7149	1.4138	3.0738	5.1612	11.332	8.417	9.6697	0.2642	6.3886	10.30419
Nitrogen Oxide	R2	9	14	29	77	10	218	0.0705	0.8384	2.0812	1.9193	2.3144	3.2975	7.1219		1.5253	0.7352	1.4553	3.1545	5.2968	11.6298	8.6382	9.9293	0.2793	6.56052	10.58148
Nitrogen Oxide	R2	9	15	29	77	10	264	0.069	0.8203	2.0601	1.9004	2.2907	3.2578	7.0427		1.4961	0.7263	1.4372	3.1194	5.2378	11.5005	8.5422	9.8134	0.2727	6.46923	10.43424
Nitrogen Oxide	R2	9	16	29	76	10	258	0.0697	0.8293	2.0706	1.9099	2.3035	3.2777	7.0823		1.5108	0.7307	1.4463	3.137	5.2673	11.5651	8.5902	9.8686	0.2761	6.52193	10.51925
Nitrogen Oxide	R2	9	17	29	78	10	282	0.0682	0.8111	2.0496	1.891	2.2777	3.2381	7.003		1.4816	0.7219	1.4282	3.1019	5.2084	11.4358	8.4941	9.7582	0.2694	6.44227	10.39076
Nitrogen Oxide	R2	9	18	28	81	10	248	0.0687	0.8167	2.0667	1.9073	2.3002	3.2725	7.0718		1.5064	0.7294	1.4439	3.1324	5.2596	11.5481	8.5775	9.8543	0.275	6.48965	10.46718
Nitrogen Oxide	R2	9	19	27	87	10	89	0.0693	0.8231	2.0848	1.9248	2.3239	3.3092	7.1451		1.5329	0.7377	1.4604	3.1648	5.314	11.6678	8.6664	9.9561	0.281	6.5848	10.62065
Nitrogen Oxide	R2	9	20	27	86	10	0	0.0673	0.8076	2.0663	1.9081	2.3011	3.2742	7.0749		1.5071	0.7298	1.4445	3.1358	5.2619	11.5532	8.5813	9.8584	0.2772	0	0
Nitrogen Oxide	R2	9	21	27	87	10	0	0.0673	0.7999	2.057	1.8997	2.2898	3.2565	7.0398		1.4941	0.7259	1.4364	3.1182	5.2358	11.4959	8.5387	9.8095	0.2723	0	0
Nitrogen Oxide	R2	9	22	27	89	10	0	0.066	0.7843	2.0384	1.883	2.2669	3.2214	6.9697		1.4683	0.7179	1.4205	3.0871	5.1836	11.3813	8.4536	9.7118	0.2664	0	0
Nitrogen Oxide	R2	9	23	27	89	10	0	0.066	0.7843	2.0384	1.883	2.2669	3.2214	6.9697		1.4683	0.7179	1.4205	3.0871	5.1836	11.3813	8.4536	9.7118	0.2664	0	0
Nitrogen Oxide	R2	9	24	26	89	10	0	0.0689	0.8189	2.0869	1.9274	2.3276	3.3147	7.1561		1.5364	0.739	1.4628	3.1697	5.3223	11.6857	8.6797	9.9715	0.2819	0	0
Nitrogen Oxide	R2	10	1	24	74	10	0	0.0824	0.9821	2.2922	2.1139	2.5817	3.7061	7.9376		1.8228	0.8277	1.6404	3.5158	5.9033	12.9621	9.6257	11.0605	0.3467	0	0
Nitrogen Oxide	R2	10	2	23	74	10	0	0.0846	1.009	2.3269	2.1455	2.6247	3.7733	8.07		1.88	0.8432	1.6718	3.5745	6.0019	13.1779	9.7881	11.2448	0.3603	0	0
Nitrogen Oxide	R2	10	3	23	74	10	0	0.0846	1.009	2.3269	2.1455	2.6247	3.7733	8.07		1.88	0.8432	1.6718	3.5745	6.0019	13.1779	9.7881	11.2448	0.3603	0	0
Nitrogen Oxide	R2	10	4	23	75	10	0	0.0842	1.0031	2.3198	2.139	2.6159	3.7615	8.0426		1.8699	0.8401	1.6656	3.5623	5.9815	13.1333	9.7549	11.2067	0.3581	0	0
Nitrogen Oxide	R2	10	5	23	74	10	0	0.0846	1.009	2.3269	2.1455	2.6247	3.7733	8.07		1.88	0.8432	1.6718	3.5745	6.0019	13.1779	9.7881	11.2448	0.3603	0	0
Nitrogen Oxide	R2	10	6	23	75	10	0	0.0842	1.0031	2.3198	2.139	2.6159	3.7615	8.0426		1.8699	0.8401	1.6656	3.5623	5.9815	13.1333	9.7549	11.2067	0.3581	0	0
Nitrogen Oxide	R2	10	7	23	75	10	0	0.0842	1.0031	2.3198	2.139	2.6159	3.7615	8.0426		1.8699	0.8401	1.6656	3.5623	5.9815	13.1333	9.7549	11.2067	0.3581	0	0
Nitrogen Oxide	R2	10	8	23	72	10	0	0.0856	1.0206	2.3414	2.1585	2.6425	3.8027	8.1246		1.9003	0.8494	1.6842	3.5986	6.0426	13.2672	9.8543	11.3209	0.3649	0	0
Nitrogen Oxide	R2	10	9	24	69	10	139	0.085	1.0136	2.3306	2.1486	2.6291	3.779	8.0832		1.8764	0.844	1.6736	3.5803	6.0117	13.1996	9.8042	11.2633	0.3588	7.43293	11.98859
Nitrogen Oxide	R2	10	10	25	64	10	290	0.0859	1.0242	2.3381	2.1545	2.6372	3.7915	8.108		1.8862	0.8464	1.6793	3.5913	6.0302	13.2401	9.8344	11.298	0.361	7.45308	12.0211
Nitrogen Oxide	R2	10	11	26	61	10	272	0.086	1.0248	2.3317	2.1478	2.628	3.7773	8.0797		1.8764	0.8428	1.673	3.5788	6.0092	13.1939	9.8	11.2585	0.3588	7.44699	12.01128
Nitrogen Oxide	R2	10	12	27	60	10	252	0.0849	1.0124	2.3083	2.1257	2.5978	3.7309	7.987		1.8429	0.8322	1.6519	3.5377	5.9402	13.0426	9.6876	11.1293	0.3512	7.34521	11.84711
Nitrogen Oxide	R2	10	13	27	60	10	244	0.0855	1.0199	2.3176	2.134	2.6092	3.7484	8.0221		1.8559	0.8362	1.66	3.5533	5.9664	13.0998	9.7301	11.1782	0.3542	7.39155	11.92186
Nitrogen Oxide	R2	10	14	27	59	10	218	0.0855	1.0199	2.3176	2.134	2.6092	3.7484	8.0221		1.8559	0.8362	1.66	3.5533	5.9664	13.0998	9.7301	11.1782	0.3542	7.39477	11.92704
Nitrogen Oxide	R2	10	15	27	60	10	264	0.0849	1.0124	2.3083	2.1257	2.5978	3.7309	7.987		1.8429	0.8322	1.6519	3.5377	5.9402	13.0426	9.6876	11.1293	0.3512	7.34214	11.84216
Nitrogen Oxide	R2	10	16	27	62	10	258	0.0836	0.9967	2.2897	2.1089	2.575	3.6957	7.9169		1.8171	0.8244	1.636	3.5066	5.888	12.928	9.6025	11.0315	0.3453	7.29517	11.76641
Nitrogen Oxide	R2	10	17	26	65	10	282	0.0835	0.9955	2.2967	2.1163	2.585	3.7112	7.9478		1.8279	0.828	1.6429	3.5203	5.9111	12.9785	9.6399	11.0746	0.3478	7.31682	11.80132
Nitrogen Oxide	R2	10	18	25	69	10	248	0.0843	1.0038	2.3186	2.1274	2.6069	3.7449	8.0151		1.852	0.8359	1.6582	3.5401	5.9503	13.0383	9.7216	11

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:

(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.

(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Oxide	R2	1	2	17	77	10	0	0.0992	1.1871	2.4901	2.2886	2.8193	4.0983	8.668		2.169	0.9175	1.8183	3.8394	6.4468	14.1547	10.5136	12.0783	0.4315	0	0
Nitrogen Oxide	R2	1	3	17	77	10	0	0.0992	1.1871	2.4901	2.2886	2.8193	4.0983	8.668		2.169	0.9175	1.8183	3.8394	6.4468	14.1547	10.5136	12.0783	0.4315	0	0
Nitrogen Oxide	R2	1	4	17	77	10	0	0.0992	1.1871	2.4901	2.2886	2.8193	4.0983	8.668		2.169	0.9175	1.8183	3.8394	6.4468	14.1547	10.5136	12.0783	0.4315	0	0
Nitrogen Oxide	R2	1	5	17	78	10	0	0.099	1.1826	2.4852	2.2842	2.8133	4.089	8.6496		2.1619	0.9155	1.814	3.8312	6.433	14.1245	10.4912	12.0525	0.4299	0	0
Nitrogen Oxide	R2	1	6	17	77	10	0	0.0992	1.1871	2.4901	2.2886	2.8193	4.0983	8.668		2.169	0.9175	1.8183	3.8394	6.4468	14.1547	10.5136	12.0783	0.4315	0	0
Nitrogen Oxide	R2	1	7	16	77	10	0	0.1027	1.2286	2.5166	2.3106	2.8491	4.1486	8.7595		2.2159	0.9295	1.841	3.8799	6.5148	14.3041	10.6246	12.2058	0.4433	0	0
Nitrogen Oxide	R2	1	8	17	77	10	0	0.0992	1.1871	2.4901	2.2886	2.8193	4.0983	8.668		2.169	0.9175	1.8183	3.8394	6.4468	14.1547	10.5136	12.0783	0.4315	0	0
Nitrogen Oxide	R2	1	9	17	73	10	139	0.1008	1.2051	2.51	2.3063	2.8434	4.1357	8.7421		2.1973	0.9261	1.8353	3.8721	6.5018	14.2755	10.6033	12.1814	0.438	8.04617	12.97769
Nitrogen Oxide	R2	1	10	19	69	10	290	0.0958	1.1447	2.4779	2.2808	2.8089	4.0744	8.6361		2.134	0.9112	1.8075	3.8252	6.423	14.1026	10.4749	12.0338	0.4216	7.94398	12.81287
Nitrogen Oxide	R2	1	11	20	64	10	272	0.0949	1.1325	2.48	2.2841	2.8136	4.0777	8.6505		2.1281	0.9116	1.8091	3.8316	6.4337	14.126	10.4922	12.0537	0.4193	7.97803	12.86779
Nitrogen Oxide	R2	1	12	21	62	10	252	0.0937	1.1187	2.4668	2.2725	2.7977	4.0494	8.6018		2.0987	0.905	1.7962	3.81	6.3975	14.0465	10.4332	11.986	0.4117	7.91533	12.76666
Nitrogen Oxide	R2	1	13	21	61	10	244	0.0941	1.1235	2.4732	2.2783	2.8056	4.0615	8.6259		2.1077	0.9077	1.8017	3.8207	6.4154	14.0858	10.4624	12.0195	0.4138	7.95246	12.82655
Nitrogen Oxide	R2	1	14	21	62	10	218	0.0937	1.1187	2.4668	2.2725	2.7977	4.0494	8.6018		2.0987	0.905	1.7962	3.81	6.3975	14.0465	10.4332	11.986	0.4117	7.93356	12.79606
Nitrogen Oxide	R2	1	15	21	62	10	264	0.0937	1.1187	2.4668	2.2725	2.7977	4.0494	8.6018		2.0987	0.905	1.7962	3.81	6.3975	14.0465	10.4332	11.986	0.4117	7.91204	12.76136
Nitrogen Oxide	R2	1	16	21	63	10	258	0.0934	1.1139	2.4605	2.2647	2.79	4.0374	8.5778		2.0896	0.9023	1.7908	3.7993	6.3797	14.0073	10.4041	11.9525	0.4096	7.90906	12.75655
Nitrogen Oxide	R2	1	17	20	67	10	282	0.0936	1.1168	2.462	2.268	2.7916	4.0437	8.5829		2.1027	0.9039	1.7937	3.8016	6.3833	14.0156	10.4103	11.9596	0.4135	7.90685	12.75298
Nitrogen Oxide	R2	1	18	19	72	10	248	0.0946	1.1298	2.461	2.2657	2.7883	4.0424	8.5729		2.1099	0.9041	1.7929	3.7972	6.3759	13.9993	10.3981	11.9456	0.4161	7.87871	12.7076
Nitrogen Oxide	R2	1	19	18	74	10	89	0.0971	1.1601	2.4781	2.2795	2.807	4.0752	8.63		2.143	0.9119	1.8078	3.8225	6.4185	14.0926	10.4674	12.0253	0.4247	7.96469	12.84628
Nitrogen Oxide	R2	1	20	18	74	10	0	0.0971	1.1601	2.4781	2.2795	2.807	4.0752	8.63		2.143	0.9119	1.8078	3.8225	6.4185	14.0926	10.4674	12.0253	0.4247	0	0
Nitrogen Oxide	R2	1	21	18	75	10	0	0.0967	1.1553	2.4728	2.2747	2.8005	4.0652	8.6103		2.1355	0.9096	1.8033	3.8137	6.4038	14.0604	10.4435	11.9977	0.4228	0	0
Nitrogen Oxide	R2	1	22	18	76	10	0	0.0963	1.1506	2.4676	2.27	2.794	4.0552	8.5905		2.1279	0.9073	1.7987	3.8051	6.3891	14.0281	10.4195	11.9702	0.4211	0	0
Nitrogen Oxide	R2	1	23	18	75	10	0	0.0967	1.1553	2.4728	2.2747	2.8005	4.0652	8.6103		2.1355	0.9096	1.8033	3.8137	6.4038	14.0604	10.4435	11.9977	0.4228	0	0
Nitrogen Oxide	R2	1	24	17	76	10	0	0.0996	1.1917	2.4951	2.293	2.8253	4.1077	8.6866		2.1761	0.9197	1.8225	3.8476	6.4605	14.1849	10.536	12.104	0.4331	0	0
Nitrogen Oxide	R2	2	1	17	78	10	0	0.099	1.1826	2.4852	2.2842	2.8133	4.089	8.6496		2.1619	0.9155	1.814	3.8312	6.433	14.1245	10.4912	12.0525	0.4299	0	0
Nitrogen Oxide	R2	2	2	17	80	10	0	0.0982	1.1737	2.4753	2.2754	2.8013	4.0702	8.6126		2.1477	0.9112	1.8055	3.8148	6.4055	14.0641	10.4463	12.003	0.4266	0	0
Nitrogen Oxide	R2	2	3	17	81	10	0	0.0978	1.1692	2.4704	2.2709	2.7953	4.0638	8.5941		2.1406	0.9091	1.8012	3.8066	6.3918	14.0339	10.4239	11.9752	0.425	0	0
Nitrogen Oxide	R2	2	4	17	82	10	0	0.0974	1.1647	2.4654	2.2666	2.7892	4.0515	8.5756		2.1335	0.9071	1.797	3.7984	6.378	14.0037	10.4014	11.9494	0.4233	0	0
Nitrogen Oxide	R2	2	5	16	83	10	0	0.1006	1.203	2.4889	2.2857	2.8153	4.0961	8.6557		2.1758	0.9177	1.8171	3.8339	6.4376	14.1346	10.4987	12.0611	0.4341	0	0
Nitrogen Oxide	R2	2	6	16	83	10	0	0.1006	1.203	2.4889	2.2857	2.8153	4.0961	8.6557		2.1758	0.9177	1.8171	3.8339	6.4376	14.1346	10.4987	12.0611	0.4341	0	0
Nitrogen Oxide	R2	2	7	16	83	10	0	0.1006	1.203	2.4889	2.2857	2.8153	4.0961	8.6557		2.1758	0.9177	1.8171	3.8339	6.4376	14.1346	10.4987	12.0611	0.4341	0	0
Nitrogen Oxide	R2	2	8	17	81	10	0	0.0978	1.1692	2.4704	2.2709	2.7953	4.0638	8.5941		2.1406	0.9091	1.8012	3.8066	6.3918	14.0339	10.4239	11.9752	0.425	0	0
Nitrogen Oxide	R2	2	9	18	77	10	139	0.0959	1.1459	2.4622	2.2653	2.7876	4.0451	8.5707		2.1204	0.905	1.7942	3.7963	6.3741	13.9958	10.3956	11.9427	0.4194	7.88698	12.72093
Nitrogen Oxide	R2	2	10	19	73	10	290	0.0942	1.1248	2.4554	2.2607	2.7814	4.0318	8.5518		2.1019	0.9016	1.7881	3.7879	6.3602	13.9648	10.3725	11.9163	0.4143	7.86601	12.68711
Nitrogen Oxide	R2	2	11	20	70	10	272	0.0924	1.1023	2.4441	2.2519	2.7696	4.0096	8.5153		2.0772	0.8963	1.7781	3.7717	6.3331	13.9052	10.3283	11.8654	0.4077	7.8527	12.66564
Nitrogen Oxide	R2	2	12	20	68	10	252	0.0932	1.1116	2.4559	2.2626	2.7842	4.0323	8.5603		2.0942	0.9014	1.7884	3.7917	6.3667	13.9788	10.383	11.9282	0.4116	7.87751	12.70566
Nitrogen Oxide	R2	2	13	21	65	10	244	0.0925	1.1042	2.4479	2.2553	2.7743	4.0132	8.5298		2.0717	0.8968	1.7798	3.7781	6.3439	13.9288	10.3458	11.8855	0.4056	7.86342	12.68293
Nitrogen Oxide	R2	2	14	21	65	10	218	0.0925	1.1042	2.4479	2.2553	2.7743	4.0132	8.5298		2.0717	0.8968	1.7798	3.7781	6.3439	13.9288	10.3458	11.8855	0.4056	7.86681	12.68841
Nitrogen Oxide	R2	2	15	21	66	10	264	0.0921	1.0994	2.4416	2.2496	2.7645	4.0011	8.5057		2.0627	0.8941	1.7743	3.7674	6.326	13.8895	10.3167	11.8526	0.4026	7.82318	12.61804
Nitrogen Oxide	R2	2	16	20	68	10	258	0.0932	1.1116	2.4559	2.2626	2.7842	4.0323	8.5603		2.0942	0.9014	1.7884	3.7917	6.3667	13.9788	10.383	11.9282	0.4116	7.89339	12.73127
Nitrogen Oxide	R2	2	17	20	70	10	282	0.0924	1.1023	2.4441	2.2519	2.7696	4.0096	8.5153		2.0772	0.8963	1.7781	3.7717	6.3331	13.9052	10.3283	11.8654	0.4077	7.84424	12.652
Nitrogen Oxide	R2	2	18	19	74	10	248	0.0958	1.1199	2.4497	2.2557	2.7746	4.0211	8.5307		2.0939	0.8992	1.7833	3.7785	6.3445	13.9304	10.347	11.8868	0.4125	7.83971	12.6447
Nitrogen Oxide	R2	2	19	18	76	10	89	0.0963	1.1506	2.4676	2.27	2.794	4.0552	8.5905		2.1279	0.9073	1.7987	3.8051	6.3891	14.0281	10.4195	11.9702	0.4211	7.92804	12.78716
Nitrogen Oxide	R2	2	20	18	78	10	0	0.0955	1.1412	2.457	2.2606	2.7812	4.0351	8.551		2.1129	0.9028	1.7897	3.7875	6.3597	13.9636	10.3717	11.9152	0.4177	0	0
Nitrogen Oxide	R2	2	21	18	78	10	0	0.0955	1.1412	2.457	2.2606	2.7812	4.0351	8.551		2.1129	0.9028	1.7897	3.7875	6.3597	13.9636	10.3717	11.9152	0.4177	0	0
Nitrogen Oxide	R2	2	22	18	78	10	0	0.0955	1.1412	2.457	2.2606	2.7812	4.0351	8.551		2.1129	0.9028	1.7897	3.7875	6.3597	13.9636	10.3717	11.9152	0.4177	0	0
Nitrogen Oxide	R2	2	23	18	78	10	0	0.0955	1.1412	2.457	2.2606	2.7812	4.0351	8.551		2.1129	0.9028	1.7897	3.7875	6.3597	13.9636	10.3717	11.9152	0.4177	0	0
Nitrogen Oxide	R2	2	24	18	78	10	0	0.0955	1.1412	2.457	2.2606	2.7812	4.0351	8.551		2.1129	0.9028	1.7897	3.7875	6.3597	13.9636	10.3717	11.9152	0.4177	0	0
Nitrogen Oxide	R2	3	1	21	86	10	0	0.084	1.0007	2.3152	2.1349	2.6101	3.7593	8.025		1.8828	0.8398	1.6645	3.5546	5.9685	13.1047	9.7337	11.1823	0.3625	0	0
Nitrogen Oxide	R2	3	2	20	87	10	0	0.086	1.0251	2.3437	2.1606	2.6451	3.8167	8.1324		1.933	0.8529	1.6905	3.6021	6.0484	13.28	9.8639	11.3319	0.3748	0	0
Nitrogen Oxide	R2	3	3	20	87	10	0	0.086	1.0251	2.3437	2.1606	2.6451	3.8167	8.1324		1.933	0.8529	1.6905	3.6021	6.0484	13.28	9.8639	11.3319	0.3748	0	0
Nitrogen Oxide	R2	3	4	20	87	10	0	0.086	1.0251	2.3437	2.1606	2.6451	3.8167	8.1324		1.933	0.8529	1.6905	3.6021	6.0484	13.28	9.8639	11.3319	0.3748	0	0
Nitrogen Oxide	R2	3	5	20	87	10	0	0.086	1.0251	2.3437	2.1606	2.6451	3.8167	8.1324		1.933	0.8529	1.6905	3.6021	6.0484	13.28	9.8639	11.3319	0.3748	0	0
Nitrogen Oxide	R2	3	6	20	87	10	0	0.086	1.0251	2.3437	2.1606	2.6451	3.8167	8.1324		1.933	0.8529	1.6905	3.6021	6.0484	13.28	9.8639	11.3319	0.3748	0	0
Nitrogen Oxide	R2	3	7	20	87	10	0	0.086	1.0251	2.3437	2.1606	2.6451	3.8167	8.1324		1.933	0.8529	1.6905	3.6021	6.0484	13.28	9.8639	11.3319	0.3748	0	0
Nitrogen Oxide	R2	3	8	20	87	10	0	0.0863	1.0297	2.3496	2.166	2.6524	3.8281	8.1549		1.9413	0.8554	1.6957	3.6121	6.0652	13.3168	9.8912	11.3634	0.3768	0	0
Nitrogen Oxide	R2	3	9	21	83	10	139	0.0852	1.0157	2.3342	2.1521	2.6336	3.7956	8.0971		1.9097	0.8479	1.681	3.5865	6.0221	13.2224	9.8211	11.2828	0.3682	7.44723	12.01167
Nitrogen Oxide	R2	3	10	22	79	10	290	0.0845	1.0082	2.3262	2.1448	2.6238	3.777	8.0669		1.8887	0.8436	1.6726	3.5731	5.9997	13.1731	9.7845	11.2407	0.3631	7.41602	11.96132
Nitrogen Oxide	R2	3	11	22	78	10	272	0.085	1.0136	2.3329	2.151	2.6321	3.7899	8.0926		1.8982	0.8465	1.6785	3.5845	6.0187	13.2149	9.8156	11.2764	0.3653	7.45985	12.03202
Nitrogen Oxide	R2	3	12	23	77	10	252	0.0832	0.9914	2.3053	2.1259	2.5981	3.7342	7.988		1.8498	0.834	1.6532	3.5381	5.9409	13.0441	9.6886	11.1306	0.3535	7.34655	11.84928
Nitrogen Oxide	R2	3	13	23	77	10	244	0.0832	0.9914	2.3053	2.1259	2.5981	3.7342	7.988		1.8498	0.834	1.6532	3.5381	5.9409	13.0441	9.6886	11.1306	0.3535	7.36039	11.8716
Nitrogen Oxide	R2	3	14	23	77	10	218	0.0832	0.9914	2.3053	2.1259	2.5981	3.7342	7.988		1.8498	0.834	1.6532	3.5381	5.9409	13.0441	9.6886	11.1306	0.3535	7.35676	11.87676
Nitrogen Oxide	R2	3	15	23	76	10	264	0.0837	0.9973	2.3125	2.1325	2.607	3.7478	8.0152		1.8598	0.837	1.6593	3.5503	5.9612	13.0805	9.7238	11.1686	0.3558	7.36862	11.88488
Nitrogen Oxide	R2	3	16	23	77	10	258	0.0832	0.9914	2.3053	2.1259	2.5981	3.7342	7.988		1.8498	0.834	1.6532	3.5381	5.9409	13.0441	9.6886	11.1306	0.3535	7.36147	11.87334
Nitrogen Oxide	R2	3	17	22	79	10	282	0.0845	1.0082	2.3262	2.1448	2.6238	3.777	8.0669		1.8887	0.8436	1.6726	3.5731	5.9997	13.1731	9.7845	11.2407	0.3631	7.42798	11.98061
Nitrogen Oxide	R2	3	18	22	82	10	248	0.0832	0.992	2.3059	2.1265	2.5987	3.7384	7.99		1.8601	0.8349	1.6551	3.5391	5.9424	13.0475	9.6912	11.1335	0.3566	7.38855	11.83636
Nitrogen Oxide	R2	3	19	21	84	10	89	0.0847	1.0107	2.3279	2.1464	2.6258	3.7835	8.0732		1.9006	0.8452	1.6755	3.5758	6.0043	13.1832	9.792	11.2493	0.3644	7.44661	12.01067
Nitrogen Oxide	R2	3	20	21	85	10	0	0.0843	1.0057	2.3215	2.1406	2.618	3.7714	8.0491		1.8918	0.8425	1.67	3.5652	5.9864	13.144	9.7629	11.2158	0.3646	0	0
Nitrogen Oxide	R2	3	21	21	86	10	0	0.084	1.0007	2.3152	2.1349	2.6101	3.7593	8.025		1.8828	0.8398	1.6645	3.5546	5.9685	13.1047	9.7337	11.1823	0.3625	0	0
Nitrogen Oxide	R2	3	22	21	86	10	0	0.084	1.0007	2.3152	2.1349	2.6101	3.7593	8.025		1.8828	0.8398	1.6645	3.5546	5.9685	13.1047	9.7337	11.1823	0.3625	0	0
Nitrogen Oxide	R2	3	23	21	85	10	0	0.0843	1.0057	2.3215	2.1406	2.618	3.7714	8.0491		1.8918	0.8425	1.67	3.5652	5.9864	13.144	9.7629	11.2158	0.3646	0	0
Nitrogen Oxide	R2	3	24	21	86	10	0	0.084	1.0007	2.3152	2.1349	2.6101	3.7593	8.025		1.8828	0.8398	1.6645	3.5546	5.9685	13.1047	9.7337	11.1823	0.3625	0	0
Nitrogen Oxide	R2	4	1	20	85	10	0	0.0867	1.0436	2.3674	2.1821	2.6744	3.8623	8.2226		1.9669	0.8631	1.7112	3.642	6.1154	13.4271	9.9737	11.4579	0.3717	0	0
Nitrogen Oxide	R2	4	2	20	85	10	0	0.0867	1.0343	2.3555	2.1714	2.6597	3.8394	8.1775		1.9499	0.858	1.7009	3.6221	6.0818	13.3536	9.9186	11.3947	0.3787	0	0
Nitrogen Oxide	R2	4	3	20	84	10	0	0.0871	1.0389	2.3614	2.1768	2.667	3.8507	8.2		1.9585	0.8605	1.7061	3.632	6.0986	13.3904	9.9459	11.4261	0.3807	0	0
Nitrogen Oxide	R2	4	4	20	85	10	0	0.0867	1.0343	2.3555	2.1714	2.6597	3.8394	8.1775		1.9499	0.858	1.7009	3.6221	6.0818	13.3536	9.9186	11.3947	0.3787	0	0
Nitrogen Oxide	R2	4	5	19	84	10	0	0.0897	1.0703	2.3936	2.2053	2.706	3.9146	8.3197		2.014	0.8753	1.735	3.6851	6.1877	13.5858	10.091	11.5929	0.3942	0	0
Nitrogen Oxide	R2	4	6	19	84	10	0	0.0897	1.0703	2.3936	2.2053	2.706	3.9146	8.3197		2.014	0.8753	1.735	3.6851	6.1877	13.5858	10.091	11.5929	0.3942	0	0
Nitrogen Oxide	R2	4	7	20	84	10	0	0.0871	1.0389	2.3614	2.1768	2.667	3.8507	8.2		1.9585	0.8605	1.7061	3.632	6.0986	13.3904	9.9459	11.4261	0.3807	0	0
Nitrogen Oxide	R2	4	8	21	79	10	0	0.0868	1.0356	2.3595	2.1751	2.6649	3.8439	8.1932		1.9457	0.8588	1.703	3.6291	6.0936	13.3794	9.9377	11.4167	0.3769	0	0
Nitrogen Oxide	R2	4	9	22	73	10	139	0.0873	1.0405	2.3667	2.1815	2.6738	3.8542	8.2207		1.9459	0.861	1.7077	3.6412	6.114	13.4242	9.9711	11.455	0.3761	7.56101	12.19518
Nitrogen Oxide	R2	4	10	23	69	10	290	0.087	1.038	2.363	2.1781	2.6692	3.8438	8.2065		1.9306	0.8586	1.7029	3.635	6.1035	13.4011	9.9538	11.4352	0.3718	7.54457	12.16867
Nitrogen Oxide	R2	4	11	23	68	10	272	0.0875	1.0438	2.3702	2.1847	2.6781	3.8575	8.2339		1.9406	0.8617	1.7091	3.6471	6.1238	13.4456	9.9869	11.4732	0.3741	7.59031	12.24244
Nitrogen Oxide	R2	4	12	24	66	10	252	0.0865	1.0324	2.3537	2.1695	2.6575	3.8228	8.1705		1.9085	0.8539	1.6934	3.619	6.0767	13.3422	9.9102	11.385	0.366	7.51489	12.1208
Nitrogen Oxide	R2	4	13	24	65	10	244	0.0871	1.0387	2.3614	2.1764	2.667	3.8373	8.1997		1.9192	0.8571	1.7	3.6319	6.0983	13.3898	9.9454	11.4255	0.3685	7.55607	12.18721
Nitrogen Oxide	R2	4	14	24	66	10	218	0.0865	1.0324	2.3537	2.1695	2.6575	3.8228	8.1705		1.9085	0.8539	1.6934	3.619	6.0767	13.3422	9.9102	11.385	0.366	7.53231	12.14888
Nitrogen Oxide	R2	4	15	24	66	10	264	0.0865	1.0324	2.3537	2.1695	2.6575	3.8228	8.1705		1.9085	0.8539	1.6934	3.619	6.0767	13.3422	9.9102	11.385	0.366	7.51176	12.11574
Nitrogen Oxide	R2	4	16	24	67	10	258	0.0861	1.0261	2.346	2.1625	2.648	3.8082	8.1414		1.8978	0.8506	1.6869	3.6061	6.055	13.2947	9.8748	11.3444	0.3637	7.50318	12.1019
Nitrogen Oxide	R2	4	17	23	69	10	282	0.087	1.038	2.363	2.1781	2.6692	3.8438	8.2065		1.9306	0.8586	1.7029	3.635	6.1035	13.4011	9.9538	11.4352	0.3718	7.55674	12.18828
Nitrogen Oxide	R2	4	18	22	74	10	248	0.0868	1.0351	2.3599	2.1754	2.6655	3.8415	8.1951		1.9063	0.8558	1.7018	3.6299	6.095	13.3823	9.9399	11.4193	0.3719	7.52802	12.14196
Nitrogen Oxide	R2	4	19	22	76	10	89	0.0859	1.0244	2.3464	2.1632	2.6488	3.8157	8.1438		1.9173	0.8523	1.6902	3.6072	6.0569	13.2987	9.8778	11.3478	0.3695	7.51161	12.11549
Nitrogen Oxide	R2	4	20	21	79	10	0	0.0868	1.0356	2.3595	2.1751	2.6649	3.8439	8.1932		1.9457	0.8588	1.703	3.6291	6.0936	13.3794	9.9377	11.4167	0.3769	0	0
Nitrogen Oxide	R2	4	21	21	80	10	0	0.0864	1.0306	2.3532	2.1693	2.6571	3.8318	8.1693		1.9368	0.8561	1.6974	3.6184	6.0758	13.3401	9.9086	11.3833	0.3749	0	0
Nitrogen Oxide	R2	4	22	21	81	10	0	0.0861	1.0257	2.3469	2.1635	2.6492	3.8198	8.1452		1.9278	0.8534	1.6919	3.6078	6.0579	13.3009	9.8794	11.3497	0.3728	0	0
Nitrogen Oxide	R2	4	23	21	82	10	0	0.0856	1.0207	2.3405	2.1579	2.6413	3.8077	8.1212		1.9187	0.8507	1.6864	3.5972	6.0401	13.2617	9.8503	11.3163	0.3708	0	0

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:

(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.

(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Oxide	R2	7	7	28	86	10	0	0.0653	0.7757	2.0173	1.8629	2.2395	3.1791	6.8854		1.4377	0.7085	1.4014	3.0498	5.1209	11.2437	8.3515	9.5943	0.2595	0	0
Nitrogen Oxide	R2	7	8	29	81	10	0	0.0659	0.7841	2.018	1.8626	2.2391	3.1785	6.8843		1.4377	0.7084	1.4012	3.0493	5.1201	11.2418	8.35	9.5927	0.2595	0	0
Nitrogen Oxide	R2	7	9	30	76	10	139	0.0673	0.7998	2.0229	1.8657	2.2434	3.1852	6.8975		1.4431	0.7103	1.4043	3.0551	5.1298	11.2633	8.366	9.6111	0.2607	6.33665	10.2204
Nitrogen Oxide	R2	7	10	31	71	10	290	0.0697	0.83	2.0438	1.8833	2.2673	3.2223	6.9711		1.4708	0.719	1.4211	3.0877	5.1846	11.3835	8.4553	9.7137	0.2669	6.40227	10.32624
Nitrogen Oxide	R2	7	11	31	68	10	272	0.0714	0.851	2.0675	1.9047	2.2964	3.2666	7.0602		1.5036	0.729	1.4414	3.1273	5.2509	11.5291	8.5634	9.8379	0.2744	6.50232	10.48761
Nitrogen Oxide	R2	7	12	32	67	10	252	0.07	0.8337	2.033	1.8725	2.2526	3.1992	6.9257		1.4544	0.7144	1.4109	3.0676	5.1509	11.3095	8.4003	9.6505	0.2632	6.36377	10.26414
Nitrogen Oxide	R2	7	13	32	66	10	244	0.071	0.8451	2.0457	1.8838	2.2679	3.2229	6.9729		1.4719	0.7197	1.4217	3.0885	5.1861	11.3866	8.4575	9.7163	0.2672	6.41962	10.35423
Nitrogen Oxide	R2	7	14	32	66	10	218	0.071	0.8451	2.0457	1.8838	2.2679	3.2229	6.9729		1.4719	0.7197	1.4217	3.0885	5.1861	11.3866	8.4575	9.7163	0.2672	6.42244	10.35878
Nitrogen Oxide	R2	7	15	31	68	10	264	0.0714	0.851	2.0675	1.9047	2.2964	3.2666	7.0602		1.5036	0.729	1.4414	3.1273	5.2509	11.5291	8.5634	9.8379	0.2744	6.48541	10.46034
Nitrogen Oxide	R2	7	16	31	69	10	258	0.0706	0.8405	2.0557	1.894	2.2818	3.2443	7.0156		1.4872	0.7241	1.4313	3.1074	5.2178	11.4564	8.5094	9.7758	0.2707	6.44014	10.41958
Nitrogen Oxide	R2	7	17	31	70	10	282	0.0697	0.83	2.0438	1.8833	2.2673	3.2223	6.9711		1.4708	0.719	1.4211	3.0877	5.1846	11.3835	8.4553	9.7137	0.2669	6.41272	10.3431
Nitrogen Oxide	R2	7	18	30	73	10	248	0.0696	0.8288	2.0564	1.8958	2.2844	3.2483	7.0235		1.4896	0.7245	1.433	3.111	5.2237	11.4692	8.5189	9.7868	0.2712	6.44504	10.39523
Nitrogen Oxide	R2	7	19	29	76	10	89	0.0697	0.8293	2.0706	1.9099	2.3035	3.2777	7.0823		1.5106	0.7307	1.4463	3.137	5.2673	11.5651	8.5902	9.8686	0.2761	6.52657	10.52673
Nitrogen Oxide	R2	7	20	29	79	10	0	0.0674	0.8019	2.039	1.8815	2.2648	3.2182	6.9635		1.4669	0.7174	1.4192	3.0844	5.179	11.3711	8.4461	9.703	0.2661	0	0
Nitrogen Oxide	R2	7	21	29	81	10	0	0.0659	0.7841	2.018	1.8626	2.2391	3.1785	6.8843		1.4377	0.7084	1.4012	3.0493	5.1201	11.2418	8.35	9.5927	0.2595	0	0
Nitrogen Oxide	R2	7	22	29	82	10	0	0.0653	0.7753	2.0075	1.8532	2.2262	3.1587	6.8446		1.4232	0.704	1.3922	3.0317	5.0906	11.1771	8.302	9.5375	0.2562	0	0
Nitrogen Oxide	R2	7	23	28	83	10	0	0.0674	0.8004	2.047	1.8896	2.2759	3.2353	6.9973		1.4789	0.721	1.4269	3.0993	5.2041	11.4264	8.4871	9.7502	0.2689	0	0
Nitrogen Oxide	R2	7	24	28	84	10	0	0.0667	0.7922	2.0371	1.8806	2.2638	3.2165	6.96		1.4652	0.7168	1.4184	3.0828	5.1764	11.3654	8.4419	9.6982	0.2657	0	0
Nitrogen Oxide	R2	8	1	27	90	10	0	0.0654	0.7764	2.0291	1.8746	2.2555	3.2037	6.9346		1.4553	0.714	1.4126	3.0716	5.1575	11.3241	8.4111	9.6629	0.2635	0	0
Nitrogen Oxide	R2	8	2	26	90	10	0	0.0683	0.8115	2.0781	1.9196	2.3168	3.2982	7.1232		1.5243	0.7353	1.4554	3.1551	5.2977	11.6319	8.6398	9.9256	0.2791	0	0
Nitrogen Oxide	R2	8	3	26	91	10	0	0.0676	0.8045	2.0695	1.9117	2.306	3.2816	7.0901		1.5122	0.7317	1.4478	3.1405	5.2732	11.578	8.5997	9.8795	0.2764	0	0
Nitrogen Oxide	R2	8	4	26	92	10	0	0.0671	0.7973	2.0607	1.9038	2.2953	3.2651	7.0571		1.5	0.7279	1.4403	3.1259	5.2486	11.5241	8.5597	9.8336	0.2736	0	0
Nitrogen Oxide	R2	8	5	26	93	10	0	0.0665	0.7902	2.0519	1.896	2.2846	3.2486	7.0242		1.4879	0.7242	1.4329	3.1112	5.2241	11.4702	8.5197	9.7877	0.2708	0	0
Nitrogen Oxide	R2	8	6	26	94	10	0	0.0659	0.7829	2.0433	1.8881	2.2739	3.2321	6.9912		1.4757	0.7205	1.4254	3.0966	5.1996	11.4164	8.4797	9.7417	0.2681	0	0
Nitrogen Oxide	R2	8	7	26	93	10	0	0.0665	0.7902	2.0519	1.896	2.2846	3.2486	7.0242		1.4879	0.7242	1.4329	3.1112	5.2241	11.4702	8.5197	9.7877	0.2708	0	0
Nitrogen Oxide	R2	8	8	27	87	10	0	0.0673	0.7999	2.057	1.8997	2.2898	3.2565	7.0398		1.4941	0.7259	1.4364	3.1182	5.2358	11.4959	8.5387	9.8095	0.2723	0	0
Nitrogen Oxide	R2	8	9	29	81	10	139	0.0659	0.7841	2.018	1.8626	2.2391	3.1785	6.8843		1.4377	0.7084	1.4012	3.0493	5.1201	11.2418	8.35	9.5927	0.2595	6.32643	10.2007
Nitrogen Oxide	R2	8	10	30	76	10	290	0.0673	0.7998	2.0229	1.8657	2.2434	3.1852	6.8975		1.4431	0.7103	1.4043	3.0551	5.1298	11.2633	8.366	9.6111	0.2607	6.33425	10.21654
Nitrogen Oxide	R2	8	11	30	73	10	272	0.0696	0.8288	2.0564	1.8958	2.2844	3.2483	7.0235		1.4896	0.7245	1.433	3.111	5.2237	11.4692	8.5189	9.7868	0.2712	6.46832	10.43278
Nitrogen Oxide	R2	8	12	30	73	10	252	0.0696	0.8288	2.0564	1.8958	2.2844	3.2483	7.0235		1.4896	0.7245	1.433	3.111	5.2237	11.4692	8.5189	9.7868	0.2712	6.45422	10.41004
Nitrogen Oxide	R2	8	13	30	74	10	244	0.0689	0.8192	2.0452	1.8859	2.2707	3.2273	6.9815		1.4741	0.7197	1.4235	3.0923	5.1924	11.4006	8.468	9.7282	0.2677	6.4226	10.3671
Nitrogen Oxide	R2	8	14	30	74	10	218	0.0689	0.8192	2.0452	1.8859	2.2707	3.2273	6.9815		1.4741	0.7197	1.4235	3.0923	5.1924	11.4006	8.468	9.7282	0.2677	6.43042	10.37165
Nitrogen Oxide	R2	8	15	30	75	10	264	0.068	0.8095	2.0341	1.8758	2.2571	3.2062	6.9394		1.4586	0.7149	1.4138	3.0738	5.1612	11.332	8.417	9.6697	0.2642	6.37376	10.28026
Nitrogen Oxide	R2	8	16	29	77	10	258	0.069	0.8203	2.0601	1.9004	2.2907	3.2578	7.0427		1.4961	0.7263	1.4372	3.1194	5.2378	11.5005	8.5422	9.8134	0.2727	6.48523	10.46006
Nitrogen Oxide	R2	8	17	29	79	10	282	0.0674	0.8019	2.039	1.8815	2.2648	3.2182	6.9635		1.4669	0.7174	1.4192	3.0844	5.179	11.3711	8.4461	9.703	0.2661	6.40569	10.33176
Nitrogen Oxide	R2	8	18	28	80	10	248	0.0693	0.8247	2.0766	1.9163	2.3122	3.2912	7.1092		1.5201	0.7336	1.4524	3.1489	5.2873	11.609	8.6228	9.9061	0.2782	6.52418	10.52288
Nitrogen Oxide	R2	8	19	28	82	10	89	0.068	0.8085	2.0568	1.8985	2.288	3.2538	7.0346		1.4926	0.7253	1.4353	3.1158	5.2319	11.4873	8.5324	9.8022	0.2719	6.48235	10.4554
Nitrogen Oxide	R2	8	20	28	84	10	0	0.0667	0.7922	2.0371	1.8806	2.2638	3.2165	6.96		1.4652	0.7168	1.4184	3.0828	5.1764	11.3654	8.4419	9.6982	0.2657	0	0
Nitrogen Oxide	R2	8	21	27	85	10	0	0.0686	0.8154	2.0756	1.9165	2.3125	3.2916	7.1101		1.5199	0.7338	1.4525	3.1492	5.2879	11.6104	8.6238	9.9073	0.2782	0	0
Nitrogen Oxide	R2	8	22	27	87	10	0	0.0673	0.7999	2.057	1.8997	2.2898	3.2565	7.0398		1.4941	0.7259	1.4364	3.1182	5.2358	11.4959	8.5387	9.8095	0.2723	0	0
Nitrogen Oxide	R2	8	23	27	88	10	0	0.0667	0.7921	2.0477	1.8913	2.2783	3.2389	7.0047		1.4813	0.7218	1.4285	3.1026	5.2097	11.4386	8.4961	9.7607	0.2693	0	0
Nitrogen Oxide	R2	8	24	27	89	10	0	0.066	0.7843	2.0384	1.883	2.2669	3.2214	6.9697		1.4683	0.7179	1.4205	3.0871	5.1836	11.3813	8.4536	9.7118	0.2664	0	0
Nitrogen Oxide	R2	9	1	27	89	10	0	0.066	0.7843	2.0384	1.883	2.2669	3.2214	6.9697		1.4683	0.7179	1.4205	3.0871	5.1836	11.3813	8.4536	9.7118	0.2664	0	0
Nitrogen Oxide	R2	9	2	26	91	10	0	0.0689	0.8189	2.0869	1.9274	2.3276	3.3147	7.1561		1.5364	0.739	1.4628	3.1697	5.3223	11.6857	8.6797	9.9735	0.2819	0	0
Nitrogen Oxide	R2	9	3	26	91	10	0	0.0676	0.8045	2.0695	1.9117	2.306	3.2816	7.0901		1.5122	0.7317	1.4478	3.1405	5.2732	11.578	8.5997	9.8795	0.2764	0	0
Nitrogen Oxide	R2	9	4	26	92	10	0	0.0671	0.7973	2.0607	1.9038	2.2953	3.2651	7.0571		1.5	0.7279	1.4403	3.1259	5.2486	11.5241	8.5597	9.8336	0.2736	0	0
Nitrogen Oxide	R2	9	5	26	92	10	0	0.0671	0.7973	2.0607	1.9038	2.2953	3.2651	7.0571		1.5	0.7279	1.4403	3.1259	5.2486	11.5241	8.5597	9.8336	0.2736	0	0
Nitrogen Oxide	R2	9	6	26	93	10	0	0.0665	0.7902	2.0519	1.896	2.2846	3.2486	7.0242		1.4879	0.7242	1.4329	3.1112	5.2241	11.4702	8.5197	9.7877	0.2708	0	0
Nitrogen Oxide	R2	9	7	26	93	10	0	0.0665	0.7902	2.0519	1.896	2.2846	3.2486	7.0242		1.4879	0.7242	1.4329	3.1112	5.2241	11.4702	8.5197	9.7877	0.2708	0	0
Nitrogen Oxide	R2	9	8	27	88	10	0	0.0667	0.7921	2.0477	1.8913	2.2783	3.2389	7.0047		1.4813	0.7218	1.4285	3.1026	5.2097	11.4386	8.4961	9.7607	0.2693	0	0
Nitrogen Oxide	R2	9	9	28	83	10	139	0.0674	0.8004	2.047	1.8896	2.2759	3.2351	6.9973		1.4789	0.721	1.4269	3.0993	5.2041	11.4264	8.4871	9.7502	0.2689	6.42891	10.36921
Nitrogen Oxide	R2	9	10	29	78	10	290	0.0682	0.8111	2.0496	1.891	2.2777	3.2381	7.003		1.4816	0.7219	1.4282	3.1019	5.2084	11.4358	8.4941	9.7582	0.2694	6.43177	10.37383
Nitrogen Oxide	R2	9	11	29	76	10	272	0.0697	0.8293	2.0706	1.9099	2.3035	3.2777	7.0823		1.5108	0.7307	1.4463	3.137	5.2673	11.5651	8.5902	9.8686	0.2761	6.5228	10.52065
Nitrogen Oxide	R2	9	12	29	76	10	252	0.0697	0.8293	2.0706	1.9099	2.3035	3.2777	7.0823		1.5108	0.7307	1.4463	3.137	5.2673	11.5651	8.5902	9.8686	0.2761	6.50859	10.49773
Nitrogen Oxide	R2	9	13	30	75	10	244	0.068	0.8095	2.0341	1.8758	2.2571	3.2062	6.9394		1.4586	0.7149	1.4138	3.0738	5.1612	11.332	8.417	9.6697	0.2642	6.3886	10.30419
Nitrogen Oxide	R2	9	14	29	75	10	218	0.0705	0.8384	2.0812	1.9193	2.3164	3.2975	7.1219		1.5253	0.7352	1.4553	3.1545	5.2968	11.6298	8.6382	9.9238	0.2793	6.56052	10.58148
Nitrogen Oxide	R2	9	15	29	77	10	264	0.069	0.8203	2.0601	1.9004	2.2907	3.2578	7.0427		1.4961	0.7263	1.4372	3.1194	5.2378	11.5005	8.5422	9.8134	0.2727	6.46923	10.43424
Nitrogen Oxide	R2	9	16	29	76	10	258	0.0697	0.8293	2.0706	1.9099	2.3035	3.2777	7.0823		1.5108	0.7307	1.4463	3.137	5.2673	11.5651	8.5902	9.8686	0.2761	6.52193	10.51925
Nitrogen Oxide	R2	9	17	29	78	10	282	0.0682	0.8111	2.0496	1.891	2.2777	3.2381	7.003		1.4816	0.7219	1.4282	3.1019	5.2084	11.4358	8.4941	9.7582	0.2694	6.44227	10.39076
Nitrogen Oxide	R2	9	18	28	81	10	248	0.0687	0.8167	2.0667	1.9073	2.3002	3.2725	7.0718		1.5064	0.7294	1.4439	3.1324	5.2596	11.5481	8.5775	9.8541	0.2771	6.48965	10.46718
Nitrogen Oxide	R2	9	19	27	84	10	89	0.0693	0.8247	2.0848	1.9248	2.3229	3.3092	7.1451		1.5329	0.7377	1.4604	3.1668	5.314	11.6678	8.6664	9.9581	0.281	6.5848	10.62065
Nitrogen Oxide	R2	9	20	27	86	10	0	0.0679	0.8076	2.0663	1.9081	2.3011	3.2741	7.0749		1.5071	0.7298	1.4445	3.1338	5.2619	11.5532	8.5813	9.8584	0.2752	0	0
Nitrogen Oxide	R2	9	21	27	87	10	0	0.0673	0.7999	2.057	1.8997	2.2898	3.2565	7.0398		1.4941	0.7259	1.4364	3.1182	5.2358	11.4959	8.5387	9.8095	0.2723	0	0
Nitrogen Oxide	R2	9	22	27	89	10	0	0.066	0.7843	2.0384	1.883	2.2669	3.2214	6.9697		1.4683	0.7179	1.4205	3.0871	5.1836	11.3813	8.4536	9.7118	0.2664	0	0
Nitrogen Oxide	R2	9	23	27	89	10	0	0.066	0.7843	2.0384	1.883	2.2669	3.2214	6.9697		1.4683	0.7179	1.4205	3.0871	5.1836	11.3813	8.4536	9.7118	0.2664	0	0
Nitrogen Oxide	R2	9	24	26	89	10	0	0.0689	0.8189	2.0869	1.9274	2.3276	3.3147	7.1561		1.5364	0.739	1.4628	3.1697	5.3223	11.6857	8.6797	9.9735	0.2819	0	0
Nitrogen Oxide	R2	10	1	24	56	10	0	0.0824	0.9821	2.2922	2.1139	2.5817	3.7061	7.9376		1.8229	0.8277	1.6404	3.5158	5.9035	12.962	9.6276	11.0605	0.3467	0	0
Nitrogen Oxide	R2	10	2	23	74	10	0	0.0846	1.009	2.3269	2.1455	2.6247	3.7753	8.07		1.88	0.8432	1.6718	3.5745	6.0019	13.1779	9.7881	11.2448	0.3603	0	0
Nitrogen Oxide	R2	10	3	23	74	10	0	0.0846	1.009	2.3269	2.1455	2.6247	3.7753	8.07		1.88	0.8432	1.6718	3.5745	6.0019	13.1779	9.7881	11.2448	0.3603	0	0
Nitrogen Oxide	R2	10	4	23	75	10	0	0.0842	1.0031	2.3198	2.139	2.6159	3.7615	8.0426		1.8699	0.8401	1.6656	3.5623	5.9815	13.1333	9.7549	11.2067	0.3581	0	0
Nitrogen Oxide	R2	10	5	23	74	10	0	0.0846	1.009	2.3269	2.1455	2.6247	3.7753	8.07		1.88	0.8432	1.6718	3.5745	6.0019	13.1779	9.7881	11.2448	0.3603	0	0
Nitrogen Oxide	R2	10	6	23	75	10	0	0.0842	1.0031	2.3198	2.139	2.6159	3.7615	8.0426		1.8699	0.8401	1.6656	3.5623	5.9815	13.1333	9.7549	11.2067	0.3581	0	0
Nitrogen Oxide	R2	10	7	23	75	10	0	0.0842	1.0031	2.3198	2.139	2.6159	3.7615	8.0426		1.8699	0.8401	1.6656	3.5623	5.9815	13.1333	9.7549	11.2067	0.3581	0	0
Nitrogen Oxide	R2	10	8	23	72	10	0	0.0856	1.0206	2.3414	2.1585	2.6425	3.8027	8.1246		1.9003	0.8494	1.6842	3.5986	6.0426	13.2672	9.8543	11.3209	0.3649	0	0
Nitrogen Oxide	R2	10	9	24	69	10	139	0.085	1.0136	2.3306	2.1486	2.6291	3.779	8.0832		1.8764	0.844	1.6736	3.5803	6.0117	13.1996	9.8042	11.2633	0.3588	7.43293	11.98859
Nitrogen Oxide	R2	10	10	25	64	10	290	0.0859	1.0242	2.3381	2.1545	2.6372	3.7915	8.108		1.8862	0.8464	1.6793	3.5913	6.0302	13.2401	9.8344	11.298	0.361	7.45308	12.0211
Nitrogen Oxide	R2	10	11	26	61	10	272	0.086	1.0248	2.3317	2.1478	2.6258	3.7773	8.0797		1.8764	0.8428	1.673	3.5788	6.0092	13.1939	9.8041	11.2588	0.3588	7.44699	12.01128
Nitrogen Oxide	R2	10	12	27	60	10	252	0.0849	1.0124	2.3083	2.1257	2.5978	3.7309	7.987		1.8429	0.8322	1.6519	3.5377	5.9402	13.0426	9.6876	11.1293	0.3512	7.34521	11.84711
Nitrogen Oxide	R2	10	13	27	59	10	244	0.0855	1.0199	2.3176	2.134	2.6092	3.7484	8.0221		1.8559	0.8362	1.66	3.5533	5.9664	13.0998	9.7301	11.1782	0.3542	7.39155	11.92186
Nitrogen Oxide	R2	10	14	27	59	10	218	0.0855	1.0199	2.3176	2.134	2.6092	3.7484	8.0221		1.8559	0.8362	1.66	3.5533	5.9664	13.0998	9.7301	11.1782	0.3542	7.39477	11.92704
Nitrogen Oxide	R2	10	15	27	60	10	264	0.0849	1.0124	2.3083	2.1257	2.5978	3.7309	7.987		1.8429	0.8322	1.6519	3.5377	5.9402	13.0426	9.6876	11.1293	0.3512	7.34214	11.84216
Nitrogen Oxide	R2	10	16	27	62	10	258	0.0856	0.9967	2.2897	2.1089	2.575	3.6957	7.9169		1.8171	0.8244	1.6366	3.5066	5.888	12.928	9.6025	11.0315	0.3453	7.29517	11.76641
Nitrogen Oxide	R2	10	17	26	65	10	282	0.0835	0.9955	2.2967	2.1163	2.585	3.7112	7.9478		1.8279	0.8286	1.6429	3.5201	5.9111	12.9785	9.6399	11.0746	0.3478	7.31682	11.80132
Nitrogen Oxide	R2	10	18	25	67	10	248	0.0843	1.0038	2.3136	2.1324	2.6069	3.7449	8.0151		1.852	0.8359	1.6582	3.5501	5.9611	13.0883	9.7216	11.1684	0.3533	7.3608	11.87225
Nitrogen Oxide	R2	10	19	25	69	10	89	0.0831	0.9903	2.2972	2.1176	2.5868	3.7139	7.9531		1.8291	0.8289	1.644	3.5226	5.915	12.9871	9.6464	11.082	0.3481	7.33389	11.82886
Nitrogen Oxide	R2	10	20	25	71	10	0	0.082	0.9766	2.2808	2.1028	2.5666	3.6828	7.891		1.8063	0.822	1.63	3.4952	5.8688	12.8858	9.5711	10.9956	0.343	0	0
Nitrogen Oxide	R2	10	21	24	71	10	0	0.084	1.0011	2.3152	2.1348	2.6102	3.7499	8.025		1.855	0.8375	1.6604	3.5545	5.9685	13.1045	9.7336	11.1822	0.354	0	0
Nitrogen Oxide	R2	10	22	24	71	10	0	0.084	1.0011	2.3152	2.1348	2.6102	3.7499	8.025		1.855	0.8375	1.6604	3.5545	5.9685	13.1045	9.7336	11.1822	0.354	0	0
Nitrogen Oxide	R2	10	23	24	72	10	0	0.0835	0.9948	2.3076	2.1278	2.6006	3.7353	7.9959		1.8443	0.8343	1.6537	3.5416	5.9468	13.057	9.6983	11.1416	0.3515	0	0
Nitrogen Oxide	R2	10	24	24	72	10	0	0.0835	0.9948	2.3076	2.1278	2.6006	3.7353	7.9959		1.8443	0.8343	1.6537	3.5416	5.9468	13.057	9.6983	11.1416	0.3515	0	0
Nitrogen Oxide	R2	11	1	21	75	10	0	0.0885	1.0554	2.3848	2.198	2.6962	3.8923	8.2894		1.9817	0.8696	1.7249	3.6716	6.1651	13.5364	10.0544	11.5507	0.3851	0	0
Nitrogen Oxide	R2	11	2	21	74	10	0	0.0889	1.0603	2.3911	2.2037	2.7039	3.9044	8.3134		1.9907	0.8723	1.7304	3.6823	6.183	13.5757	10.0835	11.5841	0.3871	0	0
Nitrogen Oxide	R2	11	3	21	74	10	0	0.0889	1.0603	2.3911	2.2037	2.7039	3.9044	8.3134		1.9907	0.8723	1.7304	3.6823	6.183	13.5757	10.0835	11.5841	0.3871	0	0
Nitrogen Oxide	R2	11	4	21	74	10	0	0.0889	1.0603	2.3911	2.2037	2.7039	3.9044	8.3134		1.9907	0.8723	1.7304	3.6823	6.183	13.5757	10.0

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:

(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.

(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Oxide	R3	1	12	21	62	10	252	0.0937	1.1187	2.4668	2.2725	2.7977	4.0494	8.6018		2.0987	0.905	1.7962	3.81	6.3975	14.0465	10.4332	11.986	0.4117	7.91533	12.76666
Nitrogen Oxide	R3	1	13	21	61	10	244	0.0941	1.1235	2.4732	2.2783	2.8056	4.0615	8.6259		2.1077	0.9077	1.8017	3.8207	6.4154	14.0858	10.4624	12.0195	0.4138	7.95246	12.82655
Nitrogen Oxide	R3	1	14	21	62	10	218	0.0937	1.1187	2.4668	2.2725	2.7977	4.0494	8.6018		2.0987	0.905	1.7962	3.81	6.3975	14.0465	10.4332	11.986	0.4117	7.93356	12.79606
Nitrogen Oxide	R3	1	15	21	62	10	264	0.0937	1.1187	2.4668	2.2725	2.7977	4.0494	8.6018		2.0987	0.905	1.7962	3.81	6.3975	14.0465	10.4332	11.986	0.4117	7.91204	12.76136
Nitrogen Oxide	R3	1	16	21	63	10	258	0.0934	1.1139	2.4605	2.2667	2.79	4.0374	8.5778		2.0896	0.9023	1.7908	3.7993	6.3797	14.0073	10.4041	11.9525	0.4096	7.90906	12.75655
Nitrogen Oxide	R3	1	17	20	67	10	282	0.0936	1.1168	2.462	2.268	2.7916	4.0437	8.5829		2.1027	0.9039	1.7937	3.8016	6.3833	14.0156	10.4103	11.9596	0.4135	7.90685	12.75298
Nitrogen Oxide	R3	1	18	19	72	10	248	0.0946	1.1298	2.461	2.2657	2.7883	4.0424	8.5729		2.1099	0.9041	1.7929	3.7972	6.3759	13.9993	10.3981	11.9456	0.4161	7.87871	12.7076
Nitrogen Oxide	R3	1	19	18	74	10	89	0.0971	1.1601	2.4781	2.2795	2.807	4.0752	8.63		2.143	0.9119	1.8078	3.8225	6.4185	14.0926	10.4674	12.0253	0.4247	7.96469	12.84628
Nitrogen Oxide	R3	1	20	18	74	10	0	0.0971	1.1601	2.4781	2.2795	2.807	4.0752	8.63		2.143	0.9119	1.8078	3.8225	6.4185	14.0926	10.4674	12.0253	0.4247	0	0
Nitrogen Oxide	R3	1	21	18	75	10	0	0.0967	1.1553	2.4728	2.2747	2.8005	4.0652	8.6103		2.1355	0.9096	1.8033	3.8137	6.4038	14.0604	10.4435	11.9977	0.4228	0	0
Nitrogen Oxide	R3	1	22	18	76	10	0	0.0963	1.1506	2.4676	2.27	2.794	4.0552	8.5905		2.1279	0.9073	1.7987	3.8051	6.3891	14.0281	10.4195	11.9702	0.4211	0	0
Nitrogen Oxide	R3	1	23	18	75	10	0	0.0967	1.1553	2.4728	2.2747	2.8005	4.0652	8.6103		2.1355	0.9096	1.8033	3.8137	6.4038	14.0604	10.4435	11.9977	0.4228	0	0
Nitrogen Oxide	R3	1	24	17	76	10	0	0.0996	1.1917	2.4951	2.293	2.8253	4.1077	8.6866		2.1761	0.9197	1.8225	3.8476	6.4605	14.1849	10.536	12.104	0.4331	0	0
Nitrogen Oxide	R3	2	1	17	78	10	0	0.099	1.1826	2.4852	2.2842	2.8133	4.089	8.6496		2.1619	0.9155	1.814	3.8312	6.433	14.1245	10.4912	12.0525	0.4299	0	0
Nitrogen Oxide	R3	2	2	17	80	10	0	0.0982	1.1737	2.4753	2.2754	2.8013	4.0702	8.6126		2.1477	0.9112	1.8055	3.8148	6.4055	14.0641	10.4463	12.001	0.4266	0	0
Nitrogen Oxide	R3	2	3	17	81	10	0	0.0978	1.1692	2.4704	2.2709	2.7953	4.0608	8.5941		2.1406	0.9091	1.8012	3.8066	6.3918	14.0339	10.4239	11.9752	0.425	0	0
Nitrogen Oxide	R3	2	4	17	82	10	0	0.0974	1.1647	2.4654	2.2666	2.7892	4.0515	8.5756		2.1355	0.9071	1.797	3.7984	6.378	14.0037	10.4014	11.9494	0.4233	0	0
Nitrogen Oxide	R3	2	5	16	83	10	0	0.1006	1.203	2.4889	2.2857	2.8153	4.0961	8.6557		2.1758	0.9177	1.8171	3.8339	6.4376	14.1346	10.4987	12.0611	0.4341	0	0
Nitrogen Oxide	R3	2	6	16	83	10	0	0.1006	1.203	2.4889	2.2857	2.8153	4.0961	8.6557		2.1758	0.9177	1.8171	3.8339	6.4376	14.1346	10.4987	12.0611	0.4341	0	0
Nitrogen Oxide	R3	2	7	16	83	10	0	0.1006	1.203	2.4889	2.2857	2.8153	4.0961	8.6557		2.1758	0.9177	1.8171	3.8339	6.4376	14.1346	10.4987	12.0611	0.4341	0	0
Nitrogen Oxide	R3	2	8	17	81	10	0	0.0978	1.1692	2.4704	2.2709	2.7953	4.0608	8.5941		2.1406	0.9091	1.8012	3.8066	6.3918	14.0339	10.4239	11.9752	0.425	0	0
Nitrogen Oxide	R3	2	9	18	77	10	139	0.0959	1.1459	2.4622	2.2653	2.7876	4.0451	8.5707		2.1204	0.905	1.7942	3.7963	6.3744	13.9958	10.3956	11.9427	0.4194	7.88698	12.72093
Nitrogen Oxide	R3	2	10	19	73	10	290	0.0942	1.1248	2.4554	2.2607	2.7814	4.0318	8.5518		2.1019	0.9016	1.7881	3.7879	6.3602	13.9648	10.3725	11.9163	0.4143	7.86601	12.68711
Nitrogen Oxide	R3	2	11	20	70	10	272	0.0924	1.1023	2.4441	2.2519	2.7696	4.0096	8.5153		2.0772	0.8963	1.7781	3.7717	6.3331	13.9052	10.3283	11.8654	0.4077	7.8527	12.66564
Nitrogen Oxide	R3	2	12	20	68	10	252	0.0932	1.1116	2.4559	2.2626	2.7842	4.0323	8.5603		2.0942	0.9014	1.7884	3.7917	6.3667	13.9788	10.383	11.9282	0.4116	7.87751	12.70566
Nitrogen Oxide	R3	2	13	21	65	10	244	0.0925	1.1042	2.4479	2.2553	2.7743	4.0132	8.5298		2.0717	0.8968	1.7798	3.7781	6.3439	13.9288	10.3458	11.8855	0.4056	7.86342	12.68293
Nitrogen Oxide	R3	2	14	21	65	10	218	0.0925	1.1042	2.4479	2.2553	2.7743	4.0132	8.5298		2.0717	0.8968	1.7798	3.7781	6.3439	13.9288	10.3458	11.8855	0.4056	7.86681	12.68841
Nitrogen Oxide	R3	2	15	21	66	10	264	0.0921	1.0994	2.4416	2.2496	2.7665	4.0011	8.5057		2.0627	0.8941	1.7743	3.7674	6.326	13.8895	10.3167	11.8521	0.4036	7.82318	12.61804
Nitrogen Oxide	R3	2	16	20	68	10	258	0.0932	1.1116	2.4559	2.2626	2.7842	4.0323	8.5603		2.0942	0.9014	1.7884	3.7917	6.3667	13.9788	10.383	11.9282	0.4116	7.89339	12.73127
Nitrogen Oxide	R3	2	17	20	70	10	282	0.0924	1.1023	2.4441	2.2519	2.7696	4.0096	8.5153		2.0772	0.8963	1.7781	3.7717	6.3331	13.9052	10.3283	11.8654	0.4077	7.84424	12.652
Nitrogen Oxide	R3	2	18	19	74	10	248	0.0938	1.1199	2.4497	2.2557	2.7746	4.0211	8.5307		2.0939	0.8992	1.7833	3.7783	6.3445	13.9304	10.347	11.8868	0.4125	7.83971	12.6447
Nitrogen Oxide	R3	2	19	18	76	10	89	0.0963	1.1506	2.4676	2.27	2.794	4.0552	8.5905		2.1279	0.9073	1.7987	3.8051	6.3891	14.0281	10.4195	11.9702	0.4211	7.92804	12.78716
Nitrogen Oxide	R3	2	20	18	78	10	0	0.0955	1.1412	2.457	2.2606	2.7812	4.0351	8.551		2.1129	0.9028	1.7897	3.7875	6.3597	13.9636	10.3717	11.9152	0.4177	0	0
Nitrogen Oxide	R3	2	21	18	78	10	0	0.0955	1.1412	2.457	2.2606	2.7812	4.0351	8.551		2.1129	0.9028	1.7897	3.7875	6.3597	13.9636	10.3717	11.9152	0.4177	0	0
Nitrogen Oxide	R3	2	22	18	78	10	0	0.0955	1.1412	2.457	2.2606	2.7812	4.0351	8.551		2.1129	0.9028	1.7897	3.7875	6.3597	13.9636	10.3717	11.9152	0.4177	0	0
Nitrogen Oxide	R3	2	23	18	78	10	0	0.0955	1.1412	2.457	2.2606	2.7812	4.0351	8.551		2.1129	0.9028	1.7897	3.7875	6.3597	13.9636	10.3717	11.9152	0.4177	0	0
Nitrogen Oxide	R3	2	24	18	78	10	0	0.0955	1.1412	2.457	2.2606	2.7812	4.0351	8.551		2.1129	0.9028	1.7897	3.7875	6.3597	13.9636	10.3717	11.9152	0.4177	0	0
Nitrogen Oxide	R3	3	1	21	86	10	0	0.0864	1.0007	2.3152	2.1349	2.6101	3.7593	8.025		1.8828	0.8398	1.6645	3.5546	5.9685	13.1047	9.7337	11.1823	0.3625	0	0
Nitrogen Oxide	R3	3	2	20	87	10	0	0.086	1.0251	2.3437	2.1606	2.6451	3.8167	8.1324		1.933	0.8529	1.6905	3.6021	6.0484	13.28	9.8639	11.3319	0.3748	0	0
Nitrogen Oxide	R3	3	3	20	87	10	0	0.086	1.0251	2.3437	2.1606	2.6451	3.8167	8.1324		1.933	0.8529	1.6905	3.6021	6.0484	13.28	9.8639	11.3319	0.3748	0	0
Nitrogen Oxide	R3	3	4	20	87	10	0	0.086	1.0251	2.3437	2.1606	2.6451	3.8167	8.1324		1.933	0.8529	1.6905	3.6021	6.0484	13.28	9.8639	11.3319	0.3748	0	0
Nitrogen Oxide	R3	3	5	20	87	10	0	0.086	1.0251	2.3437	2.1606	2.6451	3.8167	8.1324		1.933	0.8529	1.6905	3.6021	6.0484	13.28	9.8639	11.3319	0.3748	0	0
Nitrogen Oxide	R3	3	6	20	87	10	0	0.086	1.0251	2.3437	2.1606	2.6451	3.8167	8.1324		1.933	0.8529	1.6905	3.6021	6.0484	13.28	9.8639	11.3319	0.3748	0	0
Nitrogen Oxide	R3	3	7	20	87	10	0	0.086	1.0251	2.3437	2.1606	2.6451	3.8167	8.1324		1.933	0.8529	1.6905	3.6021	6.0484	13.28	9.8639	11.3319	0.3748	0	0
Nitrogen Oxide	R3	3	8	20	86	10	0	0.0863	1.0297	2.3496	2.166	2.6524	3.8281	8.1549		1.9415	0.8554	1.6957	3.6121	6.0652	13.3168	9.8912	11.3634	0.3768	0	0
Nitrogen Oxide	R3	3	9	21	83	10	139	0.0852	1.0157	2.3342	2.1521	2.6336	3.7956	8.0971		1.9097	0.8479	1.681	3.5865	6.0221	13.2224	9.8211	11.2828	0.3687	7.44723	12.01167
Nitrogen Oxide	R3	3	10	22	78	10	290	0.0845	1.0082	2.3262	2.1448	2.6238	3.777	8.0669		1.8887	0.8436	1.6726	3.5731	5.9997	13.1731	9.7845	11.2407	0.3631	7.41602	11.96132
Nitrogen Oxide	R3	3	11	22	78	10	272	0.085	1.0136	2.3329	2.151	2.6321	3.7899	8.0928		1.8982	0.8465	1.6785	3.5845	6.0187	13.2149	9.8156	11.2764	0.3653	7.45985	12.03202
Nitrogen Oxide	R3	3	12	23	77	10	252	0.0832	0.9914	2.3053	2.1259	2.5981	3.7342	7.988		1.8498	0.834	1.6532	3.5381	5.9409	13.0441	9.6886	11.1306	0.3535	7.34655	11.84928
Nitrogen Oxide	R3	3	13	23	77	10	244	0.0832	0.9914	2.3053	2.1259	2.5981	3.7342	7.988		1.8498	0.834	1.6532	3.5381	5.9409	13.0441	9.6886	11.1306	0.3535	7.36039	11.8716
Nitrogen Oxide	R3	3	14	23	77	10	218	0.0832	0.9914	2.3053	2.1259	2.5981	3.7342	7.988		1.8498	0.834	1.6532	3.5381	5.9409	13.0441	9.6886	11.1306	0.3535	7.36359	11.87676
Nitrogen Oxide	R3	3	15	23	76	10	264	0.0837	0.9973	2.3125	2.1325	2.607	3.7478	8.0152		1.8598	0.837	1.6593	3.5503	5.9612	13.0887	9.7218	11.1686	0.3558	7.36862	11.88488
Nitrogen Oxide	R3	3	16	23	77	10	258	0.0832	0.9914	2.3053	2.1259	2.5981	3.7342	7.988		1.8498	0.834	1.6532	3.5381	5.9409	13.0441	9.6886	11.1306	0.3535	7.36147	11.87334
Nitrogen Oxide	R3	3	17	22	79	10	282	0.0845	1.0082	2.3262	2.1448	2.6238	3.777	8.0669		1.8887	0.8436	1.6726	3.5731	5.9997	13.1731	9.7845	11.2407	0.3631	7.42798	11.98061
Nitrogen Oxide	R3	3	18	22	82	10	248	0.0832	1.0059	2.3205	2.1265	2.5987	3.7384	7.99		1.8607	0.8349	1.6551	3.5397	5.9424	13.0475	9.6912	11.1352	0.3566	7.33855	11.83636
Nitrogen Oxide	R3	3	19	21	84	10	89	0.0847	1.0107	2.3279	2.1464	2.6258	3.7835	8.0732		1.9008	0.8452	1.6755	3.5758	6.0043	13.1852	9.792	11.2493	0.3666	7.44661	12.01067
Nitrogen Oxide	R3	3	20	21	85	10	0	0.0843	1.0057	2.3215	2.1406	2.618	3.7714	8.0491		1.8918	0.8425	1.67	3.5652	5.9864	13.144	9.7629	11.2158	0.3646	0	0
Nitrogen Oxide	R3	3	21	21	86	10	0	0.084	1.0007	2.3152	2.1349	2.6101	3.7593	8.025		1.8828	0.8398	1.6645	3.5546	5.9685	13.1047	9.7337	11.1823	0.3625	0	0
Nitrogen Oxide	R3	3	22	21	86	10	0	0.084	1.0007	2.3152	2.1349	2.6101	3.7593	8.025		1.8828	0.8398	1.6645	3.5546	5.9685	13.1047	9.7337	11.1823	0.3625	0	0
Nitrogen Oxide	R3	3	23	21	85	10	0	0.0843	1.0057	2.3215	2.1406	2.618	3.7714	8.0491		1.8918	0.8425	1.67	3.5652	5.9864	13.144	9.7629	11.2158	0.3646	0	0
Nitrogen Oxide	R3	3	24	21	86	10	0	0.084	1.0007	2.3152	2.1349	2.6101	3.7593	8.025		1.8828	0.8398	1.6645	3.5546	5.9685	13.1047	9.7337	11.1823	0.3625	0	0
Nitrogen Oxide	R3	4	1	20	83	10	0	0.0875	1.0436	2.3674	2.1821	2.6744	3.8621	8.2226		1.9669	0.8631	1.7112	3.642	6.1154	13.4271	9.9732	11.4573	0.3826	0	0
Nitrogen Oxide	R3	4	2	20	85	10	0	0.0867	1.0343	2.3555	2.1714	2.6597	3.8394	8.1775		1.9499	0.858	1.7009	3.6221	6.0818	13.3536	9.9186	11.3947	0.3787	0	0
Nitrogen Oxide	R3	4	3	20	84	10	0	0.0871	1.0389	2.3614	2.1768	2.667	3.8507	8.2		1.9585	0.8605	1.7061	3.632	6.0986	13.3904	9.9459	11.4263	0.3807	0	0
Nitrogen Oxide	R3	4	4	20	85	10	0	0.0867	1.0343	2.3555	2.1714	2.6597	3.8394	8.1775		1.9499	0.858	1.7009	3.6221	6.0818	13.3536	9.9186	11.3947	0.3787	0	0
Nitrogen Oxide	R3	4	5	19	84	10	89	0.0897	1.0703	2.3936	2.2053	2.706	3.9146	8.3197		2.014	0.8753	1.735	3.6851	6.1877	13.5858	10.091	11.5929	0.3942	0	0
Nitrogen Oxide	R3	4	6	19	84	10	0	0.0897	1.0703	2.3936	2.2053	2.706	3.9146	8.3197		2.014	0.8753	1.735	3.6851	6.1877	13.5858	10.091	11.5929	0.3942	0	0
Nitrogen Oxide	R3	4	7	20	84	10	0	0.0871	1.0389	2.3614	2.1768	2.667	3.8507	8.2		1.9585	0.8605	1.7061	3.632	6.0986	13.3904	9.9459	11.4263	0.3807	0	0
Nitrogen Oxide	R3	4	8	21	79	10	0	0.0868	1.0356	2.3595	2.1751	2.6649	3.8439	8.1932		1.9457	0.8588	1.703	3.6291	6.0936	13.3794	9.9377	11.4167	0.3769	0	0
Nitrogen Oxide	R3	4	9	22	73	10	139	0.0873	1.0405	2.3667	2.1815	2.6738	3.8542	8.2207		1.9459	0.861	1.7077	3.6412	6.114	13.4242	9.9711	11.455	0.3761	7.56101	12.19518
Nitrogen Oxide	R3	4	10	23	69	10	290	0.087	1.038	2.363	2.1781	2.6692	3.8438	8.2065		1.9306	0.8586	1.7029	3.635	6.1035	13.4011	9.9538	11.4352	0.3718	7.54457	12.16867
Nitrogen Oxide	R3	4	11	23	68	10	272	0.0873	1.0438	2.3702	2.1847	2.6781	3.8573	8.2339		1.9416	0.8617	1.7091	3.6471	6.1238	13.4456	9.9869	11.4732	0.3741	7.59031	12.24244
Nitrogen Oxide	R3	4	12	24	66	10	252	0.0865	1.0324	2.3537	2.1695	2.6575	3.8228	8.1705		1.9085	0.8539	1.6934	3.619	6.0767	13.3422	9.9102	11.385	0.366	7.51489	12.1208
Nitrogen Oxide	R3	4	13	24	65	10	244	0.0871	1.0387	2.3614	2.1764	2.667	3.8373	8.1997		1.9192	0.8571	1.7	3.6319	6.0983	13.3898	9.9454	11.4255	0.3685	7.55607	12.18721
Nitrogen Oxide	R3	4	14	24	66	10	218	0.0865	1.0324	2.3537	2.1695	2.6575	3.8228	8.1705		1.9085	0.8539	1.6934	3.619	6.0767	13.3422	9.9102	11.385	0.366	7.53231	12.14888
Nitrogen Oxide	R3	4	15	24	66	10	264	0.0865	1.0324	2.3537	2.1695	2.6575	3.8228	8.1705		1.9085	0.8539	1.6934	3.619	6.0767	13.3422	9.9102	11.385	0.366	7.51176	12.11574
Nitrogen Oxide	R3	4	16	24	67	10	258	0.0861	1.0261	2.346	2.1625	2.648	3.8082	8.1414		1.8978	0.8506	1.6869	3.6081	6.055	13.2947	9.8722	11.3441	0.3637	7.50318	12.1019
Nitrogen Oxide	R3	4	17	23	69	10	282	0.087	1.038	2.363	2.1781	2.6692	3.8438	8.2065		1.9306	0.8586	1.7029	3.635	6.1035	13.4011	9.9538	11.4352	0.3718	7.55674	12.18828
Nitrogen Oxide	R3	4	18	22	74	10	248	0.0868	1.0351	2.3599	2.1754	2.6655	3.8415	8.1951		1.9363	0.858	1.7018	3.6299	6.095	13.3823	9.9399	11.4193	0.3739	7.52802	12.14196
Nitrogen Oxide	R3	4	19	22	76	10	89	0.0859	1.0244	2.3464	2.1632	2.6488	3.8157	8.1438		1.9173	0.8523	1.6902	3.6072	6.0569	13.2987	9.8778	11.3478	0.3695	7.51161	12.11549
Nitrogen Oxide	R3	4	20	21	79	10	0	0.0868	1.0356	2.3595	2.1751	2.6649	3.8439	8.1932		1.9457	0.8588	1.703	3.6291	6.0936	13.3794	9.9377	11.4167	0.3769	0	0
Nitrogen Oxide	R3	4	21	21	80	10	0	0.0864	1.0306	2.3532	2.1693	2.6571	3.8318	8.1693		1.9368	0.8561	1.6974	3.6184	6.0758	13.3401	9.9086	11.3833	0.3749	0	0
Nitrogen Oxide	R3	4	22	21	81	10	0	0.0861	1.0257	2.3469	2.1635	2.6492	3.8198	8.1432		1.9278	0.8534	1.6919	3.6078	6.0579	13.3009	9.8794	11.3397	0.3728	0	0
Nitrogen Oxide	R3	4	23	21	82	10	0	0.0856	1.0207	2.3405	2.1579	2.6415	3.8077	8.1212		1.9187	0.8507	1.6864	3.5972	6.0401	13.2617	9.8503	11.3163	0.3708	0	0
Nitrogen Oxide	R3	4	24	20	82	10	0	0.0879	1.0481	2.3732	2.1875	2.6817	3.8735	8.245		1.9754	0.8656	1.7163	3.652	6.1322	13.4639	10.0006	11.4889	0.3845	0	0
Nitrogen Oxide	R3	5	1	26	91	10	0	0.0676	0.8045	2.0695	1.9117	2.306	3.2816	7.0901		1.5122	0.7317	1.4478	3.1405	5.2732	11.578	8.5997	9.8795	0.2764	0	0
Nitrogen Oxide	R3	5	2	25	92	10	0	0.07	0.833	2.1084	1.9476	2.3549	3.3568	7.2401		1.5668	0.7488	1.4819	3.2069	5.3848	11.8229	8.7817	10.0885	0.2887	0	0
Nitrogen Oxide	R3	5	3	25	92	10	0	0.07	0.833	2.1084	1.9476	2.3549	3.3568	7.2401		1.5668	0.7488	1.4819	3.2069	5.3848	11.8229	8.7817	10.0885	0.2887	0	0
Nitrogen Oxide	R3	5	4	25	91	10	0	0.0707	0.84	2.1166	1.9549	2.3649	3.3723	7.2711		1.5783	0.7522	1.4889	3.2206	5.4078	11.8735	8.8192	10.1317	0.2913	0	0
Nitrogen Oxide	R3	5	5	25	92	10	0	0.07	0.833	2.1084	1.9476	2.3549	3.3568	7.2401		1.5668	0.7488	1.4819	3.2069	5.3848	11.8229	8.7817	10.0885	0.2887	0	0
Nitrogen Oxide	R3	5	6	25	93	10	0	0.0694	0.8262	2.1002	1.9401	2.3448	3.3412	7.2091		1.5554	0.7453	1.4748	3.1932	5.3616	11.7723	8.744	10.0454	0.2861	0	0
Nitrogen Oxide	R3	5	7	26	91	10	0	0.0676	0.8045	2.0695	1.9117	2.306	3.2816	7.0901		1.5122	0.7317	1.4478	3.1405	5.2732	11.578	8.5997	9.8795	0.2764	0	0
Nitrogen Oxide	R3	5	8	27	85	10	0	0.0686	0.8154	2.0756	1.9165	2.3125	3.2916	7.1101		1.5199	0.7338	1.4525	3.1492	5.2879	11.6104	8.6238	9.9073	0.2782	0	0
Nitrogen Oxide	R3	5	9	28	82	10	139	0.0693	0.8247	2.0766	1.9163	2.3184	3.2912	7.1092		1.5203	0.7336	1.4524	3.1489	5.2871	11.6113	8.6232	9.9061	0.2782	6.53238	10.5361
Nitrog

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:

(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.

(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Oxide	R3	7	17	31	70	10	282	0.0697	0.83	2.0438	1.8833	2.2673	3.2222	6.9711		1.4708	0.719	1.4211	3.0877	5.1846	11.3835	8.4553	9.7137	0.2669	6.41272	10.3431
Nitrogen Oxide	R3	7	18	30	73	10	248	0.0696	0.8288	2.0564	1.8958	2.2844	3.2483	7.0235		1.4896	0.7245	1.433	3.111	5.2237	11.4692	8.5189	9.7868	0.2712	6.44504	10.39523
Nitrogen Oxide	R3	7	19	30	76	10	89	0.0697	0.8293	2.0706	1.9099	2.3035	3.2777	7.0823		1.5108	0.7307	1.4463	3.137	5.2673	11.5651	8.5902	9.8686	0.2761	6.52657	10.52673
Nitrogen Oxide	R3	7	20	29	79	10	0	0.0674	0.8019	2.039	1.8815	2.2648	3.2182	6.9635		1.4669	0.7174	1.4192	3.0844	5.179	11.3711	8.4403	9.7033	0.2661	0	0
Nitrogen Oxide	R3	7	21	29	81	10	0	0.0659	0.7841	2.018	1.8626	2.2391	3.1785	6.8843		1.4377	0.7084	1.4012	3.0493	5.1201	11.2418	8.35	9.5927	0.2595	0	0
Nitrogen Oxide	R3	7	22	29	82	10	0	0.0653	0.7753	2.0075	1.8532	2.2262	3.1587	6.8446		1.4232	0.704	1.3922	3.0317	5.0906	11.1771	8.302	9.5375	0.2562	0	0
Nitrogen Oxide	R3	7	23	28	83	10	0	0.0674	0.8004	2.047	1.8896	2.2759	3.2351	6.9973		1.4789	0.721	1.4269	3.0993	5.2041	11.4264	8.4871	9.7502	0.2689	0	0
Nitrogen Oxide	R3	7	24	28	84	10	0	0.0667	0.7922	2.0371	1.8806	2.2638	3.2165	6.96		1.4652	0.7168	1.4184	3.0828	5.1764	11.3654	8.4419	9.6982	0.2657	0	0
Nitrogen Oxide	R3	8	1	27	90	10	0	0.0654	0.7764	2.0291	1.8746	2.2555	3.2037	6.9346		1.4553	0.714	1.4126	3.0716	5.1575	11.3241	8.4111	9.6629	0.2635	0	0
Nitrogen Oxide	R3	8	2	26	90	10	0	0.0683	0.8115	2.0781	1.9196	2.3168	3.2982	7.1232		1.5243	0.7353	1.4354	3.1351	5.2977	11.6319	8.6388	9.9256	0.2791	0	0
Nitrogen Oxide	R3	8	3	26	91	10	0	0.0676	0.8045	2.0695	1.9117	2.306	3.2816	7.0901		1.5122	0.7317	1.4478	3.1405	5.2732	11.578	8.5997	9.8795	0.2764	0	0
Nitrogen Oxide	R3	8	4	26	92	10	0	0.0671	0.7973	2.0607	1.9038	2.2953	3.2651	7.0571		1.5	0.7279	1.4403	3.1259	5.2486	11.5241	8.5597	9.8336	0.2736	0	0
Nitrogen Oxide	R3	8	5	26	93	10	0	0.0665	0.7902	2.0519	1.896	2.2846	3.2486	7.0242		1.4879	0.7242	1.4329	3.1112	5.2241	11.4702	8.5197	9.7877	0.2708	0	0
Nitrogen Oxide	R3	8	6	26	94	10	0	0.0659	0.7829	2.0433	1.8881	2.2739	3.2321	6.9912		1.4737	0.7205	1.4254	3.0966	5.1996	11.4164	8.4797	9.7417	0.2681	0	0
Nitrogen Oxide	R3	8	7	26	93	10	0	0.0665	0.7902	2.0519	1.896	2.2846	3.2486	7.0242		1.4879	0.7242	1.4329	3.1112	5.2241	11.4702	8.5197	9.7877	0.2708	0	0
Nitrogen Oxide	R3	8	8	27	87	10	0	0.0673	0.7999	2.057	1.8997	2.2898	3.2565	7.0398		1.4941	0.7259	1.4364	3.1182	5.2358	11.4959	8.5387	9.8095	0.2723	0	0
Nitrogen Oxide	R3	8	9	29	81	10	139	0.0659	0.7841	2.018	1.8626	2.2391	3.1785	6.8843		1.4377	0.7084	1.4012	3.0493	5.1201	11.2418	8.35	9.5927	0.2595	6.32443	10.2007
Nitrogen Oxide	R3	8	10	30	76	10	290	0.0673	0.7998	2.0229	1.8657	2.2434	3.1852	6.8975		1.4431	0.7103	1.4043	3.0551	5.1298	11.2633	8.366	9.6111	0.2607	6.33425	10.21654
Nitrogen Oxide	R3	8	11	30	73	10	272	0.0696	0.8288	2.0564	1.8958	2.2844	3.2483	7.0235		1.4896	0.7245	1.433	3.111	5.2237	11.4692	8.5189	9.7868	0.2712	6.46832	10.43278
Nitrogen Oxide	R3	8	12	30	73	10	252	0.0696	0.8288	2.0564	1.8958	2.2844	3.2483	7.0235		1.4896	0.7245	1.433	3.111	5.2237	11.4692	8.5189	9.7868	0.2712	6.45422	10.41004
Nitrogen Oxide	R3	8	13	30	74	10	244	0.0689	0.8192	2.0452	1.8859	2.2707	3.2273	6.9815		1.4741	0.7197	1.4235	3.0923	5.1924	11.4006	8.468	9.7282	0.2677	6.42376	10.3671
Nitrogen Oxide	R3	8	14	30	74	10	218	0.0689	0.8192	2.0452	1.8859	2.2707	3.2273	6.9815		1.4741	0.7197	1.4235	3.0923	5.1924	11.4006	8.468	9.7282	0.2677	6.43042	10.37165
Nitrogen Oxide	R3	8	15	30	75	10	264	0.068	0.8095	2.0341	1.8758	2.2571	3.2062	6.9394		1.4586	0.7149	1.4138	3.0738	5.1612	11.332	8.417	9.6697	0.2642	6.37376	10.28026
Nitrogen Oxide	R3	8	16	29	77	10	258	0.069	0.8203	2.0601	1.9004	2.2907	3.2578	7.0427		1.4961	0.7263	1.4372	3.1194	5.2378	11.5005	8.5422	9.8134	0.2727	6.48523	10.46006
Nitrogen Oxide	R3	8	17	29	79	10	282	0.0674	0.8019	2.039	1.8815	2.2648	3.2182	6.9635		1.4669	0.7174	1.4192	3.0844	5.179	11.3711	8.4461	9.703	0.2661	6.40569	10.33176
Nitrogen Oxide	R3	8	18	28	80	10	248	0.0693	0.8247	2.0766	1.9163	2.3122	3.2912	7.1092		1.5201	0.7336	1.4524	3.1489	5.2873	11.609	8.6228	9.9061	0.2782	6.52418	10.52288
Nitrogen Oxide	R3	8	19	28	82	10	89	0.068	0.8085	2.0568	1.8985	2.288	3.2535	7.0346		1.4926	0.7253	1.4353	3.1158	5.2319	11.4873	8.5324	9.8025	0.2719	6.48235	10.4554
Nitrogen Oxide	R3	8	20	28	84	10	0	0.0667	0.7922	2.0371	1.8806	2.2638	3.2165	6.96		1.4652	0.7168	1.4184	3.0828	5.1764	11.3654	8.4419	9.6982	0.2657	0	0
Nitrogen Oxide	R3	8	21	27	85	10	0	0.0686	0.8154	2.0756	1.9165	2.3125	3.2916	7.1101		1.5199	0.7338	1.4525	3.1492	5.2879	11.6104	8.6238	9.9073	0.2782	0	0
Nitrogen Oxide	R3	8	22	27	87	10	0	0.0673	0.7999	2.057	1.8997	2.2898	3.2565	7.0398		1.4941	0.7259	1.4364	3.1182	5.2358	11.4959	8.5387	9.8095	0.2723	0	0
Nitrogen Oxide	R3	8	23	27	88	10	0	0.0667	0.7921	2.0477	1.8913	2.2783	3.2389	7.0047		1.4813	0.7218	1.4285	3.1026	5.2097	11.4386	8.4961	9.7607	0.2693	0	0
Nitrogen Oxide	R3	8	24	27	89	10	0	0.066	0.7843	2.0384	1.883	2.2669	3.2214	6.9697		1.4683	0.7179	1.4205	3.0871	5.1836	11.3813	8.4536	9.7118	0.2664	0	0
Nitrogen Oxide	R3	9	1	27	89	10	0	0.066	0.7843	2.0384	1.883	2.2669	3.2214	6.9697		1.4683	0.7179	1.4205	3.0871	5.1836	11.3813	8.4536	9.7118	0.2664	0	0
Nitrogen Oxide	R3	9	2	26	89	10	0	0.0689	0.8189	2.0869	1.9274	2.3276	3.3147	7.1561		1.5364	0.739	1.4628	3.1697	5.3223	11.6857	8.6797	9.9715	0.2819	0	0
Nitrogen Oxide	R3	9	3	26	91	10	0	0.0676	0.8045	2.0695	1.9117	2.306	3.2816	7.0901		1.5122	0.7317	1.4478	3.1405	5.2732	11.578	8.5997	9.8795	0.2764	0	0
Nitrogen Oxide	R3	9	4	26	92	10	0	0.0671	0.7973	2.0607	1.9038	2.2953	3.2651	7.0571		1.5	0.7279	1.4403	3.1259	5.2486	11.5241	8.5597	9.8336	0.2736	0	0
Nitrogen Oxide	R3	9	5	26	92	10	0	0.0671	0.7973	2.0607	1.9038	2.2953	3.2651	7.0571		1.5	0.7279	1.4403	3.1259	5.2486	11.5241	8.5597	9.8336	0.2736	0	0
Nitrogen Oxide	R3	9	6	26	93	10	0	0.0665	0.7902	2.0519	1.896	2.2846	3.2486	7.0242		1.4879	0.7242	1.4329	3.1112	5.2241	11.4702	8.5197	9.7877	0.2708	0	0
Nitrogen Oxide	R3	9	7	26	93	10	0	0.0665	0.7902	2.0519	1.896	2.2846	3.2486	7.0242		1.4879	0.7242	1.4329	3.1112	5.2241	11.4702	8.5197	9.7877	0.2708	0	0
Nitrogen Oxide	R3	9	8	27	88	10	0	0.0667	0.7921	2.0477	1.8913	2.2783	3.2389	7.0047		1.4813	0.7218	1.4285	3.1026	5.2097	11.4386	8.4961	9.7607	0.2693	0	0
Nitrogen Oxide	R3	9	9	28	83	10	139	0.0674	0.8004	2.047	1.8896	2.2759	3.2351	6.9973		1.4789	0.721	1.4269	3.0993	5.2041	11.4264	8.4871	9.7502	0.2689	6.42891	10.36921
Nitrogen Oxide	R3	9	10	29	78	10	290	0.0682	0.8111	2.0496	1.891	2.2777	3.2381	7.003		1.4816	0.7219	1.4282	3.1019	5.2084	11.4358	8.4941	9.7582	0.2694	6.43177	10.37383
Nitrogen Oxide	R3	9	11	29	76	10	272	0.0697	0.8293	2.0706	1.9099	2.3035	3.2777	7.0823		1.5108	0.7307	1.4463	3.137	5.2673	11.5651	8.5902	9.8686	0.2761	6.5228	10.52065
Nitrogen Oxide	R3	9	12	29	76	10	252	0.0697	0.8293	2.0706	1.9099	2.3035	3.2777	7.0823		1.5108	0.7307	1.4463	3.137	5.2673	11.5651	8.5902	9.8686	0.2761	6.50859	10.49773
Nitrogen Oxide	R3	9	13	30	75	10	244	0.068	0.8095	2.0341	1.8758	2.2571	3.2062	6.9394		1.4586	0.7149	1.4138	3.0738	5.1612	11.332	8.417	9.6697	0.2642	6.38386	10.30419
Nitrogen Oxide	R3	9	14	29	75	10	218	0.0705	0.8384	2.0812	1.9193	2.3164	3.2975	7.1219		1.5253	0.7352	1.4553	3.1545	5.2968	11.6298	8.6382	9.9238	0.2793	6.56052	10.58148
Nitrogen Oxide	R3	9	15	29	77	10	264	0.069	0.8203	2.0601	1.9004	2.2907	3.2578	7.0427		1.4961	0.7263	1.4372	3.1194	5.2378	11.5005	8.5422	9.8134	0.2727	6.46923	10.43424
Nitrogen Oxide	R3	9	16	29	76	10	258	0.0697	0.8293	2.0706	1.9099	2.3035	3.2777	7.0823		1.5108	0.7307	1.4463	3.137	5.2673	11.5651	8.5902	9.8686	0.2761	6.52193	10.51925
Nitrogen Oxide	R3	9	17	29	78	10	282	0.0682	0.8111	2.0496	1.891	2.2777	3.2381	7.003		1.4816	0.7219	1.4282	3.1019	5.2084	11.4358	8.4941	9.7582	0.2694	6.44227	10.39876
Nitrogen Oxide	R3	9	18	28	81	10	248	0.0687	0.8167	2.0667	1.9073	2.3002	3.2725	7.0718		1.5064	0.7294	1.4439	3.1324	5.2596	11.5481	8.5775	9.8541	0.275	6.48965	10.46718
Nitrogen Oxide	R3	9	19	27	84	10	89	0.0693	0.8231	2.0848	1.9248	2.3239	3.3092	7.1451		1.5329	0.7377	1.4604	3.1648	5.314	11.6678	8.6664	9.9561	0.281	6.5848	10.62065
Nitrogen Oxide	R3	9	20	27	86	10	0	0.0679	0.8076	2.0663	1.9081	2.3011	3.2741	7.0749		1.5071	0.7298	1.4445	3.1338	5.2619	11.5532	8.5813	9.8584	0.2752	0	0
Nitrogen Oxide	R3	9	21	27	87	10	0	0.0673	0.7999	2.057	1.8997	2.2898	3.2565	7.0398		1.4941	0.7259	1.4364	3.1182	5.2358	11.4959	8.5387	9.8095	0.2723	0	0
Nitrogen Oxide	R3	9	22	27	89	10	0	0.066	0.7843	2.0384	1.883	2.2669	3.2214	6.9697		1.4683	0.7179	1.4205	3.0871	5.1836	11.3813	8.4536	9.7118	0.2664	0	0
Nitrogen Oxide	R3	9	23	27	89	10	0	0.066	0.7843	2.0384	1.883	2.2669	3.2214	6.9697		1.4683	0.7179	1.4205	3.0871	5.1836	11.3813	8.4536	9.7118	0.2664	0	0
Nitrogen Oxide	R3	9	24	26	89	10	0	0.0689	0.8189	2.0869	1.9274	2.3276	3.3147	7.1561		1.5364	0.739	1.4628	3.1697	5.3223	11.6857	8.6797	9.9715	0.2819	0	0
Nitrogen Oxide	R3	10	1	24	74	10	0	0.0824	0.9821	2.2922	2.1139	2.5817	3.7061	7.9376		1.8229	0.8277	1.6404	3.5158	5.9035	12.962	9.6276	11.0605	0.3467	0	0
Nitrogen Oxide	R3	10	2	23	74	10	0	0.0846	1.009	2.3269	2.1455	2.6247	3.7753	8.07		1.88	0.8432	1.6718	3.5745	6.0019	13.1779	9.7881	11.2448	0.3603	0	0
Nitrogen Oxide	R3	10	3	23	74	10	0	0.0846	1.009	2.3269	2.1455	2.6247	3.7753	8.07		1.88	0.8432	1.6718	3.5745	6.0019	13.1779	9.7881	11.2448	0.3603	0	0
Nitrogen Oxide	R3	10	4	23	75	10	0	0.0842	1.0031	2.3198	2.139	2.6159	3.7615	8.0426		1.8699	0.8401	1.6656	3.5623	5.9815	13.1333	9.7549	11.2067	0.3581	0	0
Nitrogen Oxide	R3	10	5	23	74	10	0	0.0846	1.009	2.3269	2.1455	2.6247	3.7753	8.07		1.88	0.8432	1.6718	3.5745	6.0019	13.1779	9.7881	11.2448	0.3603	0	0
Nitrogen Oxide	R3	10	6	23	75	10	0	0.0842	1.0031	2.3198	2.139	2.6159	3.7615	8.0426		1.8699	0.8401	1.6656	3.5623	5.9815	13.1333	9.7549	11.2067	0.3581	0	0
Nitrogen Oxide	R3	10	7	23	75	10	0	0.0842	1.0031	2.3198	2.139	2.6159	3.7615	8.0426		1.8699	0.8401	1.6656	3.5623	5.9815	13.1333	9.7549	11.2067	0.3581	0	0
Nitrogen Oxide	R3	10	8	23	76	10	0	0.0856	1.0206	2.3414	2.1585	2.6425	3.8027	8.1246		1.9003	0.8494	1.6842	3.5986	6.0426	13.2672	9.8543	11.3209	0.3649	0	0
Nitrogen Oxide	R3	10	9	24	69	10	139	0.085	1.0136	2.3306	2.1486	2.6291	3.779	8.0832		1.8764	0.844	1.6736	3.5803	6.0117	13.1996	9.8042	11.2633	0.3588	7.43293	11.98859
Nitrogen Oxide	R3	10	10	24	69	10	290	0.0859	1.0242	2.3581	2.1745	2.6372	3.8271	8.1086		1.8862	0.8464	1.6793	3.5913	6.0302	13.2401	9.8344	11.298	0.3661	7.45308	12.0211
Nitrogen Oxide	R3	10	11	26	61	10	272	0.086	1.0248	2.3317	2.1478	2.628	3.7773	8.0797		1.8764	0.8428	1.673	3.5788	6.0092	13.1939	9.8	11.2585	0.3588	7.44699	12.01128
Nitrogen Oxide	R3	10	12	27	60	10	252	0.0849	1.0124	2.3083	2.1257	2.5978	3.7309	7.987		1.8429	0.8322	1.6519	3.5377	5.9402	13.0426	9.6876	11.1293	0.3512	7.34521	11.84711
Nitrogen Oxide	R3	10	13	27	59	10	244	0.0855	1.0199	2.3176	2.134	2.6092	3.7484	8.0221		1.8559	0.8362	1.66	3.5533	5.9664	13.0998	9.7301	11.1782	0.3542	7.39155	11.92186
Nitrogen Oxide	R3	10	14	27	59	10	218	0.0855	1.0199	2.3176	2.134	2.6092	3.7484	8.0221		1.8559	0.8362	1.66	3.5533	5.9664	13.0998	9.7301	11.1782	0.3542	7.39477	11.92704
Nitrogen Oxide	R3	10	15	27	60	10	264	0.0849	1.0124	2.3083	2.1257	2.5978	3.7309	7.987		1.8429	0.8322	1.6519	3.5377	5.9402	13.0426	9.6876	11.1293	0.3512	7.34214	11.84216
Nitrogen Oxide	R3	10	16	27	62	10	258	0.0836	0.9967	2.2897	2.1089	2.5775	3.6957	7.9149		1.8171	0.8244	1.636	3.5066	5.888	12.928	9.6025	11.0315	0.3453	7.29517	11.76641
Nitrogen Oxide	R3	10	17	26	65	10	282	0.0835	0.9955	2.2967	2.1163	2.585	3.7112	7.9478		1.8279	0.828	1.6429	3.5203	5.9111	12.9785	9.6399	11.0746	0.3478	7.31682	11.80132
Nitrogen Oxide	R3	10	18	25	67	10	248	0.0843	1.0038	2.3136	2.1324	2.6069	3.7449	8.0151		1.852	0.8359	1.6582	3.5501	5.9611	13.0883	9.7216	11.1684	0.3533	7.3608	11.87225
Nitrogen Oxide	R3	10	19	25	69	10	89	0.0851	0.9903	2.2972	2.1176	2.5868	3.7139	7.9531		1.8291	0.8289	1.644	3.5226	5.915	12.9871	9.6464	11.082	0.3481	7.33389	11.82886
Nitrogen Oxide	R3	10	20	25	71	10	0	0.082	0.9766	2.2808	2.1028	2.5666	3.6828	7.891		1.8063	0.822	1.63	3.4952	5.8688	12.8858	9.5711	10.9956	0.343	0	0
Nitrogen Oxide	R3	10	21	24	71	10	0	0.084	1.0011	2.3152	2.1348	2.6102	3.7499	8.025		1.855	0.8375	1.6604	3.5545	5.9685	13.1045	9.7236	11.1822	0.3497	0	0
Nitrogen Oxide	R3	10	22	24	71	10	0	0.084	1.0011	2.3152	2.1348	2.6102	3.7499	8.025		1.855	0.8375	1.6604	3.5545	5.9685	13.1045	9.7236	11.1822	0.354	0	0
Nitrogen Oxide	R3	10	23	24	72	10	0	0.0835	0.9948	2.3076	2.1278	2.6006	3.7353	7.9959		1.8443	0.8343	1.6537	3.5416	5.9468	13.057	9.6983	11.1416	0.3515	0	0
Nitrogen Oxide	R3	10	24	24	72	10	0	0.0835	0.9948	2.3076	2.1278	2.6006	3.7353	7.9959		1.8443	0.8343	1.6537	3.5416	5.9468	13.057	9.6983	11.1416	0.3515	0	0
Nitrogen Oxide	R3	11	1	21	75	10	0	0.0885	1.0554	2.3848	2.198	2.6962	3.8923	8.2894		1.9817	0.8696	1.7249	3.6716	6.1651	13.5364	10.0544	11.5507	0.3851	0	0
Nitrogen Oxide	R3	11	2	21	74	10	0	0.0889	1.0603	2.3911	2.2037	2.7039	3.9044	8.3134		1.9907	0.8723	1.7304	3.6823	6.183	13.5757	10.0835	11.5841	0.3871	0	0
Nitrogen Oxide	R3	11	3	21	74	10	0	0.0889	1.0603	2.3911	2.2037	2.7039	3.9044	8.3134		1.9907	0.8723	1.7304	3.6823	6.183	13.5757	10.0835	11.5841	0.3871	0	0
Nitrogen Oxide	R3	11	4	21	74	10	0	0.0889	1.0603	2.3911	2.2037	2.7039	3.9044	8.3134		1.9907	0.8723	1.7304	3.6823	6.183	13.5757	10.0835	11.5841	0.3871	0	0
Nitrogen Oxide	R3	11	5	21	74	10	0	0.0889	1.0603	2.3911	2.2037	2.7039	3.9044	8.3134		1.9907	0.8723	1.7304	3.6823	6.183	13.5757	10.0835	11.5841	0.3871	0	0
Nitrogen Oxide	R3	11	6	21	73	10	0	0.0893	1.0652	2.3975	2.2094	2.7118	3.9165	8.3375		1.9997	0.8751	1.7359	3.693	6.2008	13.6148	10.1127	11.6177	0.3892	0	0
Nitrogen Oxide	R3	11	7	21	73	10	0	0.0893	1.0652	2.3975	2.2094	2.7118	3.9165	8.3375		1.9997	0.8751	1.7359	3.693	6.2008	13.6148	10.1127	11.6177	0.3892	0	0
Nitrogen Oxide	R3	11	8	21	70	10	0	0.0905	1.0799	2.4164	2.2266	2.7353	3.9527	8.4096		2.0267	0.8832	1.7524	3.7249	6.2545	13.7326	10.2001	11.7181	0.3953	0	0
Nitrogen Oxide	R3	11	9	22	63	10	139	0.0903	1.0777	2.4139	2.2243	2.7322	3.9444	8.4001		2.0126	0.8813	1.7486	3.7207	6.2475	13.7172	10.1887	11.7005	0.3913	7.72694	12.4628
Nitrogen Oxide	R3	11	10	23	61	10	290	0.0908	1.0839	2.4205	2.2303	2.7403	3.9534	8.4251		2.0113	0.8832	1.7527	3.7318	6.2661	13.758	10.2189	11.7398	0.3901	7.74664	12.49457
Nitrogen Oxide	R3	11	11	25	57	10	272	0.0898	1.0706	2.3954	2.2063	2.7077	3.9002	8.325		1.966	0.8708	1.7287	3.6874	6.1916	13.5945	10.0975	11.6003	0.379	7.67429	12.37789
Nitrogen Oxide	R3	11	12	25	56	10	252	0.0903	1.0771	2.4036	2.2137	2.7178	3.9156	8.356		1.9775	0.8742	1.7357	3.7012	6.2146	13.6451	10.135	11.6434	0.3816	7.68642	12.39744
Nitrogen Oxide	R3	11	13	25	56	10	244	0.0903	1.0771	2.4036	2.2137	2.7178	3.9156	8.3356		1.9775	0.8742	1.7357	3.7012	6.2146	13.6451	10.135	11.6434	0.3816	7.70086	12.42074
Nitrogen Oxide	R3	11	14	26	56	10	218	0.0888	1.0597	2.3752	2.1871	2.6816	3.8508	8.2447		1.9371	0.8614	1.7105	3.6538	6.1318	13.4633	10.0025	11.4883	0.3

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:

(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.

(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Oxide	R4	1	22	18	76	10	0	0.0963	1.1506	2.4676	2.27	2.794	4.0552	8.5905		2.1279	0.9073	1.7987	3.8051	6.3891	14.0281	10.4195	11.9702	0.4211	0	0
Nitrogen Oxide	R4	1	23	18	75	10	0	0.0967	1.1553	2.4728	2.2747	2.8005	4.0652	8.6103		2.1355	0.9096	1.8033	3.8137	6.4038	14.0604	10.4435	11.9977	0.4228	0	0
Nitrogen Oxide	R4	1	24	17	76	10	0	0.0996	1.1917	2.4951	2.293	2.8253	4.1077	8.6866		2.1761	0.9197	1.8225	3.8476	6.4605	14.1849	10.536	12.104	0.4331	0	0
Nitrogen Oxide	R4	2	1	17	78	10	0	0.099	1.1826	2.4852	2.2842	2.8133	4.0889	8.6496		2.1619	0.9155	1.814	3.8312	6.433	14.1245	10.4912	12.0525	0.4299	0	0
Nitrogen Oxide	R4	2	2	17	80	10	0	0.0982	1.1737	2.4753	2.2754	2.8013	4.0702	8.6126		2.1477	0.9112	1.8055	3.8148	6.4055	14.0641	10.4463	12.001	0.4266	0	0
Nitrogen Oxide	R4	2	3	17	81	10	0	0.0978	1.1692	2.4704	2.2709	2.7953	4.0608	8.5941		2.1406	0.9091	1.8012	3.8066	6.3918	14.0339	10.4239	11.9752	0.425	0	0
Nitrogen Oxide	R4	2	4	17	82	10	0	0.0974	1.1647	2.4654	2.2666	2.7892	4.0515	8.5756		2.1335	0.9071	1.797	3.7984	6.378	14.0037	10.4014	11.9494	0.4233	0	0
Nitrogen Oxide	R4	2	5	16	83	10	0	0.1006	1.203	2.4889	2.2857	2.8153	4.0961	8.6557		2.1758	0.9177	1.8171	3.8339	6.4376	14.1346	10.4987	12.0613	0.4341	0	0
Nitrogen Oxide	R4	2	6	16	83	10	0	0.1006	1.203	2.4889	2.2857	2.8153	4.0961	8.6557		2.1758	0.9177	1.8171	3.8339	6.4376	14.1346	10.4987	12.0613	0.4341	0	0
Nitrogen Oxide	R4	2	7	16	83	10	0	0.1006	1.203	2.4889	2.2857	2.8153	4.0961	8.6557		2.1758	0.9177	1.8171	3.8339	6.4376	14.1346	10.4987	12.0613	0.4341	0	0
Nitrogen Oxide	R4	2	8	17	81	10	0	0.0978	1.1692	2.4704	2.2709	2.7953	4.0608	8.5941		2.1406	0.9091	1.8012	3.8066	6.3918	14.0339	10.4239	11.9752	0.425	0	0
Nitrogen Oxide	R4	2	9	18	77	10	139	0.0959	1.1459	2.4622	2.2653	2.7876	4.0451	8.5707		2.1204	0.905	1.7942	3.7963	6.3744	13.9958	10.3956	11.9427	0.4194	7.88698	12.72093
Nitrogen Oxide	R4	2	10	19	73	10	290	0.0942	1.1248	2.4554	2.2607	2.7814	4.0318	8.5518		2.1019	0.9016	1.7881	3.7879	6.3602	13.9648	10.3725	11.9163	0.4143	7.86601	12.68711
Nitrogen Oxide	R4	2	11	20	70	10	272	0.0924	1.1023	2.4441	2.2519	2.7696	4.0096	8.5153		2.0722	0.8963	1.7781	3.7717	6.3331	13.9052	10.3283	11.8654	0.4077	7.8527	12.66564
Nitrogen Oxide	R4	2	12	20	68	10	252	0.0932	1.1116	2.4559	2.2626	2.7842	4.0323	8.5603		2.0942	0.9014	1.7884	3.7917	6.3667	13.9788	10.383	11.9282	0.4116	7.87751	12.70566
Nitrogen Oxide	R4	2	13	21	65	10	244	0.0925	1.1042	2.4479	2.2553	2.7743	4.0132	8.5298		2.0717	0.8968	1.7798	3.7781	6.3439	13.9288	10.3458	11.8855	0.4056	7.86342	12.68293
Nitrogen Oxide	R4	2	14	21	65	10	218	0.0925	1.1042	2.4479	2.2553	2.7743	4.0132	8.5298		2.0717	0.8968	1.7798	3.7781	6.3439	13.9288	10.3458	11.8855	0.4056	7.86681	12.68841
Nitrogen Oxide	R4	2	15	21	66	10	264	0.0921	1.0994	2.4416	2.2496	2.7665	4.0011	8.5057		2.0627	0.8941	1.7743	3.7674	6.326	13.8895	10.3167	11.8521	0.4036	7.82318	12.61804
Nitrogen Oxide	R4	2	16	20	68	10	258	0.0932	1.1116	2.4559	2.2626	2.7842	4.0323	8.5603		2.0942	0.9014	1.7884	3.7917	6.3667	13.9788	10.383	11.9282	0.4116	7.89339	12.73127
Nitrogen Oxide	R4	2	17	20	70	10	282	0.0924	1.1023	2.4441	2.2519	2.7696	4.0096	8.5153		2.0722	0.8963	1.7781	3.7717	6.3331	13.9052	10.3283	11.8654	0.4077	7.84424	12.652
Nitrogen Oxide	R4	2	18	19	74	10	248	0.0938	1.1199	2.4497	2.2557	2.7746	4.0211	8.5307		2.0939	0.8992	1.7833	3.7785	6.3445	13.9304	10.3427	11.8868	0.4125	7.85971	12.6447
Nitrogen Oxide	R4	2	19	18	76	10	89	0.0963	1.1506	2.4676	2.27	2.794	4.0552	8.5905		2.1279	0.9073	1.7987	3.8051	6.3891	14.0281	10.4195	11.9702	0.4211	7.92804	12.78716
Nitrogen Oxide	R4	2	20	18	78	10	0	0.0955	1.1412	2.457	2.2606	2.7812	4.0351	8.551		2.1129	0.9028	1.7897	3.7875	6.3597	13.9636	10.3717	11.9152	0.4177	0	0
Nitrogen Oxide	R4	2	21	18	78	10	0	0.0955	1.1412	2.457	2.2606	2.7812	4.0351	8.551		2.1129	0.9028	1.7897	3.7875	6.3597	13.9636	10.3717	11.9152	0.4177	0	0
Nitrogen Oxide	R4	2	22	18	78	10	0	0.0955	1.1412	2.457	2.2606	2.7812	4.0351	8.551		2.1129	0.9028	1.7897	3.7875	6.3597	13.9636	10.3717	11.9152	0.4177	0	0
Nitrogen Oxide	R4	2	23	18	78	10	0	0.0955	1.1412	2.457	2.2606	2.7812	4.0351	8.551		2.1129	0.9028	1.7897	3.7875	6.3597	13.9636	10.3717	11.9152	0.4177	0	0
Nitrogen Oxide	R4	2	24	18	78	10	0	0.0955	1.1412	2.457	2.2606	2.7812	4.0351	8.551		2.1129	0.9028	1.7897	3.7875	6.3597	13.9636	10.3717	11.9152	0.4177	0	0
Nitrogen Oxide	R4	3	1	21	86	10	0	0.084	1.0007	2.3152	2.1349	2.6101	3.7593	8.025		1.8828	0.8398	1.6645	3.5546	5.9685	13.1047	9.7337	11.1823	0.3625	0	0
Nitrogen Oxide	R4	3	2	20	87	10	0	0.086	1.0251	2.3437	2.1606	2.6451	3.8167	8.1324		1.933	0.8529	1.6905	3.6021	6.0484	13.28	9.8639	11.3319	0.3748	0	0
Nitrogen Oxide	R4	3	3	20	87	10	0	0.086	1.0251	2.3437	2.1606	2.6451	3.8167	8.1324		1.933	0.8529	1.6905	3.6021	6.0484	13.28	9.8639	11.3319	0.3748	0	0
Nitrogen Oxide	R4	3	4	20	87	10	0	0.086	1.0251	2.3437	2.1606	2.6451	3.8167	8.1324		1.933	0.8529	1.6905	3.6021	6.0484	13.28	9.8639	11.3319	0.3748	0	0
Nitrogen Oxide	R4	3	5	20	87	10	0	0.086	1.0251	2.3437	2.1606	2.6451	3.8167	8.1324		1.933	0.8529	1.6905	3.6021	6.0484	13.28	9.8639	11.3319	0.3748	0	0
Nitrogen Oxide	R4	3	6	20	87	10	0	0.086	1.0251	2.3437	2.1606	2.6451	3.8167	8.1324		1.933	0.8529	1.6905	3.6021	6.0484	13.28	9.8639	11.3319	0.3748	0	0
Nitrogen Oxide	R4	3	7	20	87	10	0	0.086	1.0251	2.3437	2.1606	2.6451	3.8167	8.1324		1.933	0.8529	1.6905	3.6021	6.0484	13.28	9.8639	11.3319	0.3748	0	0
Nitrogen Oxide	R4	3	8	20	86	10	0	0.0863	1.0297	2.3496	2.166	2.6524	3.8281	8.1549		1.9415	0.8554	1.6957	3.6121	6.0652	13.3168	9.8912	11.3634	0.3768	0	0
Nitrogen Oxide	R4	3	9	21	83	10	139	0.0852	1.0157	2.3342	2.1521	2.6336	3.7956	8.0971		1.9097	0.8479	1.681	3.5865	6.0221	13.2224	9.8211	11.2828	0.3687	7.44723	12.01167
Nitrogen Oxide	R4	3	10	22	79	10	290	0.0845	1.0082	2.3262	2.1448	2.6238	3.777	8.0669		1.8887	0.8436	1.6726	3.5731	5.9997	13.1731	9.7845	11.2407	0.3631	7.41602	11.96132
Nitrogen Oxide	R4	3	11	22	78	10	272	0.085	1.0136	2.3329	2.151	2.6321	3.7909	8.0926		1.8982	0.8465	1.6785	3.5845	6.0187	13.2149	9.8156	11.2754	0.3653	7.45985	12.03202
Nitrogen Oxide	R4	3	12	23	77	10	252	0.0832	0.9914	2.3053	2.1259	2.5981	3.7342	7.988		1.8498	0.834	1.6532	3.5381	5.9409	13.0441	9.6886	11.1306	0.3535	7.34655	11.84928
Nitrogen Oxide	R4	3	13	23	77	10	244	0.0832	0.9914	2.3053	2.1259	2.5981	3.7342	7.988		1.8498	0.834	1.6532	3.5381	5.9409	13.0441	9.6886	11.1306	0.3535	7.36039	11.8716
Nitrogen Oxide	R4	3	14	23	77	10	218	0.0832	0.9914	2.3053	2.1259	2.5981	3.7342	7.988		1.8498	0.834	1.6532	3.5381	5.9409	13.0441	9.6886	11.1306	0.3535	7.36359	11.87676
Nitrogen Oxide	R4	3	15	23	76	10	264	0.0837	0.9973	2.3125	2.1325	2.607	3.7478	8.0152		1.8598	0.837	1.6593	3.5503	5.9612	13.0887	9.7218	11.1686	0.3558	7.36862	11.88488
Nitrogen Oxide	R4	3	16	23	77	10	258	0.0832	0.9914	2.3053	2.1259	2.5981	3.7342	7.988		1.8498	0.834	1.6532	3.5381	5.9409	13.0441	9.6886	11.1306	0.3535	7.36147	11.87334
Nitrogen Oxide	R4	3	17	22	79	10	282	0.0845	1.0082	2.3262	2.1448	2.6238	3.777	8.0669		1.8887	0.8436	1.6726	3.5731	5.9997	13.1731	9.7845	11.2407	0.3631	7.42798	11.98061
Nitrogen Oxide	R4	3	18	22	82	10	248	0.0832	0.992	2.3059	2.1265	2.5987	3.7384	7.99		1.8601	0.8349	1.6551	3.5391	5.9424	13.0475	9.6912	11.1335	0.3566	7.38855	11.83636
Nitrogen Oxide	R4	3	19	21	84	10	89	0.0847	1.0107	2.3279	2.1464	2.6258	3.7835	8.0732		1.9008	0.8452	1.6755	3.5758	6.0043	13.1832	9.792	11.2493	0.3666	7.44661	12.01067
Nitrogen Oxide	R4	3	20	21	85	10	0	0.0843	1.0057	2.3215	2.1406	2.618	3.7714	8.0491		1.8918	0.8425	1.67	3.5652	5.9864	13.144	9.7629	11.2158	0.3646	0	0
Nitrogen Oxide	R4	3	21	21	86	10	0	0.084	1.0007	2.3152	2.1349	2.6101	3.7593	8.025		1.8828	0.8398	1.6645	3.5546	5.9685	13.1047	9.7337	11.1823	0.3625	0	0
Nitrogen Oxide	R4	3	22	21	86	10	0	0.084	1.0007	2.3152	2.1349	2.6101	3.7593	8.025		1.8828	0.8398	1.6645	3.5546	5.9685	13.1047	9.7337	11.1823	0.3625	0	0
Nitrogen Oxide	R4	3	23	21	85	10	0	0.0843	1.0057	2.3215	2.1406	2.618	3.7714	8.0491		1.8918	0.8425	1.67	3.5652	5.9864	13.144	9.7629	11.2158	0.3646	0	0
Nitrogen Oxide	R4	3	24	21	86	10	0	0.084	1.0007	2.3152	2.1349	2.6101	3.7593	8.025		1.8828	0.8398	1.6645	3.5546	5.9685	13.1047	9.7337	11.1823	0.3625	0	0
Nitrogen Oxide	R4	4	1	20	83	10	0	0.0875	1.0436	2.3674	2.1821	2.6744	3.8621	8.2226		1.9669	0.8631	1.7112	3.642	6.1154	13.4271	9.9732	11.4575	0.3826	0	0
Nitrogen Oxide	R4	4	2	20	85	10	0	0.0867	1.0343	2.3555	2.1714	2.6597	3.8394	8.1775		1.9499	0.858	1.7009	3.6221	6.0818	13.3536	9.9186	11.3947	0.3787	0	0
Nitrogen Oxide	R4	4	3	20	85	10	0	0.0871	1.0389	2.3614	2.1768	2.667	3.8507	8.2		1.9585	0.8605	1.7061	3.632	6.0986	13.3904	9.9459	11.4261	0.3807	0	0
Nitrogen Oxide	R4	4	4	20	85	10	0	0.0867	1.0343	2.3555	2.1714	2.6597	3.8394	8.1775		1.9499	0.858	1.7009	3.6221	6.0818	13.3536	9.9186	11.3947	0.3787	0	0
Nitrogen Oxide	R4	4	5	19	84	10	0	0.0897	1.0703	2.3936	2.2053	2.706	3.9146	8.3197		2.014	0.8753	1.735	3.6851	6.1877	13.5858	10.091	11.5929	0.3942	0	0
Nitrogen Oxide	R4	4	6	19	84	10	0	0.0897	1.0703	2.3936	2.2053	2.706	3.9146	8.3197		2.014	0.8753	1.735	3.6851	6.1877	13.5858	10.091	11.5929	0.3942	0	0
Nitrogen Oxide	R4	4	7	20	84	10	0	0.0871	1.0389	2.3614	2.1768	2.667	3.8507	8.2		1.9585	0.8605	1.7061	3.632	6.0986	13.3904	9.9459	11.4261	0.3807	0	0
Nitrogen Oxide	R4	4	8	21	79	10	0	0.0868	1.0356	2.3595	2.1751	2.6649	3.8439	8.1932		1.9457	0.8588	1.703	3.6291	6.0936	13.3794	9.9377	11.4167	0.3769	0	0
Nitrogen Oxide	R4	4	9	22	73	10	139	0.0873	1.0405	2.3667	2.1815	2.6738	3.8542	8.2207		1.9459	0.861	1.7077	3.6412	6.114	13.4242	9.9711	11.455	0.3761	7.56101	12.19518
Nitrogen Oxide	R4	4	10	23	69	10	290	0.087	1.0373	2.3611	2.1781	2.6692	3.8438	8.2065		1.9308	0.8586	1.7029	3.6035	6.1035	13.4011	9.9539	11.4182	0.3753	7.54457	12.16867
Nitrogen Oxide	R4	4	11	23	68	10	272	0.0875	1.0438	2.3702	2.1847	2.6781	3.8575	8.2339		1.9406	0.8617	1.7091	3.6471	6.1238	13.4456	9.9869	11.4732	0.3741	7.59031	12.24244
Nitrogen Oxide	R4	4	12	24	66	10	252	0.0865	1.0324	2.3537	2.1695	2.6575	3.8228	8.1705		1.9085	0.8539	1.6934	3.619	6.0767	13.3422	9.9102	11.385	0.366	7.51489	12.1208
Nitrogen Oxide	R4	4	13	24	65	10	244	0.0871	1.0387	2.3614	2.1764	2.667	3.8373	8.1997		1.9192	0.8571	1.7	3.6319	6.0983	13.3698	9.9454	11.4255	0.3685	7.55607	12.18721
Nitrogen Oxide	R4	4	14	24	66	10	218	0.0865	1.0324	2.3537	2.1695	2.6575	3.8228	8.1705		1.9085	0.8539	1.6934	3.619	6.0767	13.3422	9.9102	11.385	0.366	7.53231	12.14888
Nitrogen Oxide	R4	4	15	24	66	10	264	0.0865	1.0324	2.3537	2.1695	2.6575	3.8228	8.1705		1.9085	0.8539	1.6934	3.619	6.0767	13.3422	9.9102	11.385	0.366	7.51176	12.11574
Nitrogen Oxide	R4	4	16	24	67	10	258	0.0861	1.0261	2.346	2.1625	2.648	3.8082	8.1414		1.8978	0.8506	1.6869	3.6061	6.055	13.2947	9.8748	11.3444	0.3637	7.50318	12.1019
Nitrogen Oxide	R4	4	17	23	69	10	282	0.087	1.038	2.363	2.1781	2.6692	3.8438	8.2065		1.9306	0.8586	1.7029	3.635	6.1035	13.4011	9.9538	11.4352	0.3718	7.55674	12.18828
Nitrogen Oxide	R4	4	18	22	74	10	248	0.0868	1.0351	2.3599	2.1754	2.6655	3.8415	8.1951		1.9363	0.858	1.7018	3.6299	6.095	13.3823	9.9399	11.4193	0.3739	7.52802	12.14196
Nitrogen Oxide	R4	4	19	22	76	10	89	0.0859	1.0244	2.3464	2.1632	2.6488	3.8157	8.1438		1.9173	0.8523	1.6902	3.6072	6.0569	13.2987	9.8778	11.3478	0.3695	7.51161	12.11549
Nitrogen Oxide	R4	4	20	21	79	10	0	0.0868	1.0356	2.3595	2.1751	2.6649	3.8439	8.1932		1.9452	0.8588	1.703	3.6291	6.0936	13.3794	9.9377	11.4167	0.3769	0	0
Nitrogen Oxide	R4	4	21	21	80	10	0	0.0864	1.0306	2.3527	2.1693	2.6571	3.8318	8.1693		1.9368	0.8561	1.6974	3.6184	6.0758	13.3401	9.9086	11.3853	0.3748	0	0
Nitrogen Oxide	R4	4	22	21	81	10	0	0.0861	1.0257	2.3469	2.1635	2.6492	3.8198	8.1452		1.9278	0.8534	1.6919	3.6078	6.0579	13.3009	9.8794	11.3497	0.3728	0	0
Nitrogen Oxide	R4	4	23	21	82	10	0	0.0856	1.0207	2.3405	2.1579	2.6415	3.8077	8.1212		1.9187	0.8507	1.6864	3.5972	6.0401	13.2617	9.8503	11.3163	0.3708	0	0
Nitrogen Oxide	R4	4	24	20	82	10	0	0.0879	1.0481	2.3732	2.1875	2.6817	3.8735	8.245		1.9754	0.8656	1.7163	3.652	6.1322	13.4639	10.0006	11.4889	0.3845	0	0
Nitrogen Oxide	R4	5	1	26	91	10	0	0.0676	0.8045	2.0695	1.9117	2.306	3.2816	7.0901		1.5122	0.7317	1.4478	3.1405	5.2732	11.578	8.5997	9.8795	0.2764	0	0
Nitrogen Oxide	R4	5	2	25	92	10	0	0.07	0.833	2.1084	1.9476	2.3549	3.3568	7.2401		1.5668	0.7588	1.4819	3.2069	5.3848	11.8229	8.7817	10.0885	0.2887	0	0
Nitrogen Oxide	R4	5	3	25	92	10	0	0.07	0.833	2.1084	1.9476	2.3549	3.3568	7.2401		1.5668	0.7488	1.4819	3.2069	5.3848	11.8229	8.7817	10.0885	0.2887	0	0
Nitrogen Oxide	R4	5	4	25	91	10	0	0.0707	0.84	2.1166	1.9549	2.3649	3.3723	7.2711		1.5783	0.7522	1.4889	3.2206	5.4078	11.8735	8.8192	10.1317	0.2913	0	0
Nitrogen Oxide	R4	5	5	25	92	10	0	0.07	0.833	2.1084	1.9476	2.3549	3.3568	7.2401		1.5668	0.7488	1.4819	3.2069	5.3848	11.8229	8.7817	10.0885	0.2887	0	0
Nitrogen Oxide	R4	5	6	25	93	10	0	0.0694	0.8262	2.1002	1.9401	2.3448	3.3412	7.2091		1.5554	0.7453	1.4748	3.1932	5.3616	11.7723	8.744	10.0454	0.2861	0	0
Nitrogen Oxide	R4	5	7	26	91	10	0	0.0676	0.8045	2.0695	1.9117	2.306	3.2816	7.0901		1.5122	0.7317	1.4478	3.1405	5.2732	11.578	8.5997	9.8795	0.2764	0	0
Nitrogen Oxide	R4	5	8	27	89	10	0	0.0686	0.8154	2.0756	1.9165	2.3135	3.2916	7.1101		1.5199	0.7338	1.4525	3.1492	5.2879	11.6104	8.6258	9.9073	0.2782	0	0
Nitrogen Oxide	R4	5	9	28	80	10	139	0.0693	0.8247	2.0766	1.9163	2.3122	3.2912	7.1092		1.5201	0.7336	1.4524	3.1489	5.2873	11.609	8.6228	9.9061	0.2782	6.53238	10.5361
Nitrogen Oxide	R4	5	10	28	78	10	290	0.0708	0.8418	2.0963	1.9341	2.3365	3.3286	7.1837		1.5476	0.742	1.4693	3.1819	5.3428	11.7308	8.7132	10.0099	0.2843	6.59879	10.64321
Nitrogen Oxide	R4	5	11	29	77	10	272	0.069	0.8203	2.0601	1.9004	2.2907	3.2578	7.0427		1.4961	0.7263	1.4372	3.1194	5.2378	11.5005	8.5422	9.8134	0.2727	6.4861	10.46145
Nitrogen Oxide	R4	5	12	29	75	10	252	0.0705	0.8384	2.0812	1.9193	2.3164	3.2975	7.1219		1.5253	0.7352	1.4553	3.1545	5.2968	11.6298	8.6382	9.9238	0.2793	6.5452	10.55678
Nitrogen Oxide	R4	5	13	29	74	10	244	0.0712	0.8475	2.0917	1.9288	2.3293	3.3174	7.1615		1.5399	0.7396	1.4643	3.172	5.3263	11.6945	8.6863	9.9789	0.2826	6.59434	10.63603
Nitrogen Oxide	R4	5	14	29	74	10	218	0.0705	0.8384	2.0812	1.9193	2.3164	3.2975	7.1219		1.5253	0.7352	1.4553	3.1545	5.2968	11.6298	8.6382	9.9238	0.2793	6.56052	10.58148
Nitrogen Oxide	R4	5	15	29	75	10	264	0.0705	0.8384	2.0812	1.9193	2.3164	3.2975	7.1219		1.5253	0.7352	1.4553	3.1545	5.2968	11.6298	8.6382	9.9238	0.2793	6.54245	10.55233
Nitrogen Oxide	R4	5	16	29	77	10	258	0.069	0.8203	2.0601	1.9004	2.2907	3.2578	7.0427		1.4961	0.7263	1.4372	3.1194	5.2378	11.5005	8.5422	9.8134	0.2727	6.48523	10.46006
Nitrogen Oxide	R4	5	17	28	78	10	282	0.0708	0.8418	2.0963	1.9341	2.3365	3.3286	7.1837		1.5476	0.742	1.4693	3.1819	5.3428	11.7308	8.7132	10.0099	0.2843	6.60954	10.66054
Nitrogen Oxide	R4	5	18	28	81	10	248	0.0687	0.8167	2.0667	1.9073	2.3002	3.2725	7.0718		1.5064	0.7294	1.4439	3.1324	5.2596	11.5481	8.5773	9.8543	0.275	6.48965	10.46718
Nitrogen Oxide	R4	5	19	27	84	10	89	0.0693	0.8231	2.0848	1.9248	2.3239	3.3092	7.1451		1.5329	0.7377	1.4604	3.1648	5.3174	11.6678	8.6664	9.9261

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:

(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.

(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Oxide	R4	8	3	26	91	10	0	0.0676	0.8045	2.0695	1.9117	2.306	3.2816	7.0901		1.5122	0.7317	1.4478	3.1405	5.2732	11.578	8.5997	9.8795	0.2764	0	0
Nitrogen Oxide	R4	8	4	26	92	10	0	0.0671	0.7973	2.0607	1.9038	2.2953	3.2651	7.0571		1.5	0.7279	1.4403	3.1259	5.2486	11.5241	8.5597	9.8336	0.2736	0	0
Nitrogen Oxide	R4	8	5	26	93	10	0	0.0665	0.7902	2.0519	1.896	2.2846	3.2486	7.0242		1.4879	0.7242	1.4329	3.1112	5.2241	11.4702	8.5197	9.7877	0.2708	0	0
Nitrogen Oxide	R4	8	6	26	94	10	0	0.0659	0.7829	2.0433	1.8881	2.2739	3.2321	6.9912		1.4737	0.7205	1.4254	3.0966	5.1996	11.4164	8.4797	9.7417	0.2681	0	0
Nitrogen Oxide	R4	8	7	26	93	10	0	0.0665	0.7902	2.0519	1.896	2.2846	3.2486	7.0242		1.4879	0.7242	1.4329	3.1112	5.2241	11.4702	8.5197	9.7877	0.2708	0	0
Nitrogen Oxide	R4	8	8	27	87	10	0	0.0673	0.7999	2.057	1.8997	2.2898	3.2565	7.0398		1.4941	0.7259	1.4364	3.1182	5.2358	11.4959	8.5387	9.8095	0.2723	0	0
Nitrogen Oxide	R4	8	9	29	81	10	139	0.0659	0.7841	2.018	1.8626	2.2391	3.1785	6.8843		1.4377	0.7084	1.4012	3.0493	5.1201	11.2418	8.35	9.5927	0.2595	6.32443	10.2007
Nitrogen Oxide	R4	8	10	30	76	10	290	0.0673	0.7998	2.0229	1.8657	2.2434	3.1852	6.8975		1.4431	0.7103	1.4043	3.0551	5.1298	11.2633	8.366	9.6113	0.2607	6.33425	10.21654
Nitrogen Oxide	R4	8	11	30	73	10	272	0.0696	0.8288	2.0564	1.8958	2.2844	3.2483	7.0235		1.4896	0.7245	1.433	3.111	5.2237	11.4692	8.5189	9.7868	0.2712	6.46832	10.43278
Nitrogen Oxide	R4	8	12	30	73	10	252	0.0696	0.8288	2.0564	1.8958	2.2844	3.2483	7.0235		1.4896	0.7245	1.433	3.111	5.2237	11.4692	8.5189	9.7868	0.2712	6.45422	10.41004
Nitrogen Oxide	R4	8	13	30	74	10	244	0.0689	0.8192	2.0452	1.8859	2.2707	3.2273	6.9815		1.4741	0.7197	1.4235	3.0923	5.1924	11.4006	8.468	9.7282	0.2677	6.4276	10.3671
Nitrogen Oxide	R4	8	14	30	74	10	218	0.0689	0.8192	2.0452	1.8859	2.2707	3.2273	6.9815		1.4741	0.7197	1.4235	3.0923	5.1924	11.4006	8.468	9.7282	0.2677	6.43042	10.37165
Nitrogen Oxide	R4	8	15	30	75	10	264	0.068	0.8095	2.0341	1.8758	2.2571	3.2062	6.9394		1.4586	0.7149	1.4138	3.0738	5.1612	11.332	8.417	9.6697	0.2642	6.37376	10.28026
Nitrogen Oxide	R4	8	16	29	77	10	258	0.069	0.8203	2.0601	1.9004	2.2907	3.2578	7.0427		1.4961	0.7263	1.4372	3.1194	5.2378	11.5005	8.5422	9.8134	0.2727	6.48523	10.46006
Nitrogen Oxide	R4	8	17	29	79	10	282	0.0674	0.8019	2.039	1.8915	2.2648	3.2182	6.9635		1.4669	0.7174	1.4192	3.0844	5.179	11.3711	8.4461	9.7031	0.2661	6.40569	10.33176
Nitrogen Oxide	R4	8	18	28	80	10	248	0.0693	0.8247	2.0766	1.9163	2.3122	3.2912	7.1092		1.5201	0.7336	1.4524	3.1489	5.2873	11.609	8.6228	9.9061	0.2782	6.52418	10.52288
Nitrogen Oxide	R4	8	19	28	82	10	89	0.068	0.8085	2.0568	1.8985	2.288	3.2538	7.0346		1.4926	0.7253	1.4353	3.1158	5.2319	11.4873	8.5324	9.8022	0.2719	6.48235	10.4554
Nitrogen Oxide	R4	8	20	28	84	10	0	0.0667	0.7922	2.0371	1.8806	2.2638	3.2165	6.96		1.4652	0.7168	1.4184	3.0828	5.1764	11.3654	8.4419	9.6982	0.2657	0	0
Nitrogen Oxide	R4	8	21	27	85	10	0	0.0686	0.8154	2.0756	1.9165	2.3125	3.2916	7.1101		1.5199	0.7338	1.4525	3.1492	5.2879	11.6104	8.6238	9.9073	0.2782	0	0
Nitrogen Oxide	R4	8	22	27	87	10	0	0.0673	0.7999	2.057	1.8997	2.2898	3.2565	7.0398		1.4941	0.7259	1.4364	3.1182	5.2358	11.4959	8.5387	9.8095	0.2723	0	0
Nitrogen Oxide	R4	8	23	27	87	10	0	0.0667	0.7921	2.0477	1.8913	2.2783	3.2389	7.0047		1.4813	0.7218	1.4285	3.1026	5.2097	11.4386	8.4961	9.7607	0.2693	0	0
Nitrogen Oxide	R4	8	24	27	89	10	0	0.066	0.7843	2.0384	1.883	2.2669	3.2214	6.9697		1.4683	0.7179	1.4205	3.0871	5.1836	11.3813	8.4536	9.7118	0.2664	0	0
Nitrogen Oxide	R4	9	1	27	89	10	0	0.066	0.7843	2.0384	1.883	2.2669	3.2214	6.9697		1.4683	0.7179	1.4205	3.0871	5.1836	11.3813	8.4536	9.7118	0.2664	0	0
Nitrogen Oxide	R4	9	2	26	89	10	0	0.0689	0.8189	2.0869	1.9274	2.3276	3.3147	7.1561		1.5364	0.739	1.4628	3.1697	5.3223	11.6857	8.6797	9.9715	0.2819	0	0
Nitrogen Oxide	R4	9	3	26	91	10	0	0.0676	0.8045	2.0695	1.9117	2.306	3.2816	7.0901		1.5122	0.7317	1.4478	3.1405	5.2732	11.578	8.5997	9.8795	0.2764	0	0
Nitrogen Oxide	R4	9	4	26	92	10	0	0.0671	0.7973	2.0607	1.9038	2.2953	3.2651	7.0571		1.5	0.7279	1.4403	3.1259	5.2486	11.5241	8.5597	9.8336	0.2736	0	0
Nitrogen Oxide	R4	9	5	26	92	10	0	0.0671	0.7973	2.0607	1.9038	2.2953	3.2651	7.0571		1.5	0.7279	1.4403	3.1259	5.2486	11.5241	8.5597	9.8336	0.2736	0	0
Nitrogen Oxide	R4	9	6	26	93	10	0	0.0665	0.7902	2.0519	1.896	2.2846	3.2486	7.0242		1.4879	0.7242	1.4329	3.1112	5.2241	11.4702	8.5197	9.7877	0.2708	0	0
Nitrogen Oxide	R4	9	7	26	93	10	0	0.0665	0.7902	2.0519	1.896	2.2846	3.2486	7.0242		1.4879	0.7242	1.4329	3.1112	5.2241	11.4702	8.5197	9.7877	0.2708	0	0
Nitrogen Oxide	R4	9	8	27	88	10	0	0.0667	0.7921	2.0477	1.8913	2.2783	3.2389	7.0047		1.4813	0.7218	1.4285	3.1026	5.2097	11.4386	8.4961	9.7607	0.2693	0	0
Nitrogen Oxide	R4	9	9	28	83	10	139	0.0674	0.8004	2.047	1.8886	2.2759	3.2351	6.9973		1.4789	0.721	1.4269	3.0993	5.2041	11.4264	8.4871	9.7502	0.2689	6.42891	10.36921
Nitrogen Oxide	R4	9	10	29	78	10	290	0.0682	0.8111	2.0496	1.891	2.2777	3.2861	7.0003		1.4816	0.7219	1.4282	3.1019	5.2084	11.4358	8.4941	9.7582	0.2694	6.43177	10.37383
Nitrogen Oxide	R4	9	11	29	76	10	272	0.0697	0.8293	2.0706	1.9099	2.3035	3.2777	7.0823		1.5108	0.7307	1.4463	3.137	5.2673	11.5651	8.5902	9.8686	0.2761	6.5228	10.52065
Nitrogen Oxide	R4	9	12	29	76	10	252	0.0697	0.8293	2.0706	1.9099	2.3035	3.2777	7.0823		1.5108	0.7307	1.4463	3.137	5.2673	11.5651	8.5902	9.8686	0.2761	6.50859	10.49773
Nitrogen Oxide	R4	9	13	30	75	10	244	0.068	0.8095	2.0341	1.8758	2.2571	3.2062	6.9394		1.4586	0.7149	1.4138	3.0738	5.1612	11.332	8.417	9.6697	0.2642	6.3886	10.30419
Nitrogen Oxide	R4	9	14	29	75	10	218	0.0705	0.8384	2.0812	1.9193	2.3164	3.2975	7.1219		1.5253	0.7352	1.4553	3.1545	5.2968	11.6298	8.6382	9.9238	0.2793	6.56052	10.58148
Nitrogen Oxide	R4	9	15	29	77	10	264	0.069	0.8203	2.0601	1.9004	2.2907	3.2578	7.0427		1.4961	0.7263	1.4372	3.1194	5.2378	11.5005	8.5422	9.8134	0.2727	6.46923	10.43424
Nitrogen Oxide	R4	9	16	29	76	10	258	0.0697	0.8293	2.0706	1.9099	2.3035	3.2777	7.0823		1.5108	0.7307	1.4463	3.137	5.2673	11.5651	8.5902	9.8686	0.2761	6.52193	10.51925
Nitrogen Oxide	R4	9	17	29	78	10	282	0.0682	0.8111	2.0496	1.891	2.2777	3.2381	7.003		1.4816	0.7219	1.4282	3.1019	5.2084	11.4358	8.4941	9.7582	0.2694	6.44227	10.39076
Nitrogen Oxide	R4	9	18	28	81	10	248	0.0687	0.8167	2.0667	1.9073	2.3002	3.2725	7.0718		1.5064	0.7294	1.4439	3.1324	5.2596	11.5481	8.5775	9.8541	0.275	6.48965	10.46718
Nitrogen Oxide	R4	9	19	27	84	10	89	0.0693	0.8231	2.0848	1.9248	2.3239	3.3092	7.1451		1.5329	0.7377	1.4604	3.1648	5.314	11.6678	8.6664	9.9561	0.281	6.5848	10.62065
Nitrogen Oxide	R4	9	20	27	86	10	0	0.0679	0.8076	2.0663	1.9081	2.3011	3.2741	7.0749		1.5071	0.7298	1.4445	3.1338	5.2619	11.5532	8.5813	9.8584	0.2752	0	0
Nitrogen Oxide	R4	9	21	27	87	10	0	0.0673	0.7999	2.057	1.8997	2.2898	3.2565	7.0398		1.4941	0.7259	1.4364	3.1182	5.2358	11.4959	8.5387	9.8095	0.2723	0	0
Nitrogen Oxide	R4	9	22	27	89	10	0	0.066	0.7843	2.0384	1.883	2.2669	3.2214	6.9697		1.4683	0.7179	1.4205	3.0871	5.1836	11.3813	8.4536	9.7118	0.2664	0	0
Nitrogen Oxide	R4	9	23	27	89	10	0	0.066	0.7843	2.0384	1.883	2.2669	3.2214	6.9697		1.4683	0.7179	1.4205	3.0871	5.1836	11.3813	8.4536	9.7118	0.2664	0	0
Nitrogen Oxide	R4	9	24	26	89	10	0	0.0689	0.8189	2.0869	1.9274	2.3276	3.3147	7.1561		1.5364	0.739	1.4628	3.1697	5.3223	11.6857	8.6797	9.9715	0.2819	0	0
Nitrogen Oxide	R4	10	1	24	74	10	0	0.0824	0.9821	2.2922	2.1139	2.5817	3.7061	7.9376		1.8229	0.8277	1.6404	3.5158	5.9035	12.962	9.6276	11.0605	0.3467	0	0
Nitrogen Oxide	R4	10	2	23	74	10	0	0.0846	1.009	2.3269	2.1455	2.6247	3.7753	8.07		1.88	0.8432	1.6718	3.5745	6.0019	13.1779	9.7881	11.2448	0.3603	0	0
Nitrogen Oxide	R4	10	3	23	74	10	0	0.0846	1.009	2.3269	2.1455	2.6247	3.7753	8.07		1.88	0.8432	1.6718	3.5745	6.0019	13.1779	9.7881	11.2448	0.3603	0	0
Nitrogen Oxide	R4	10	4	23	60	10	0	0.0842	1.0031	2.3198	2.139	2.6159	3.7615	8.0426		1.8699	0.8401	1.6656	3.5623	5.9815	13.1333	9.7549	11.2067	0.3581	0	0
Nitrogen Oxide	R4	10	5	23	74	10	0	0.0846	1.009	2.3269	2.1455	2.6247	3.7753	8.07		1.88	0.8432	1.6718	3.5745	6.0019	13.1779	9.7881	11.2448	0.3603	0	0
Nitrogen Oxide	R4	10	6	23	75	10	0	0.0842	1.0031	2.3198	2.139	2.6159	3.7615	8.0426		1.8699	0.8401	1.6656	3.5623	5.9815	13.1333	9.7549	11.2067	0.3581	0	0
Nitrogen Oxide	R4	10	7	23	75	10	0	0.0842	1.0031	2.3198	2.139	2.6159	3.7615	8.0426		1.8699	0.8401	1.6656	3.5623	5.9815	13.1333	9.7549	11.2067	0.3581	0	0
Nitrogen Oxide	R4	10	8	23	72	10	0	0.0856	1.0206	2.3414	2.1585	2.6425	3.8027	8.1246		1.9003	0.8494	1.6842	3.5986	6.0426	13.2672	9.8543	11.3209	0.3649	0	0
Nitrogen Oxide	R4	10	9	24	69	10	139	0.085	1.0136	2.3306	2.1486	2.6291	3.7779	8.0832		1.8764	0.844	1.6756	3.5803	6.0117	13.1996	9.8042	11.2633	0.3598	7.43293	11.98859
Nitrogen Oxide	R4	10	10	25	64	10	290	0.0859	1.0242	2.3381	2.1545	2.6372	3.7915	8.108		1.8862	0.8464	1.6793	3.5913	6.0302	13.2401	9.8344	11.298	0.361	7.45308	12.0211
Nitrogen Oxide	R4	10	11	26	61	10	272	0.086	1.0248	2.3317	2.1478	2.628	3.7773	8.0797		1.8764	0.8428	1.673	3.5788	6.0092	13.1939	9.8	11.2585	0.3588	7.44699	12.01128
Nitrogen Oxide	R4	10	12	27	60	10	252	0.0849	1.0124	2.3083	2.1257	2.5978	3.7309	7.987		1.8429	0.8322	1.6519	3.5377	5.9402	13.0426	9.6876	11.1293	0.3512	7.34521	11.84711
Nitrogen Oxide	R4	10	13	27	59	10	244	0.0855	1.0199	2.3176	2.134	2.6092	3.7484	8.0221		1.8559	0.8362	1.66	3.5533	5.9664	13.0998	9.7301	11.1782	0.3542	7.39155	11.92186
Nitrogen Oxide	R4	10	14	27	59	10	218	0.0855	1.0199	2.3176	2.134	2.6092	3.7484	8.0221		1.8559	0.8362	1.66	3.5533	5.9664	13.0998	9.7301	11.1782	0.3542	7.39477	11.92704
Nitrogen Oxide	R4	10	15	27	60	10	264	0.0849	1.0071	2.3083	2.1257	2.5978	3.7309	7.987		1.8429	0.8322	1.6519	3.5377	5.9402	13.0426	9.6876	11.1293	0.3512	7.34214	11.84193
Nitrogen Oxide	R4	10	16	27	62	10	258	0.0836	0.9967	2.2897	2.1089	2.575	3.6957	7.9169		1.8171	0.8244	1.636	3.5066	5.888	12.928	9.6025	11.0313	0.3453	7.29517	11.76641
Nitrogen Oxide	R4	10	17	26	65	10	282	0.0835	0.9955	2.2967	2.1163	2.585	3.7112	7.9478		1.8279	0.828	1.6429	3.5203	5.9111	12.9785	9.6399	11.0746	0.3478	7.31682	11.80132
Nitrogen Oxide	R4	10	18	25	67	10	248	0.0843	1.0038	2.3136	2.1324	2.6069	3.7449	8.0151		1.852	0.8359	1.6582	3.5501	5.9611	13.0083	9.7216	11.1684	0.3533	7.3608	11.87225
Nitrogen Oxide	R4	10	19	25	69	10	89	0.0831	0.9903	2.2972	2.1176	2.5868	3.7139	7.9531		1.8291	0.8289	1.644	3.5226	5.915	12.9871	9.6464	11.082	0.3481	7.33389	11.82886
Nitrogen Oxide	R4	10	20	25	70	10	0	0.082	0.9766	2.2808	2.1028	2.5666	3.6828	7.891		1.8063	0.822	1.63	3.4952	5.8688	12.8858	9.5711	10.9982	0.343	0	0
Nitrogen Oxide	R4	10	21	24	71	10	0	0.084	1.0011	2.3152	2.1348	2.6102	3.7499	8.025		1.855	0.8375	1.6604	3.5545	5.9685	13.1045	9.7336	11.1822	0.354	0	0
Nitrogen Oxide	R4	10	22	24	71	10	0	0.084	1.0011	2.3152	2.1348	2.6102	3.7499	8.025		1.855	0.8375	1.6604	3.5545	5.9685	13.1045	9.7336	11.1822	0.354	0	0
Nitrogen Oxide	R4	10	23	24	72	10	0	0.0835	0.9948	2.3076	2.1278	2.6006	3.7353	7.9959		1.8443	0.8343	1.6537	3.5416	5.9468	13.057	9.6983	11.1416	0.3515	0	0
Nitrogen Oxide	R4	10	24	24	72	10	0	0.0835	0.9948	2.3076	2.1278	2.6006	3.7353	7.9959		1.8443	0.8343	1.6537	3.5416	5.9468	13.057	9.6983	11.1416	0.3515	0	0
Nitrogen Oxide	R4	11	1	21	75	10	0	0.0885	1.0554	2.3848	2.198	2.6962	3.8923	8.2894		1.9817	0.8696	1.7249	3.6716	6.1651	13.5364	10.0544	11.5507	0.3851	0	0
Nitrogen Oxide	R4	11	2	21	74	10	0	0.0889	1.0603	2.3911	2.2037	2.7039	3.9044	8.3134		1.9907	0.8723	1.7304	3.6823	6.183	13.5757	10.0835	11.5841	0.3871	0	0
Nitrogen Oxide	R4	11	3	21	74	10	0	0.0889	1.0603	2.3911	2.2037	2.7039	3.9044	8.3134		1.9907	0.8723	1.7304	3.6823	6.183	13.5757	10.0835	11.5841	0.3871	0	0
Nitrogen Oxide	R4	11	4	21	74	10	0	0.0889	1.0603	2.3911	2.2037	2.7039	3.9044	8.3134		1.9907	0.8723	1.7304	3.6823	6.183	13.5757	10.0835	11.5841	0.3871	0	0
Nitrogen Oxide	R4	11	5	21	74	10	0	0.0889	1.0603	2.3911	2.2037	2.7039	3.9044	8.3134		1.9907	0.8723	1.7304	3.6823	6.183	13.5757	10.0835	11.5841	0.3871	0	0
Nitrogen Oxide	R4	11	6	21	73	10	0	0.0893	1.0652	2.3975	2.2094	2.7118	3.9165	8.3375		1.9997	0.8751	1.7359	3.693	6.2008	13.6148	10.1127	11.6177	0.3892	0	0
Nitrogen Oxide	R4	11	7	21	73	10	0	0.0893	1.0652	2.3975	2.2094	2.7118	3.9165	8.3375		1.9997	0.8751	1.7359	3.693	6.2008	13.6148	10.1127	11.6177	0.3892	0	0
Nitrogen Oxide	R4	11	8	21	70	10	0	0.0905	1.0799	2.4164	2.2266	2.7353	3.9527	8.4096		2.0267	0.8832	1.7524	3.7249	6.2545	13.7326	10.2001	11.7181	0.3953	0	0
Nitrogen Oxide	R4	11	9	22	66	10	139	0.0903	1.0777	2.4139	2.2243	2.7322	3.9444	8.4001		2.0126	0.8813	1.7486	3.7207	6.2475	13.7172	10.1887	11.7035	0.3913	7.72694	12.4628
Nitrogen Oxide	R4	11	10	23	61	10	290	0.0908	1.0839	2.4205	2.2303	2.7403	3.9534	8.4251		2.0113	0.8832	1.7527	3.7318	6.2661	13.758	10.2189	11.7398	0.3901	7.74664	12.49457
Nitrogen Oxide	R4	11	11	25	57	10	272	0.0898	1.0706	2.3954	2.2063	2.7077	3.9002	8.325		1.966	0.8708	1.7287	3.6874	6.1916	13.5945	10.0975	11.6003	0.379	7.67429	12.37789
Nitrogen Oxide	R4	11	12	25	56	10	252	0.0903	1.0771	2.4036	2.2137	2.7178	3.9156	8.356		1.9775	0.8742	1.7357	3.7012	6.2146	13.6451	10.1351	11.6434	0.3816	7.68642	12.39744
Nitrogen Oxide	R4	11	13	25	56	10	244	0.0903	1.0771	2.4036	2.2137	2.7178	3.9156	8.356		1.9775	0.8742	1.7357	3.7012	6.2146	13.6451	10.1351	11.6434	0.3816	7.70086	12.42074
Nitrogen Oxide	R4	11	14	26	56	10	218	0.0888	1.0597	2.3752	2.1871	2.6816	3.8598	8.2447		1.9371	0.8614	1.7105	3.6518	6.1318	13.4633	10	11.4883	0.3725	7.60104	12.25975
Nitrogen Oxide	R4	11	15	26	57	10	264	0.0882	1.0528	2.3666	2.1793	2.6708	3.8434	8.2116		1.925	0.8576	1.703	3.6372	6.1072	13.4094	9.96	11.4423	0.3697	7.54975	12.17702
Nitrogen Oxide	R4	11	16	25	58	10	258	0.0892	1.0642	2.3873	2.1989	2.6976	3.8846	8.294		1.9546	0.8673	1.7216	3.6737	6.1685	13.5439	10.0599	11.5571	0.3765	7.64455	12.32992
Nitrogen Oxide	R4	11	17	24	63	10	282	0.0881	1.0511	2.3768	2.1903	2.6859	3.8645	8.2578		1.9406	0.8638	1.7133	3.6577	6.1416	13.4848	10.016	11.5067	0.3734	7.60378	12.26416
Nitrogen Oxide	R4	11	18	23	66	10	248	0.0884	1.0552	2.3846	2.1977	2.6959	3.8849	8.2885		1.9608	0.8678	1.7216	3.6713	6.1645	13.5348	10.0532	11.5494	0.3787	7.61375	12.28025
Nitrogen Oxide	R4	11	19	23	66	10	89	0.0865	1.0322	2.3558	2.1715	2.6603	3.83	8.1792		1.9205	0.8555	1.6967	3.6228	6.0831	13.3564	9.9206	11.3971	0.3695	7.54392	12.16762
Nitrogen Oxide	R4	11	20	22	70	10	0	0.0886	1.0565	2.3869	2.1999	2.6988	3.8929	8.2976		1.9745	0.8697	1.7252	3.6753	6.1713	13.5498	10.0642	11.5621	0.3826	0	0
Nitrogen Oxide	R4	11	21	22	72	10	0	0.0877	1.0458	2.3734	2.1876	2.6821	3.8671	8.2464		1.9554	0.8639	1.7135	3.6525	6.1331	13.466	10.0021	11.4907	0.3783	0	0
Nitrogen Oxide	R4	11	22	22	74	10	0	0.0868	1.0351	2.3599	2.1754	2.6655	3.8415	8.1951		1.9363	0.858	1.7018	3.6299	6.095	13.3823	9.9399	11.4193	0.3739	0	0
Nitrogen Oxide	R4	11	23	22	74	10	0	0.0868	1.0351	2.3599	2.1754	2.6655	3.8415	8.1951		1.9363	0.858	1.7018	3.6299	6.095	13.3823	9.9399	11.4193	0.3739	0	0
Nitrogen Oxide	R4	11	24	21	74	10	0	0.0889	1.0603	2.3911	2.2037	2.7039	3.9044	8.3134		1.9907	0.8723	1.7304	3.6823	6.183	13.5757

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:

(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.

(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Oxide	R5	2	8	17	81	10	0	0.0978	1.1692	2.4704	2.2709	2.7953	4.0608	8.5941		2.1406	0.9091	1.8012	3.8066	6.3918	14.0339	10.4239	11.9752	0.425	0	0
Nitrogen Oxide	R5	2	9	18	77	10	139	0.0959	1.1459	2.4622	2.2653	2.7876	4.0451	8.5707		2.1204	0.905	1.7942	3.7963	6.3744	13.9958	10.3956	11.9427	0.4194	7.88698	12.72093
Nitrogen Oxide	R5	2	10	19	73	10	290	0.0942	1.1248	2.4554	2.2607	2.7814	4.0318	8.5518		2.1019	0.9016	1.7881	3.7879	6.3602	13.9648	10.3725	11.9163	0.4143	7.86601	12.68711
Nitrogen Oxide	R5	2	11	20	70	10	272	0.0924	1.1023	2.4441	2.2519	2.7696	4.0096	8.5133		2.0773	0.8963	1.7781	3.7717	6.3331	13.9052	10.3283	11.8654	0.4077	7.8527	12.66564
Nitrogen Oxide	R5	2	12	20	68	10	252	0.0932	1.1116	2.4559	2.2626	2.7842	4.0323	8.5603		2.0942	0.9014	1.7884	3.7917	6.3667	13.9788	10.383	11.9282	0.4116	7.87751	12.70566
Nitrogen Oxide	R5	2	13	21	65	10	244	0.0925	1.1042	2.4479	2.2553	2.7743	4.0132	8.5298		2.0717	0.8968	1.7798	3.7781	6.3439	13.9288	10.3458	11.8855	0.4056	7.86342	12.68293
Nitrogen Oxide	R5	2	14	21	65	10	218	0.0925	1.1042	2.4479	2.2553	2.7743	4.0132	8.5298		2.0717	0.8968	1.7798	3.7781	6.3439	13.9288	10.3458	11.8855	0.4056	7.86681	12.68341
Nitrogen Oxide	R5	2	15	21	66	10	264	0.0921	1.0994	2.4416	2.2496	2.7665	4.0011	8.5057		2.0627	0.8941	1.7743	3.7674	6.326	13.8895	10.3167	11.8523	0.4036	7.82318	12.61804
Nitrogen Oxide	R5	2	16	20	68	10	258	0.0932	1.1116	2.4559	2.2626	2.7842	4.0323	8.5603		2.0942	0.9014	1.7884	3.7917	6.3667	13.9788	10.383	11.9282	0.4116	7.89339	12.73127
Nitrogen Oxide	R5	2	17	20	70	10	282	0.0924	1.1023	2.4441	2.2519	2.7696	4.0096	8.5133		2.0772	0.8963	1.7781	3.7717	6.3331	13.9052	10.3283	11.8654	0.4077	7.84424	12.652
Nitrogen Oxide	R5	2	18	19	74	10	248	0.0938	1.1199	2.4497	2.2557	2.7746	4.0211	8.5307		2.0939	0.8992	1.7833	3.7785	6.3445	13.9304	10.347	11.8868	0.4125	7.83971	12.6447
Nitrogen Oxide	R5	2	19	18	76	10	89	0.0963	1.1506	2.4676	2.27	2.794	4.0552	8.5905		2.1279	0.9073	1.7987	3.8051	6.3891	14.0281	10.4195	11.9702	0.4211	7.92804	12.78716
Nitrogen Oxide	R5	2	20	18	78	10	0	0.0955	1.1412	2.457	2.2606	2.7812	4.0351	8.551		2.1129	0.9028	1.7897	3.7875	6.3597	13.9636	10.3717	11.9152	0.4177	0	0
Nitrogen Oxide	R5	2	21	18	78	10	0	0.0955	1.1412	2.457	2.2606	2.7812	4.0351	8.551		2.1129	0.9028	1.7897	3.7875	6.3597	13.9636	10.3717	11.9152	0.4177	0	0
Nitrogen Oxide	R5	2	22	18	78	10	0	0.0955	1.1412	2.457	2.2606	2.7812	4.0351	8.551		2.1129	0.9028	1.7897	3.7875	6.3597	13.9636	10.3717	11.9152	0.4177	0	0
Nitrogen Oxide	R5	2	23	18	78	10	0	0.0955	1.1412	2.457	2.2606	2.7812	4.0351	8.551		2.1129	0.9028	1.7897	3.7875	6.3597	13.9636	10.3717	11.9152	0.4177	0	0
Nitrogen Oxide	R5	2	24	18	78	10	0	0.0955	1.1412	2.457	2.2606	2.7812	4.0351	8.551		2.1129	0.9028	1.7897	3.7875	6.3597	13.9636	10.3717	11.9152	0.4177	0	0
Nitrogen Oxide	R5	3	1	21	86	10	0	0.084	1.0007	2.3152	2.1349	2.6101	3.7593	8.025		1.8828	0.8398	1.6645	3.5546	5.9685	13.1047	9.7337	11.1823	0.3625	0	0
Nitrogen Oxide	R5	3	2	20	87	10	0	0.086	1.0251	2.3437	2.1606	2.6451	3.8167	8.1324		1.933	0.8529	1.6905	3.6021	6.0484	13.28	9.8639	11.3319	0.3748	0	0
Nitrogen Oxide	R5	3	3	20	87	10	0	0.086	1.0251	2.3437	2.1606	2.6451	3.8167	8.1324		1.933	0.8529	1.6905	3.6021	6.0484	13.28	9.8639	11.3319	0.3748	0	0
Nitrogen Oxide	R5	3	4	20	87	10	0	0.086	1.0251	2.3437	2.1606	2.6451	3.8167	8.1324		1.933	0.8529	1.6905	3.6021	6.0484	13.28	9.8639	11.3319	0.3748	0	0
Nitrogen Oxide	R5	3	5	20	87	10	0	0.086	1.0251	2.3437	2.1606	2.6451	3.8167	8.1324		1.933	0.8529	1.6905	3.6021	6.0484	13.28	9.8639	11.3319	0.3748	0	0
Nitrogen Oxide	R5	3	6	20	87	10	0	0.086	1.0251	2.3437	2.1606	2.6451	3.8167	8.1324		1.933	0.8529	1.6905	3.6021	6.0484	13.28	9.8639	11.3319	0.3748	0	0
Nitrogen Oxide	R5	3	7	20	87	10	0	0.086	1.0251	2.3437	2.1606	2.6451	3.8167	8.1324		1.933	0.8529	1.6905	3.6021	6.0484	13.28	9.8639	11.3319	0.3748	0	0
Nitrogen Oxide	R5	3	8	20	86	10	0	0.0863	1.0297	2.3496	2.166	2.6524	3.8281	8.1549		1.9415	0.8554	1.6957	3.6121	6.0652	13.3168	9.8912	11.3634	0.3768	0	0
Nitrogen Oxide	R5	3	9	21	83	10	139	0.0852	1.0157	2.3342	2.1521	2.6336	3.7956	8.0971		1.9097	0.8479	1.681	3.5865	6.0221	13.2224	9.8211	11.2828	0.3687	7.44725	12.01167
Nitrogen Oxide	R5	3	10	22	79	10	290	0.0845	1.0082	2.3262	2.1448	2.6238	3.777	8.0669		1.8887	0.8436	1.6726	3.5731	5.9997	13.1731	9.7845	11.2407	0.3631	7.41602	11.96132
Nitrogen Oxide	R5	3	11	22	78	10	272	0.085	1.0136	2.3329	2.151	2.6321	3.7899	8.0926		1.8982	0.8465	1.6785	3.5845	6.0187	13.2149	9.8156	11.2764	0.3653	7.45985	12.03202
Nitrogen Oxide	R5	3	12	23	77	10	252	0.0832	0.9914	2.3053	2.1259	2.5981	3.7342	7.988		1.8498	0.834	1.6532	3.5381	5.9409	13.0441	9.6886	11.1306	0.3535	7.34655	11.84928
Nitrogen Oxide	R5	3	13	23	77	10	244	0.0832	0.9914	2.3053	2.1259	2.5981	3.7342	7.988		1.8498	0.834	1.6532	3.5381	5.9409	13.0441	9.6886	11.1306	0.3535	7.34639	11.8716
Nitrogen Oxide	R5	3	14	23	77	10	218	0.0832	0.9914	2.3053	2.1259	2.5981	3.7342	7.988		1.8498	0.834	1.6532	3.5381	5.9409	13.0441	9.6886	11.1306	0.3535	7.34659	11.87676
Nitrogen Oxide	R5	3	15	23	76	10	264	0.0837	0.9973	2.3125	2.1325	2.607	3.7478	8.0152		1.8596	0.8372	1.6593	3.5503	5.9612	13.0887	9.7218	11.1686	0.3558	7.36862	11.88488
Nitrogen Oxide	R5	3	16	23	77	10	258	0.0832	0.9914	2.3053	2.1259	2.5981	3.7342	7.988		1.8498	0.834	1.6532	3.5381	5.9409	13.0441	9.6886	11.1306	0.3535	7.36147	11.87334
Nitrogen Oxide	R5	3	17	22	79	10	282	0.0845	1.0082	2.3262	2.1448	2.6238	3.777	8.0669		1.8887	0.8436	1.6726	3.5731	5.9997	13.1731	9.7845	11.2407	0.3631	7.42798	11.98061
Nitrogen Oxide	R5	3	18	22	82	10	248	0.0832	0.992	2.3059	2.1265	2.5987	3.7384	7.99		1.8601	0.8349	1.6551	3.5391	5.9424	13.0475	9.6912	11.1335	0.3566	7.38555	11.83636
Nitrogen Oxide	R5	3	19	21	84	10	89	0.0847	1.0107	2.3279	2.1464	2.6258	3.7835	8.0732		1.9008	0.8452	1.6755	3.5758	6.0043	13.1832	9.792	11.2493	0.3666	7.44661	12.01067
Nitrogen Oxide	R5	3	20	21	85	10	0	0.0843	1.0057	2.3215	2.1406	2.618	3.7714	8.0491		1.8918	0.8425	1.67	3.5652	5.9864	13.144	9.7629	11.2158	0.3646	0	0
Nitrogen Oxide	R5	3	21	21	86	10	0	0.084	1.0007	2.3152	2.1349	2.6101	3.7593	8.025		1.8828	0.8398	1.6645	3.5546	5.9685	13.1047	9.7337	11.1823	0.3625	0	0
Nitrogen Oxide	R5	3	22	21	86	10	0	0.084	1.0007	2.3152	2.1349	2.6101	3.7593	8.025		1.8828	0.8398	1.6645	3.5546	5.9685	13.1047	9.7337	11.1823	0.3625	0	0
Nitrogen Oxide	R5	3	23	21	85	10	0	0.0843	1.0057	2.3215	2.1406	2.618	3.7714	8.0491		1.8918	0.8425	1.67	3.5652	5.9864	13.144	9.7629	11.2158	0.3646	0	0
Nitrogen Oxide	R5	3	24	21	86	10	0	0.084	1.0007	2.3152	2.1349	2.6101	3.7593	8.025		1.8828	0.8398	1.6645	3.5546	5.9685	13.1047	9.7337	11.1823	0.3625	0	0
Nitrogen Oxide	R5	4	1	20	83	10	0	0.0875	1.0436	2.3674	2.1821	2.6744	3.8621	8.2226		1.9669	0.8631	1.7112	3.642	6.1154	13.4271	9.9732	11.4575	0.3828	0	0
Nitrogen Oxide	R5	4	2	20	85	10	0	0.0867	1.0343	2.3555	2.1714	2.6597	3.8394	8.1775		1.9499	0.858	1.7009	3.6221	6.0818	13.3536	9.9186	11.3947	0.3787	0	0
Nitrogen Oxide	R5	4	3	20	84	10	0	0.0871	1.0389	2.3614	2.1768	2.667	3.8507	8.2		1.9583	0.8605	1.7061	3.632	6.0986	13.4006	9.9459	11.4261	0.3807	0	0
Nitrogen Oxide	R5	4	4	20	85	10	0	0.0867	1.0343	2.3555	2.1714	2.6597	3.8394	8.1775		1.9499	0.858	1.7009	3.6221	6.0818	13.3536	9.9186	11.3947	0.3787	0	0
Nitrogen Oxide	R5	4	5	19	84	10	0	0.0897	1.0703	2.3936	2.2053	2.706	3.9146	8.3197		2.014	0.8753	1.735	3.6851	6.1877	13.5858	10.091	11.5929	0.3942	0	0
Nitrogen Oxide	R5	4	6	19	84	10	0	0.0897	1.0703	2.3936	2.2053	2.706	3.9146	8.3197		2.014	0.8753	1.735	3.6851	6.1877	13.5858	10.091	11.5929	0.3942	0	0
Nitrogen Oxide	R5	4	7	20	84	10	0	0.0871	1.0389	2.3614	2.1768	2.662	3.8507	8.2		1.9585	0.8605	1.7061	3.632	6.0986	13.3904	9.9459	11.4261	0.3807	0	0
Nitrogen Oxide	R5	4	8	21	79	10	0	0.0868	1.0356	2.3595	2.1751	2.6649	3.8439	8.1932		1.9457	0.8588	1.703	3.6291	6.0916	13.3794	9.9377	11.4167	0.3769	0	0
Nitrogen Oxide	R5	4	9	22	73	10	139	0.0873	1.0405	2.3667	2.1815	2.6738	3.8543	8.2207		1.9459	0.861	1.7077	3.6412	6.114	13.4242	9.9711	11.455	0.3761	7.56101	12.19518
Nitrogen Oxide	R5	4	10	23	69	10	290	0.087	1.038	2.363	2.1781	2.6692	3.8438	8.2065		1.9306	0.8586	1.7029	3.635	6.1035	13.4011	9.9538	11.4352	0.3718	7.54457	12.16867
Nitrogen Oxide	R5	4	11	23	68	10	272	0.0875	1.0438	2.3702	2.1847	2.6781	3.8575	8.2339		1.9406	0.8617	1.7091	3.6471	6.1238	13.4456	9.9869	11.4732	0.3741	7.59031	12.24244
Nitrogen Oxide	R5	4	12	24	66	10	252	0.0865	1.0324	2.3537	2.1695	2.6575	3.8228	8.1705		1.9085	0.8539	1.6934	3.619	6.0767	13.3422	9.9102	11.385	0.366	7.51499	12.1208
Nitrogen Oxide	R5	4	13	24	65	10	244	0.0871	1.0387	2.3614	2.1764	2.667	3.8373	8.1997		1.9192	0.8571	1.7	3.6319	6.0983	13.3898	9.9454	11.4255	0.3685	7.55607	12.18721
Nitrogen Oxide	R5	4	14	24	66	10	218	0.0865	1.0324	2.3537	2.1695	2.6575	3.8228	8.1705		1.9085	0.8539	1.6934	3.619	6.0767	13.3422	9.9102	11.385	0.366	7.53231	12.14888
Nitrogen Oxide	R5	4	15	24	66	10	264	0.0865	1.0324	2.3537	2.1695	2.6575	3.8228	8.1705		1.9085	0.8539	1.6934	3.619	6.0767	13.3422	9.9102	11.385	0.366	7.51176	12.11574
Nitrogen Oxide	R5	4	16	24	67	10	258	0.0861	1.0261	2.346	2.1625	2.648	3.8082	8.1414		1.8978	0.8506	1.6869	3.6061	6.055	13.2947	9.8748	11.3444	0.3637	7.50318	12.1019
Nitrogen Oxide	R5	4	17	23	69	10	282	0.087	1.038	2.363	2.1781	2.6692	3.8438	8.2065		1.9306	0.8586	1.7029	3.635	6.1035	13.4011	9.9538	11.4352	0.3718	7.55674	12.18828
Nitrogen Oxide	R5	4	18	22	74	10	248	0.0868	1.0351	2.3599	2.1754	2.6655	3.8415	8.1951		1.9363	0.8558	1.7018	3.6299	6.095	13.3823	9.9399	11.4193	0.3739	7.52802	12.14196
Nitrogen Oxide	R5	4	19	22	76	10	89	0.0859	1.0244	2.3464	2.1632	2.6488	3.8157	8.1438		1.9173	0.8523	1.6902	3.6072	6.0569	13.2987	9.8778	11.3478	0.3695	7.51161	12.11549
Nitrogen Oxide	R5	4	20	21	79	10	0	0.0868	1.0356	2.3595	2.1751	2.6649	3.8439	8.1932		1.9457	0.8588	1.703	3.6291	6.0916	13.3794	9.9377	11.4167	0.3769	0	0
Nitrogen Oxide	R5	4	21	21	80	10	0	0.0864	1.0306	2.3532	2.1693	2.6571	3.8318	8.1693		1.9368	0.8561	1.6974	3.6184	6.0758	13.3401	9.9086	11.3833	0.3749	0	0
Nitrogen Oxide	R5	4	22	21	81	10	0	0.0861	1.0257	2.3469	2.1635	2.6492	3.8198	8.1452		1.9278	0.8534	1.6919	3.6078	6.0579	13.3009	9.8794	11.3497	0.3728	0	0
Nitrogen Oxide	R5	4	23	21	82	10	0	0.0856	1.0207	2.3405	2.1579	2.6415	3.8077	8.1212		1.9187	0.8507	1.6864	3.5972	6.0401	13.2617	9.8503	11.3163	0.3708	0	0
Nitrogen Oxide	R5	4	24	20	82	10	0	0.0879	1.0481	2.3732	2.1875	2.6817	3.8735	8.245		1.9754	0.8656	1.7163	3.652	6.1322	13.4639	10.0006	11.4889	0.3843	0	0
Nitrogen Oxide	R5	5	1	25	91	10	0	0.0676	1.0045	2.1695	1.9117	2.306	3.2816	7.0901		1.5122	0.7317	1.4478	3.1405	5.2732	11.578	8.5997	9.8795	0.2764	0	0
Nitrogen Oxide	R5	5	2	25	92	10	0	0.07	0.833	2.1084	1.9476	2.3549	3.3568	7.2401		1.5668	0.7488	1.4819	3.2069	5.3848	11.8229	8.7817	10.0885	0.2887	0	0
Nitrogen Oxide	R5	5	3	25	92	10	0	0.07	0.833	2.1084	1.9476	2.3549	3.3568	7.2401		1.5668	0.7488	1.4819	3.2069	5.3848	11.8229	8.7817	10.0885	0.2887	0	0
Nitrogen Oxide	R5	5	4	25	91	10	0	0.0707	0.84	2.1166	1.9549	2.3649	3.3723	7.2711		1.5783	0.7522	1.4889	3.2206	5.4078	11.8735	8.8192	10.1317	0.2913	0	0
Nitrogen Oxide	R5	5	5	25	92	10	0	0.07	0.833	2.1084	1.9476	2.3549	3.3568	7.2401		1.5668	0.7488	1.4819	3.2069	5.3848	11.8229	8.7817	10.0885	0.2887	0	0
Nitrogen Oxide	R5	5	6	25	93	10	0	0.0694	0.8262	2.1002	1.9401	2.3448	3.3412	7.2091		1.5554	0.7453	1.4748	3.1932	5.3616	11.7723	8.744	10.0454	0.2861	0	0
Nitrogen Oxide	R5	5	7	26	93	10	0	0.0676	0.8045	2.1695	1.9117	2.306	3.2816	7.0901		1.5122	0.7317	1.4478	3.1405	5.2732	11.578	8.5997	9.8795	0.2764	0	0
Nitrogen Oxide	R5	5	8	27	85	10	0	0.0686	0.8154	2.0756	1.9165	2.3125	3.2916	7.1101		1.5199	0.7338	1.4525	3.1492	5.2879	11.6104	8.6238	9.9073	0.2782	0	0
Nitrogen Oxide	R5	5	9	28	80	10	139	0.0693	0.8247	2.0766	1.9163	2.3122	3.2912	7.1092		1.5201	0.7336	1.4524	3.1489	5.2873	11.609	8.6228	9.9061	0.2782	6.53238	10.5361
Nitrogen Oxide	R5	5	10	28	78	10	290	0.0708	0.8418	2.0963	1.9341	2.3365	3.3286	7.1837		1.5476	0.742	1.4693	3.1819	5.3428	11.7308	8.7132	10.0099	0.2843	6.59879	10.64321
Nitrogen Oxide	R5	5	11	29	73	10	272	0.069	0.8203	2.0601	1.9004	2.2907	3.2578	7.0427		1.4961	0.7263	1.4372	3.1194	5.2378	11.5005	8.5422	9.8134	0.2727	6.4861	10.46145
Nitrogen Oxide	R5	5	12	29	75	10	252	0.0705	0.8384	2.0812	1.9193	2.3164	3.2975	7.1219		1.5253	0.7352	1.4553	3.1545	5.2968	11.6298	8.6382	9.9238	0.2793	6.54245	10.55678
Nitrogen Oxide	R5	5	13	29	74	10	244	0.0712	0.8475	2.0917	1.9288	2.3293	3.3174	7.1615		1.5399	0.7396	1.4643	3.172	5.3263	11.6945	8.6804	9.9789	0.2826	6.59434	10.63603
Nitrogen Oxide	R5	5	14	29	75	10	218	0.0705	0.8384	2.0812	1.9193	2.3164	3.2975	7.1219		1.5253	0.7352	1.4553	3.1545	5.2968	11.6298	8.6382	9.9238	0.2793	6.56052	10.58148
Nitrogen Oxide	R5	5	15	29	75	10	264	0.0705	0.8384	2.0812	1.9193	2.3164	3.2975	7.1219		1.5253	0.7352	1.4553	3.1545	5.2968	11.6298	8.6382	9.9238	0.2793	6.54245	10.55233
Nitrogen Oxide	R5	5	16	29	77	10	258	0.069	0.8203	2.0601	1.9004	2.2907	3.2578	7.0427		1.4961	0.7263	1.4372	3.1194	5.2378	11.5005	8.5422	9.8134	0.2727	6.48523	10.46006
Nitrogen Oxide	R5	5	17	28	78	10	282	0.0708	0.8418	2.0963	1.9341	2.3365	3.3286	7.1837		1.5476	0.742	1.4693	3.1819	5.3428	11.7308	8.7132	10.0099	0.2843	6.60954	10.66054
Nitrogen Oxide	R5	5	18	28	81	10	248	0.0687	0.8167	2.0667	1.9073	2.3002	3.2725	7.0718		1.5062	0.7294	1.4439	3.1324	5.2596	11.5481	8.5757	9.8543	0.2725	6.48965	10.46218
Nitrogen Oxide	R5	5	19	27	84	10	89	0.0693	0.8231	2.0848	1.9248	2.3239	3.3092	7.1451		1.5329	0.7377	1.4604	3.1648	5.314	11.6678	8.6664	9.9561	0.281	6.5848	10.62065
Nitrogen Oxide	R5	5	20	27	87	10	0	0.0673	0.7999	2.057	1.8997	2.2898	3.2565	7.0398		1.4941	0.7259	1.4364	3.1182	5.2358	11.4959	8.5387	9.8095	0.2723	0	0
Nitrogen Oxide	R5	5	21	27	88	10	0	0.0667	0.7921	2.0477	1.8913	2.2783	3.2389	7.0047		1.4813	0.7218	1.4285	3.1026	5.2097	11.4386	8.4961	9.7607	0.2693	0	0
Nitrogen Oxide	R5	5	22	26	89	10	0	0.0689	0.8189	2.0869	1.9274	2.3276	3.3147	7.1561		1.5364	0.739	1.4628	3.1697	5.3223	11.6857	8.6797	9.9715	0.2819	0	0
Nitrogen Oxide	R5	5	23	26	89	10	0	0.0689	0.8189	2.0869	1.9274	2.3276	3.3147	7.1561		1.5364	0.739	1.4628	3.1697	5.3223	11.6857	8.6797	9.9715	0.2819	0	0
Nitrogen Oxide	R5	5	24	26	89	10	0	0.0683	0.8115	2.0781	1.9196	2.3168	3.2982	7.1232		1.5243	0.7353	1.4554	3.1551	5.2977	11.6319	8.6384	9.9256	0.2791	0	0
Nitrogen Oxide	R5	6	1	28	88	10	0	0.0639	0.7591	1.9976	1.8451	2.2153	3.1417	6.8109		1.4102	0.7001	1.3845	3.0168	5.0655	11.1219	8.261	9.4905	0.2533	0	0
Nitrogen Oxide	R5	6	2	27	89	10	0	0.066	0.7843	2.0384	1.883	2.2669	3.2214	6.9697		1.4683	0.7179	1.4205	3.0871	5.1836	11.3813	8.4536	9.7118	0.2664	0	0
Nitrogen Oxide	R5	6	3	27	89	10	0	0.066	0.7843	2.0384	1.883	2.2669	3.2214	6.9697		1.4683	0.7179	1.4205	3.0871	5.1836	11.3813	8.4536	9.7118	0.2664	0	0
Nitrogen Oxide	R5	6	4	27	88	10	0	0.0667	0.7921	2.0477	1.8913	2.2783	3.2389	7.0047		1.4813	0.7218	1.4285	3.1026	5.2097	11.4386	8.4961	9.7607	0.2693	0	0
Nitrogen Oxide	R5	6	5	27	89	10	0	0.066	0.7843	2.0384	1.883	2.2669	3.2214	6.9697		1.4683	0.7179	1.4205	3.0871	5.1836	11.3813	8.4536

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:

(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.

(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Oxide	R5	8	13	30	74	10	244	0.0689	0.8192	2.0452	1.8859	2.2707	3.2273	6.9815		1.4741	0.7197	1.4235	3.0923	5.1924	11.4006	8.468	9.7282	0.2677	6.4276	10.3671
Nitrogen Oxide	R5	8	14	30	74	10	218	0.0689	0.8192	2.0452	1.8859	2.2707	3.2273	6.9815		1.4741	0.7197	1.4235	3.0923	5.1924	11.4006	8.468	9.7282	0.2677	6.43042	10.37165
Nitrogen Oxide	R5	8	15	30	74	10	264	0.068	0.8095	2.0341	1.8758	2.2571	3.2062	6.9394		1.4586	0.7148	1.4138	3.0738	5.1612	11.332	8.417	9.6697	0.2642	6.37376	10.28026
Nitrogen Oxide	R5	8	16	29	76	10	258	0.069	0.8203	2.0601	1.9034	2.2907	3.2578	7.0427		1.4961	0.7263	1.4372	3.1194	5.2378	11.5005	8.5422	9.8134	0.2727	6.48523	10.46006
Nitrogen Oxide	R5	8	17	29	79	10	282	0.0674	0.8019	2.039	1.8815	2.2648	3.2182	6.9635		1.4669	0.7174	1.4192	3.0844	5.179	11.3711	8.4461	9.703	0.2661	6.40569	10.33176
Nitrogen Oxide	R5	8	18	28	80	10	248	0.0693	0.8247	2.0766	1.9163	2.3122	3.2912	7.1092		1.5201	0.7336	1.4524	3.1489	5.2873	11.609	8.6228	9.9061	0.2782	6.52418	10.52288
Nitrogen Oxide	R5	8	19	28	82	10	89	0.068	0.8085	2.0568	1.8985	2.288	3.2538	7.0346		1.4926	0.7253	1.4353	3.1158	5.2319	11.4873	8.5324	9.8022	0.2719	6.48235	10.4554
Nitrogen Oxide	R5	8	20	28	84	10	0	0.0667	0.7922	2.0371	1.8806	2.2638	3.2165	6.96		1.4652	0.7168	1.4184	3.0828	5.1764	11.3654	8.4419	9.6982	0.2657	0	0
Nitrogen Oxide	R5	8	21	27	85	10	0	0.0686	0.8154	2.0756	1.9165	2.3125	3.2916	7.1101		1.5199	0.7338	1.4525	3.1492	5.2879	11.6104	8.6238	9.9073	0.2782	0	0
Nitrogen Oxide	R5	8	22	27	87	10	0	0.0673	0.7999	2.057	1.8997	2.2898	3.2565	7.0398		1.4941	0.7259	1.4364	3.1182	5.2358	11.4959	8.5387	9.8085	0.2723	0	0
Nitrogen Oxide	R5	8	23	27	88	10	0	0.0667	0.7921	2.0477	1.8913	2.2783	3.2389	7.0047		1.4813	0.7218	1.4285	3.1026	5.2097	11.4386	8.4961	9.7607	0.2693	0	0
Nitrogen Oxide	R5	8	24	27	89	10	0	0.066	0.7843	2.0384	1.883	2.2669	3.2214	6.9697		1.4683	0.7179	1.4205	3.0871	5.1836	11.3813	8.4536	9.7118	0.2664	0	0
Nitrogen Oxide	R5	9	1	27	89	10	0	0.066	0.7843	2.0384	1.883	2.2669	3.2214	6.9697		1.4683	0.7179	1.4205	3.0871	5.1836	11.3813	8.4536	9.7118	0.2664	0	0
Nitrogen Oxide	R5	9	2	26	89	10	0	0.0689	0.8189	2.0869	1.9274	2.3276	3.3147	7.1561		1.5364	0.739	1.4628	3.1697	5.3223	11.6857	8.6797	9.9715	0.2819	0	0
Nitrogen Oxide	R5	9	3	26	91	10	0	0.0676	0.8045	2.0695	1.9117	2.306	3.2816	7.0901		1.5122	0.7317	1.4478	3.1405	5.2732	11.578	8.5997	9.8795	0.2764	0	0
Nitrogen Oxide	R5	9	4	26	92	10	0	0.0671	0.7973	2.0607	1.9038	2.2953	3.2651	7.0571		1.5	0.7279	1.4403	3.1259	5.2486	11.5241	8.5597	9.8336	0.2736	0	0
Nitrogen Oxide	R5	9	5	26	92	10	0	0.0671	0.7973	2.0607	1.9038	2.2953	3.2651	7.0571		1.5	0.7279	1.4403	3.1259	5.2486	11.5241	8.5597	9.8336	0.2736	0	0
Nitrogen Oxide	R5	9	6	26	93	10	0	0.0665	0.7902	2.0519	1.896	2.2846	3.2486	7.0242		1.4879	0.7242	1.4329	3.1112	5.2241	11.4702	8.5197	9.7877	0.2708	0	0
Nitrogen Oxide	R5	9	7	26	93	10	0	0.0665	0.7902	2.0519	1.896	2.2846	3.2486	7.0242		1.4879	0.7242	1.4329	3.1112	5.2241	11.4702	8.5197	9.7877	0.2708	0	0
Nitrogen Oxide	R5	9	8	27	88	10	0	0.0667	0.7921	2.0477	1.8913	2.2783	3.2389	7.0047		1.4813	0.7218	1.4285	3.1026	5.2097	11.4386	8.4961	9.7607	0.2693	0	0
Nitrogen Oxide	R5	9	9	26	89	10	139	0.0674	0.8004	2.047	1.8936	2.2759	3.2351	6.9973		1.4789	0.7211	1.4269	3.0993	5.2041	11.4264	8.4871	9.7502	0.2689	6.42891	10.34921
Nitrogen Oxide	R5	9	10	29	78	10	290	0.0682	0.8111	2.0496	1.891	2.2777	3.2381	7.003		1.4816	0.7219	1.4282	3.1019	5.2084	11.4358	8.4941	9.7582	0.2694	6.43177	10.35383
Nitrogen Oxide	R5	9	11	29	76	10	272	0.0697	0.8293	2.0706	1.9099	2.3035	3.2777	7.0823		1.5108	0.7307	1.4463	3.137	5.2673	11.5651	8.5902	9.8686	0.2761	6.5228	10.52065
Nitrogen Oxide	R5	9	12	29	76	10	252	0.0697	0.8293	2.0706	1.9099	2.3035	3.2777	7.0823		1.5108	0.7307	1.4463	3.137	5.2673	11.5651	8.5902	9.8686	0.2761	6.50859	10.49773
Nitrogen Oxide	R5	9	13	30	75	10	244	0.068	0.8095	2.0341	1.8758	2.2571	3.2062	6.9394		1.4586	0.7149	1.4138	3.0738	5.1612	11.332	8.417	9.6697	0.2642	6.3886	10.30419
Nitrogen Oxide	R5	9	14	29	75	10	218	0.0705	0.8384	2.0812	1.9193	2.3164	3.2975	7.1219		1.5253	0.7352	1.4553	3.1545	5.2968	11.6298	8.6382	9.9238	0.2793	6.56052	10.58148
Nitrogen Oxide	R5	9	15	29	77	10	264	0.069	0.8203	2.0601	1.9034	2.2907	3.2578	7.0427		1.4961	0.7263	1.4372	3.1194	5.2378	11.5005	8.5422	9.8134	0.2727	6.46923	10.43424
Nitrogen Oxide	R5	9	16	29	76	10	258	0.0697	0.8293	2.0706	1.9099	2.3035	3.2777	7.0823		1.5108	0.7307	1.4463	3.137	5.2673	11.5651	8.5902	9.8686	0.2761	6.52193	10.51925
Nitrogen Oxide	R5	9	17	29	78	10	282	0.0682	0.8111	2.0496	1.891	2.2777	3.2381	7.003		1.4816	0.7219	1.4282	3.1019	5.2084	11.4358	8.4941	9.7582	0.2694	6.44227	10.39076
Nitrogen Oxide	R5	9	18	28	81	10	248	0.0687	0.8167	2.0667	1.9073	2.3002	3.2725	7.0718		1.5064	0.7294	1.4439	3.1324	5.2596	11.5481	8.5775	9.8541	0.275	6.48965	10.46718
Nitrogen Oxide	R5	9	19	27	84	10	89	0.0693	0.8231	2.0848	1.9248	2.3239	3.3092	7.1451		1.5329	0.7377	1.4604	3.1648	5.314	11.6678	8.6664	9.9561	0.281	6.5848	10.62065
Nitrogen Oxide	R5	9	20	27	86	10	0	0.0679	0.8076	2.0663	1.9081	2.3011	3.2741	7.0749		1.5071	0.7298	1.4445	3.1338	5.2619	11.5532	8.5813	9.8584	0.2752	0	0
Nitrogen Oxide	R5	9	21	27	87	10	0	0.0673	0.7999	2.057	1.8997	2.2898	3.2565	7.0398		1.4941	0.7259	1.4364	3.1182	5.2358	11.4959	8.5387	9.8095	0.2723	0	0
Nitrogen Oxide	R5	9	22	27	89	10	0	0.066	0.7843	2.0384	1.883	2.2669	3.2214	6.9697		1.4683	0.7179	1.4205	3.0871	5.1836	11.3813	8.4536	9.7118	0.2664	0	0
Nitrogen Oxide	R5	9	23	27	89	10	0	0.066	0.7843	2.0384	1.883	2.2669	3.2214	6.9697		1.4683	0.7179	1.4205	3.0871	5.1836	11.3813	8.4536	9.7118	0.2664	0	0
Nitrogen Oxide	R5	9	24	26	89	10	0	0.0689	0.8189	2.0869	1.9274	2.3276	3.3147	7.1561		1.5364	0.739	1.4628	3.1697	5.3223	11.6857	8.6797	9.9715	0.2819	0	0
Nitrogen Oxide	R10	1	1	24	74	10	0	0.0824	0.9821	2.2922	2.1139	2.5817	3.7061	7.9376		1.8229	0.8277	1.6404	3.5158	5.9035	12.962	9.6276	11.0605	0.3467	0	0
Nitrogen Oxide	R10	1	2	24	74	10	0	0.0846	1.009	2.3269	2.1455	2.6247	3.7753	8.07		1.88	0.8432	1.6718	3.5745	6.0019	13.1779	9.7881	11.2448	0.3603	0	0
Nitrogen Oxide	R10	1	3	23	74	10	0	0.0846	1.009	2.3269	2.1455	2.6247	3.7753	8.07		1.88	0.8432	1.6718	3.5745	6.0019	13.1779	9.7881	11.2448	0.3603	0	0
Nitrogen Oxide	R10	1	4	23	75	10	0	0.0842	1.0031	2.3198	2.139	2.6159	3.7615	8.0426		1.8699	0.8401	1.6656	3.5623	5.9815	13.1333	9.7549	11.2067	0.3581	0	0
Nitrogen Oxide	R10	1	5	23	74	10	0	0.0846	1.009	2.3269	2.1455	2.6247	3.7753	8.07		1.88	0.8432	1.6718	3.5745	6.0019	13.1779	9.7881	11.2448	0.3603	0	0
Nitrogen Oxide	R10	1	6	23	75	10	0	0.0842	1.0031	2.3198	2.139	2.6159	3.7615	8.0426		1.8699	0.8401	1.6656	3.5623	5.9815	13.1333	9.7549	11.2067	0.3581	0	0
Nitrogen Oxide	R10	1	7	23	75	10	0	0.0842	1.0031	2.3198	2.139	2.6159	3.7615	8.0426		1.8699	0.8401	1.6656	3.5623	5.9815	13.1333	9.7549	11.2067	0.3581	0	0
Nitrogen Oxide	R10	1	8	23	72	10	0	0.0856	1.0202	2.3414	2.1585	2.6425	3.8027	8.1246		1.9003	0.8494	1.6842	3.6046	6.0426	13.2672	9.8553	11.3285	0.3649	0	0
Nitrogen Oxide	R10	1	9	24	69	10	139	0.085	1.0136	2.3306	2.1486	2.6291	3.779	8.0832		1.8764	0.844	1.6736	3.5803	6.0117	13.1996	9.8042	11.2633	0.3588	7.43293	11.98859
Nitrogen Oxide	R10	1	10	25	64	10	290	0.0859	1.0242	2.3381	2.1545	2.6372	3.7915	8.108		1.8862	0.8464	1.6793	3.5913	6.0302	13.2401	9.8344	11.298	0.361	7.45308	12.0211
Nitrogen Oxide	R10	1	11	26	61	10	272	0.086	1.0248	2.3317	2.1478	2.628	3.7773	8.0797		1.8764	0.8428	1.673	3.5788	6.0092	13.1939	9.8	11.2585	0.3588	7.44699	12.01128
Nitrogen Oxide	R10	1	12	27	60	10	252	0.0849	1.0124	2.3083	2.1257	2.5978	3.7309	7.987		1.8429	0.8322	1.6519	3.5377	5.9402	13.0426	9.6876	11.1293	0.3512	7.34521	11.84711
Nitrogen Oxide	R10	1	13	27	59	10	244	0.0855	1.0199	2.3176	2.134	2.6492	3.7484	8.0221		1.8559	0.8362	1.66	3.5533	5.9664	13.0998	9.7301	11.1782	0.3542	7.39155	11.92186
Nitrogen Oxide	R10	1	14	27	59	10	218	0.0855	1.0199	2.3176	2.134	2.6492	3.7484	8.0221		1.8559	0.8362	1.66	3.5533	5.9664	13.0998	9.7301	11.1782	0.3542	7.39477	11.92704
Nitrogen Oxide	R10	1	15	27	60	10	264	0.0849	1.0124	2.3083	2.1257	2.5978	3.7309	7.987		1.8429	0.8322	1.6519	3.5377	5.9402	13.0426	9.6876	11.1293	0.3512	7.34214	11.84216
Nitrogen Oxide	R10	1	16	27	62	10	258	0.0836	0.9967	2.2897	2.1089	2.573	3.6957	7.9169		1.8171	0.8244	1.636	3.5066	5.888	12.928	9.6023	11.0315	0.3453	7.29517	11.76641
Nitrogen Oxide	R10	1	17	26	65	10	282	0.0835	0.9955	2.2967	2.1163	2.585	3.7112	7.9478		1.8279	0.828	1.6429	3.5203	5.9111	12.9785	9.6399	11.0746	0.3478	7.31682	11.80132
Nitrogen Oxide	R10	1	18	25	68	10	248	0.0843	1.0038	2.3136	2.1324	2.6069	3.7449	8.0151		1.852	0.8359	1.6582	3.5501	5.9611	13.0883	9.7216	11.1684	0.3533	7.3608	11.87225
Nitrogen Oxide	R10	1	19	25	69	10	89	0.0831	0.9903	2.2972	2.1176	2.5868	3.7139	7.9531		1.8291	0.8289	1.644	3.5226	5.9151	12.9871	9.6464	11.082	0.3481	7.33389	11.82886
Nitrogen Oxide	R10	1	20	25	71	10	0	0.082	0.9766	2.2808	2.1028	2.5666	3.6828	7.891		1.8063	0.822	1.63	3.4952	5.8688	12.8858	9.5711	10.9956	0.343	0	0
Nitrogen Oxide	R10	1	21	24	71	10	0	0.084	1.0011	2.3152	2.1348	2.6102	3.7499	8.025		1.855	0.8375	1.6604	3.5545	5.9685	13.1045	9.7336	11.1822	0.354	0	0
Nitrogen Oxide	R10	1	22	24	71	10	0	0.084	1.0011	2.3152	2.1348	2.6102	3.7499	8.025		1.855	0.8375	1.6604	3.5545	5.9685	13.1045	9.7336	11.1822	0.354	0	0
Nitrogen Oxide	R10	1	23	24	72	10	0	0.0835	0.9948	2.3076	2.1278	2.6006	3.7353	7.9959		1.8443	0.8343	1.6537	3.5416	5.9468	13.057	9.6983	11.1416	0.3515	0	0
Nitrogen Oxide	R10	1	24	24	72	10	0	0.0835	0.9948	2.3076	2.1278	2.6006	3.7353	7.9959		1.8443	0.8343	1.6537	3.5416	5.9468	13.057	9.6983	11.1416	0.3515	0	0
Nitrogen Oxide	R10	1	1	21	74	10	0	0.0885	1.0554	2.3948	2.198	2.6962	3.8923	8.2894		1.9817	0.8696	1.7249	3.6151	6.1353	13.5384	10.0532	11.5894	0.3787	0	0
Nitrogen Oxide	R10	1	2	21	74	10	0	0.0889	1.0603	2.3911	2.2037	2.7039	3.9044	8.3134		1.9907	0.8723	1.7304	3.6823	6.183	13.5757	10.0835	11.5841	0.3871	0	0
Nitrogen Oxide	R10	1	3	21	74	10	0	0.0889	1.0603	2.3911	2.2037	2.7039	3.9044	8.3134		1.9907	0.8723	1.7304	3.6823	6.183	13.5757	10.0835	11.5841	0.3871	0	0
Nitrogen Oxide	R10	1	4	21	74	10	0	0.0889	1.0603	2.3911	2.2037	2.7039	3.9044	8.3134		1.9907	0.8723	1.7304	3.6823	6.183	13.5757	10.0835	11.5841	0.3871	0	0
Nitrogen Oxide	R10	1	5	21	74	10	0	0.0889	1.0603	2.3911	2.2037	2.7039	3.9044	8.3134		1.9907	0.8723	1.7304	3.6823	6.183	13.5757	10.0835	11.5841	0.3871	0	0
Nitrogen Oxide	R10	1	6	21	74	10	0	0.0889	1.0652	2.3975	2.2094	2.7118	3.9165	8.3375		1.9997	0.8751	1.7359	3.693	6.2008	13.6148	10.1127	11.6177	0.3892	0	0
Nitrogen Oxide	R10	1	7	21	73	10	0	0.0893	1.0652	2.3975	2.2094	2.7118	3.9165	8.3375		1.9997	0.8751	1.7359	3.693	6.2008	13.6148	10.1127	11.6177	0.3892	0	0
Nitrogen Oxide	R10	1	8	21	70	10	0	0.0905	1.0799	2.4164	2.2266	2.7353	3.9527	8.4096		2.0267	0.8832	1.7524	3.7249	6.2545	13.7326	10.2001	11.7181	0.3953	0	0
Nitrogen Oxide	R10	1	9	22	66	10	139	0.0903	1.0777	2.4139	2.2243	2.7323	3.9444	8.4001		2.0126	0.8813	1.7486	3.7207	6.2475	13.7172	10.1887	11.705	0.3913	7.72694	12.4628
Nitrogen Oxide	R10	1	10	25	61	10	290	0.0908	1.0839	2.4205	2.2303	2.7403	3.9534	8.4251		2.0113	0.8832	1.7527	3.7318	6.2661	13.758	10.2189	11.7398	0.3901	7.74664	12.49457
Nitrogen Oxide	R10	1	11	25	61	10	272	0.0898	1.0706	2.3954	2.2063	2.7077	3.9002	8.325		1.966	0.8708	1.7287	3.6874	6.1916	13.5945	10.0975	11.6003	0.379	7.67429	12.37789
Nitrogen Oxide	R10	1	12	25	62	10	252	0.0903	1.0771	2.4036	2.2137	2.7178	3.9156	8.356		1.9775	0.8742	1.7357	3.7012	6.2146	13.6451	10.135	11.6434	0.3816	7.69642	12.39744
Nitrogen Oxide	R10	1	13	25	56	10	244	0.0903	1.0771	2.4036	2.2137	2.7178	3.9156	8.356		1.9775	0.8742	1.7357	3.7012	6.2146	13.6451	10.135	11.6434	0.3816	7.70086	12.42074
Nitrogen Oxide	R10	1	14	26	56	10	218	0.0888	1.0597	2.3752	2.1871	2.6816	3.8598	8.2447		1.9371	0.8614	1.7105	3.6518	6.1318	13.4633	10	11.4883	0.3725	7.60104	12.25975
Nitrogen Oxide	R10	1	15	26	57	10	264	0.0882	1.0528	2.3666	2.1793	2.6708	3.8434	8.2116		1.925	0.8576	1.703	3.6372	6.1072	13.4094	9.96	11.4423	0.3697	7.54975	12.17702
Nitrogen Oxide	R10	1	16	25	58	10	258	0.0892	1.0642	2.3873	2.1989	2.6976	3.8846	8.2941		1.9546	0.8673	1.7216	3.6737	6.1685	13.5439	10.0599	11.5571	0.3765	7.64455	12.32992
Nitrogen Oxide	R10	1	17	24	63	10	282	0.0881	1.0511	2.3768	2.1903	2.6852	3.8587	8.2578		1.9404	0.8638	1.7133	3.6577	6.1416	13.4848	10.0111	11.5067	0.3748	7.60378	12.26416
Nitrogen Oxide	R10	1	18	23	66	10	248	0.0884	1.0552	2.3846	2.1977	2.6959	3.8849	8.2885		1.9608	0.8678	1.7216	3.6713	6.1645	13.5348	10.0532	11.5494	0.3787	7.61375	12.28025
Nitrogen Oxide	R10	1	19	23	70	10	89	0.0865	1.0322	2.3558	2.1715	2.6603	3.83	8.1792		1.9205	0.8555	1.6967	3.6228	6.0831	13.3564	9.9206	11.3971	0.3695	7.54392	12.16762
Nitrogen Oxide	R10	1	20	22	70	10	0	0.0886	1.0565	2.3869	2.1999	2.6988	3.8929	8.2976		1.9745	0.8697	1.7252	3.6753	6.1713	13.5498	10.0642	11.5621	0.3826	0	0
Nitrogen Oxide	R10	1	21	22	72	10	0	0.0877	1.0458	2.3734	2.1876	2.6821	3.8671	8.2464		1.9554	0.8639	1.7135	3.6525	6.1331	13.466	10.0021	11.4907	0.3783	0	0
Nitrogen Oxide	R10	1	22	22	74	10	0	0.0868	1.0351	2.3599	2.1754	2.6655	3.8415	8.1951		1.9363	0.858	1.7018	3.6299	6.095	13.3823	9.9399	11.4193	0.3739	0	0
Nitrogen Oxide	R10	1	23	22	74	10	0	0.0868	1.0351	2.3599	2.1754	2.6655	3.8415	8.1951		1.9363	0.858	1.7018	3.6299	6.095	13.3823	9.9399	11.4193	0.3739	0	0
Nitrogen Oxide	R10	1	24	21	74	10	0	0.0889	1.0603	2.3911	2.2037	2.7039	3.9044	8.3134		1.9907	0.8723	1.7304	3.6823	6.183	13.5757	10.0835	11.5841	0.3871	0	0
Nitrogen Oxide	R10	1	1	16	68	10	0	0.1059	1.2669	2.5584	2.3477	2.8997	4.2276	8.9153		2.2761	0.9473	1.8769	3.9489	6.6306	14.5584	10.8135	12.4228	0.4571	0	0
Nitrogen Oxide	R10	1	2	16	69	10	0	0.1055	1.2627	2.5537	2.3436	2.8941	4.2188	8.898		2.2694	0.9454	1.873	3.9412	6.6177	14.5301	10.7924	12.3987	0.4555	0	0
Nitrogen Oxide	R10	1	3	16	69	10	0	0.1055	1.2627	2.5537	2.3436	2.8941	4.2188	8.898		2.2694	0.9454	1.873	3.9412	6.6177	14.5301	10.7924	12.3987	0.4555	0	0
Nitrogen Oxide	R10	1	4	15	70	10	0	0.1085	1.2984	2.5722	2.3582	2.9139	4.254	8.9588		2.3052	0.954	1.8887	3.9682	6.6629	14.6295	10.8662	12.4834	0.4648	0	0
Nitrogen Oxide	R10	1	5	15	70	10	0	0.1085	1.2984	2.5722	2.3582	2.9139	4.254	8.9588		2.3052	0.954	1.8887	3.9682	6.6629	14.6295	10.8662	12.4834	0.4648	0	0
Nitrogen Oxide	R10	1	6	15	70	10	0	0.1085	1.2984	2.5722	2.3582	2.9139	4.254	8.9588		2.3052	0.954	1.8887	3.9682	6.6629	14.6295	10.8662	12.4834	0.4648	0	0
Nitrogen Oxide	R10	1	7	15	70	10	0	0.1085	1.2984	2.5722	2.3582	2.9139	4.254	8.9588		2.3052	0.954	1.8887	3.9682	6.6629	14.6295	10.8662	12.4834	0.4648	0	0
Nitrogen Oxide	R10	1	8	15	69	10	0	0.1087	1.3026	2.5765	2.362	2.9192	4.2622	8.975		2.3114	0.9559	1.8925	3.9753	6.675	14.6559	10.8859	12.506	0.4663	0	0
Nitrogen Oxide	R10	1	9	16	65	10	139	0.1069	1.2797	2.5722	2.3601	2.9166	4.2539	8.9672		2.296	0.9533	1.8889	3.9719	6.6692	14.6431	10.8764	12.4951	0.4617	8.25512	13.31471
Nitrogen Oxide	R10	1	10	17	62	10	290	0.1049	1.2544	2.5643	2.3548	2.9085	4.2387	8.9454		2.2724	0.9492	1.882	3.9576	6.653	14.6076	10.853	12.4648	0.456	8.23128

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:

(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.

(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Oxide	R6	2	18	19	74	10	27	0.0938	1.1199	2.4497	2.2557	2.7746	4.0211	8.5307		2.0939	0.8992	1.7833	3.7285	6.3445	13.9304	10.347	11.8868	0.4125	7.86261	12.68163
Nitrogen Oxide	R6	2	19	18	76	10	12	0.0963	1.1506	2.4676	2.27	2.794	4.0552	8.5905		2.1279	0.9073	1.7987	3.8051	6.3891	14.0281	10.4195	11.9702	0.4211	7.83462	12.63648
Nitrogen Oxide	R6	2	20	18	78	10	0	0.0955	1.1412	2.457	2.2606	2.7812	4.0351	8.551		2.1129	0.9028	1.7897	3.7875	6.3597	13.9636	10.3717	11.9152	0.4177	0	0
Nitrogen Oxide	R6	2	21	18	78	10	0	0.0955	1.1412	2.457	2.2606	2.7812	4.0351	8.551		2.1129	0.9028	1.7897	3.7875	6.3597	13.9636	10.3717	11.9152	0.4177	0	0
Nitrogen Oxide	R6	2	22	18	78	10	0	0.0955	1.1412	2.457	2.2606	2.7812	4.0351	8.551		2.1129	0.9028	1.7897	3.7875	6.3597	13.9636	10.3717	11.9152	0.4177	0	0
Nitrogen Oxide	R6	2	23	18	78	10	0	0.0955	1.1412	2.457	2.2606	2.7812	4.0351	8.551		2.1129	0.9028	1.7897	3.7875	6.3597	13.9636	10.3717	11.9152	0.4177	0	0
Nitrogen Oxide	R6	2	24	18	78	10	0	0.0955	1.1412	2.457	2.2606	2.7812	4.0351	8.551		2.1129	0.9028	1.7897	3.7875	6.3597	13.9636	10.3717	11.9152	0.4177	0	0
Nitrogen Oxide	R6	3	1	21	86	10	0	0.084	1.0007	2.3152	2.1349	2.6101	3.7593	8.025		1.8828	0.8398	1.6645	3.5546	5.9685	13.1047	9.7337	11.1823	0.3625	0	0
Nitrogen Oxide	R6	3	2	20	87	10	0	0.086	1.0251	2.3437	2.1606	2.6451	3.8167	8.1324		1.933	0.8529	1.6905	3.6021	6.0484	13.28	9.8639	11.3319	0.3748	0	0
Nitrogen Oxide	R6	3	3	20	87	10	0	0.086	1.0251	2.3437	2.1606	2.6451	3.8167	8.1324		1.933	0.8529	1.6905	3.6021	6.0484	13.28	9.8639	11.3319	0.3748	0	0
Nitrogen Oxide	R6	3	4	20	87	10	0	0.086	1.0251	2.3437	2.1606	2.6451	3.8167	8.1324		1.933	0.8529	1.6905	3.6021	6.0484	13.28	9.8639	11.3319	0.3748	0	0
Nitrogen Oxide	R6	3	5	20	87	10	0	0.086	1.0251	2.3437	2.1606	2.6451	3.8167	8.1324		1.933	0.8529	1.6905	3.6021	6.0484	13.28	9.8639	11.3319	0.3748	0	0
Nitrogen Oxide	R6	3	6	20	87	10	0	0.086	1.0251	2.3437	2.1606	2.6451	3.8167	8.1324		1.933	0.8529	1.6905	3.6021	6.0484	13.28	9.8639	11.3319	0.3748	0	0
Nitrogen Oxide	R6	3	7	20	87	10	0	0.086	1.0251	2.3437	2.1606	2.6451	3.8167	8.1324		1.933	0.8529	1.6905	3.6021	6.0484	13.28	9.8639	11.3319	0.3748	0	0
Nitrogen Oxide	R6	3	8	20	86	10	0	0.0863	1.0297	2.3496	2.166	2.6524	3.8281	8.1549		1.9415	0.8554	1.6957	3.6121	6.0652	13.3168	9.8912	11.3634	0.3768	0	0
Nitrogen Oxide	R6	3	9	21	83	10	17	0.0852	1.0157	2.3342	2.1521	2.6336	3.7956	8.0971		1.9097	0.8479	1.681	3.5865	6.0221	13.2224	9.8211	11.2828	0.3687	7.33801	11.8355
Nitrogen Oxide	R6	3	10	22	79	10	32	0.0845	1.0082	2.3262	2.1448	2.6238	3.777	8.0669		1.8887	0.8436	1.6726	3.5731	5.9997	13.1731	9.7845	11.2407	0.3631	7.3966	11.93001
Nitrogen Oxide	R6	3	11	22	78	10	29	0.085	1.0136	2.3329	2.151	2.6321	3.7899	8.0926		1.8982	0.8465	1.6785	3.5845	6.0187	13.2149	9.8156	11.2764	0.3653	7.49912	12.09536
Nitrogen Oxide	R6	3	12	23	77	10	28	0.0832	0.9914	2.3053	2.1259	2.5981	3.7342	7.988		1.8498	0.834	1.6532	3.5381	5.9409	13.0441	9.6886	11.1306	0.3535	7.38031	11.90373
Nitrogen Oxide	R6	3	13	23	77	10	27	0.0832	0.9914	2.3053	2.1259	2.5981	3.7342	7.988		1.8498	0.834	1.6532	3.5381	5.9409	13.0441	9.6886	11.1306	0.3535	7.35781	11.86743
Nitrogen Oxide	R6	3	14	23	77	10	25	0.0832	0.9914	2.3053	2.1259	2.5981	3.7342	7.988		1.8498	0.834	1.6532	3.5381	5.9409	13.0441	9.6886	11.1306	0.3535	7.30739	11.79612
Nitrogen Oxide	R6	3	15	23	76	10	29	0.0837	0.9973	2.3125	2.1325	2.607	3.7478	8.0152		1.8598	0.837	1.6593	3.5503	5.9612	13.0887	9.7218	11.1686	0.3558	7.42659	11.97838
Nitrogen Oxide	R6	3	16	23	77	10	28	0.0832	0.9914	2.3053	2.1259	2.5981	3.7342	7.988		1.8498	0.834	1.6532	3.5381	5.9409	13.0441	9.6886	11.1306	0.3535	7.38031	11.90373
Nitrogen Oxide	R6	3	17	22	79	10	31	0.0845	1.0082	2.3262	2.1448	2.6238	3.777	8.0669		1.8887	0.8436	1.6726	3.5731	5.9997	13.1731	9.7845	11.2407	0.3631	7.37498	11.89513
Nitrogen Oxide	R6	3	18	22	82	10	27	0.0832	0.992	2.3059	2.1265	2.5987	3.7384	7.99		1.8601	0.8349	1.6551	3.5391	5.9424	13.0475	9.6912	11.1335	0.3566	7.36013	11.87118
Nitrogen Oxide	R6	3	19	21	84	10	12	0.0847	1.0107	2.3279	2.1464	2.6298	3.7835	8.0732		1.9008	0.8452	1.6755	3.5758	6.0043	13.1832	9.792	11.2493	0.3666	7.35825	11.86815
Nitrogen Oxide	R6	3	20	21	85	10	0	0.0843	1.0057	2.3215	2.1406	2.618	3.7714	8.0491		1.8918	0.8425	1.67	3.5652	5.9864	13.144	9.7629	11.2158	0.3646	0	0
Nitrogen Oxide	R6	3	21	21	86	10	0	0.084	1.0007	2.3152	2.1349	2.6101	3.7593	8.025		1.8828	0.8398	1.6645	3.5546	5.9685	13.1047	9.7337	11.1823	0.3625	0	0
Nitrogen Oxide	R6	3	22	21	86	10	0	0.084	1.0007	2.3152	2.1349	2.6101	3.7593	8.025		1.8828	0.8398	1.6645	3.5546	5.9685	13.1047	9.7337	11.1823	0.3625	0	0
Nitrogen Oxide	R6	3	23	21	85	10	0	0.0843	1.0057	2.3215	2.1406	2.618	3.7714	8.0491		1.8918	0.8425	1.67	3.5652	5.9864	13.144	9.7629	11.2158	0.3646	0	0
Nitrogen Oxide	R6	3	24	21	86	10	0	0.084	1.0007	2.3152	2.1349	2.6101	3.7593	8.025		1.8828	0.8398	1.6645	3.5546	5.9685	13.1047	9.7337	11.1823	0.3625	0	0
Nitrogen Oxide	R6	4	1	21	85	10	0	0.0875	1.0436	2.3674	2.1821	2.6744	3.8621	8.2226		1.9669	0.8631	1.7112	3.642	6.1154	13.4271	9.9732	11.4575	0.3826	0	0
Nitrogen Oxide	R6	4	2	20	85	10	0	0.0867	1.0343	2.3555	2.1714	2.6597	3.8394	8.1775		1.9499	0.858	1.7009	3.6221	6.0818	13.3536	9.9186	11.3947	0.3787	0	0
Nitrogen Oxide	R6	4	3	20	84	10	0	0.0871	1.0389	2.3614	2.1768	2.667	3.8507	8.2		1.9585	0.8605	1.7061	3.6322	6.0986	13.3904	9.9459	11.4261	0.3807	0	0
Nitrogen Oxide	R6	4	4	20	85	10	0	0.0867	1.0343	2.3555	2.1714	2.6597	3.8394	8.1775		1.9499	0.858	1.7009	3.6221	6.0818	13.3536	9.9186	11.3947	0.3787	0	0
Nitrogen Oxide	R6	4	5	19	84	10	0	0.0897	1.0703	2.3936	2.2053	2.706	3.9146	8.3197		2.014	0.8753	1.735	3.6851	6.1877	13.5858	10.091	11.5929	0.3942	0	0
Nitrogen Oxide	R6	4	6	19	84	10	0	0.0897	1.0703	2.3936	2.2053	2.706	3.9146	8.3197		2.014	0.8753	1.735	3.6851	6.1877	13.5858	10.091	11.5929	0.3942	0	0
Nitrogen Oxide	R6	4	7	20	84	10	0	0.0871	1.0389	2.3614	2.1768	2.667	3.8507	8.2		1.9585	0.8605	1.7061	3.632	6.0986	13.3904	9.9459	11.4261	0.3807	0	0
Nitrogen Oxide	R6	4	8	21	79	10	0	0.0868	1.0356	2.3595	2.1751	2.6649	3.8439	8.1932		1.9457	0.8588	1.703	3.6291	6.0936	13.3794	9.9377	11.4167	0.3769	0	0
Nitrogen Oxide	R6	4	9	22	73	10	17	0.0873	1.0405	2.3667	2.1815	2.6738	3.8542	8.2207		1.9459	0.861	1.7077	3.6412	6.114	13.4242	9.9711	11.455	0.3761	7.45014	12.01636
Nitrogen Oxide	R6	4	10	23	69	10	32	0.087	1.038	2.363	2.1781	2.6692	3.8438	8.2065		1.9306	0.8586	1.7029	3.635	6.1035	13.4011	9.9538	11.4352	0.3718	7.52483	12.13682
Nitrogen Oxide	R6	4	11	23	68	10	29	0.0875	1.0438	2.3702	2.1847	2.6781	3.8575	8.2339		1.9406	0.8617	1.7091	3.6471	6.1238	13.4456	9.9869	11.4732	0.3741	7.63026	12.30687
Nitrogen Oxide	R6	4	12	24	66	10	28	0.0865	1.0324	2.3537	2.1695	2.6575	3.8228	8.1705		1.9085	0.8539	1.6934	3.619	6.0767	13.3422	9.9102	11.385	0.366	7.5494	12.17645
Nitrogen Oxide	R6	4	13	24	66	10	27	0.0871	1.0351	2.3614	2.1764	2.667	3.8573	8.1997		1.9192	0.8571	1.7	3.6363	6.0983	13.3904	9.9459	11.4261	0.3685	7.53342	12.18293
Nitrogen Oxide	R6	4	14	24	66	10	25	0.0865	1.0324	2.3537	2.1695	2.6575	3.8228	8.1705		1.9085	0.8539	1.6934	3.619	6.0767	13.3422	9.9102	11.385	0.366	7.47487	12.05624
Nitrogen Oxide	R6	4	15	24	66	10	29	0.0865	1.0324	2.3537	2.1695	2.6575	3.8228	8.1705		1.9085	0.8539	1.6934	3.619	6.0767	13.3422	9.9102	11.385	0.366	7.57082	12.211
Nitrogen Oxide	R6	4	16	24	67	10	28	0.0861	1.0261	2.346	2.1625	2.648	3.8082	8.1414		1.8978	0.8506	1.6869	3.6061	6.055	13.2947	9.8748	11.3444	0.3637	7.52237	12.13286
Nitrogen Oxide	R6	4	17	23	69	10	31	0.087	1.038	2.363	2.1781	2.6692	3.8438	8.2065		1.9306	0.8586	1.7029	3.635	6.1035	13.4011	9.9538	11.4352	0.3718	7.50284	12.10135
Nitrogen Oxide	R6	4	18	23	74	10	27	0.0868	1.0351	2.3599	2.1754	2.6655	3.8413	8.1951		1.9363	0.8584	1.7018	3.6299	6.0995	13.3423	9.9399	11.4193	0.3739	7.55912	12.17762
Nitrogen Oxide	R6	4	19	22	76	10	12	0.0859	1.0244	2.3464	2.1632	2.6488	3.8157	8.1438		1.9173	0.8523	1.6902	3.6072	6.0569	13.2987	9.8778	11.3478	0.3695	7.42245	11.97169
Nitrogen Oxide	R6	4	20	21	79	10	0	0.0868	1.0356	2.3595	2.1751	2.6649	3.8439	8.1932		1.9457	0.8588	1.703	3.6291	6.0936	13.3794	9.9377	11.4167	0.3769	0	0
Nitrogen Oxide	R6	4	21	21	80	10	0	0.0864	1.0306	2.3532	2.1693	2.6571	3.8318	8.1693		1.9368	0.8561	1.6974	3.6184	6.0758	13.3401	9.9086	11.3833	0.3749	0	0
Nitrogen Oxide	R6	4	22	21	82	10	0	0.0861	1.0257	2.3469	2.1635	2.6492	3.8198	8.1452		1.9278	0.8534	1.6919	3.6078	6.0579	13.3009	9.8794	11.3497	0.3728	0	0
Nitrogen Oxide	R6	4	23	21	82	10	0	0.0856	1.0207	2.3405	2.1579	2.6415	3.8077	8.1212		1.9187	0.8507	1.6864	3.5972	6.0401	13.2617	9.8303	11.3163	0.3708	0	0
Nitrogen Oxide	R6	4	24	21	82	10	0	0.0879	1.0481	2.3707	2.1875	2.6817	3.8735	8.245		1.9754	0.8656	1.7163	3.652	6.1322	13.4639	10.0006	11.4889	0.3845	0	0
Nitrogen Oxide	R6	5	1	26	91	10	0	0.0676	0.8045	2.0695	1.9117	2.306	3.2816	7.0901		1.5122	0.7317	1.4478	3.1405	5.2732	11.578	8.5997	9.8795	0.2764	0	0
Nitrogen Oxide	R6	5	2	25	92	10	0	0.07	0.833	2.1084	1.9476	2.3549	3.3568	7.2401		1.5668	0.7488	1.4819	3.2069	5.3848	11.8229	8.7817	10.0885	0.2887	0	0
Nitrogen Oxide	R6	5	3	25	92	10	0	0.07	0.833	2.1084	1.9476	2.3549	3.3568	7.2401		1.5668	0.7488	1.4819	3.2069	5.3848	11.8229	8.7817	10.0885	0.2887	0	0
Nitrogen Oxide	R6	5	4	25	92	10	0	0.0707	0.84	2.1166	1.9549	2.3649	3.3725	7.2711		1.5783	0.7522	1.4889	3.2206	5.4078	11.8735	8.8192	10.1317	0.2913	0	0
Nitrogen Oxide	R6	5	5	25	92	10	0	0.07	0.833	2.1084	1.9476	2.3549	3.3568	7.2401		1.5668	0.7488	1.4819	3.2069	5.3848	11.8229	8.7817	10.0885	0.2887	0	0
Nitrogen Oxide	R6	5	6	25	91	10	0	0.0694	0.8262	2.1002	1.9401	2.3438	3.3412	7.2091		1.5554	0.7453	1.4748	3.1916	5.3702	11.7725	8.7441	10.0483	0.2861	0	0
Nitrogen Oxide	R6	5	7	26	91	10	0	0.0676	0.8045	2.0695	1.9117	2.306	3.2816	7.0901		1.5122	0.7317	1.4478	3.1405	5.2732	11.578	8.5997	9.8795	0.2764	0	0
Nitrogen Oxide	R6	5	8	27	85	10	0	0.0686	0.8154	2.0756	1.9163	2.3125	3.2916	7.1101		1.5199	0.7338	1.4525	3.1492	5.2879	11.6104	8.6238	9.9073	0.2782	0	0
Nitrogen Oxide	R6	5	9	28	88	10	17	0.0693	0.8247	2.0766	1.9163	2.3122	3.2912	7.1092		1.5201	0.7336	1.4524	3.1489	5.2873	11.609	8.6228	9.9063	0.2782	6.43544	10.37973
Nitrogen Oxide	R6	5	10	28	88	10	32	0.0708	0.8418	2.0963	1.9341	2.3365	3.3286	7.1837		1.5476	0.742	1.4693	3.1819	5.3428	11.7308	8.7132	10.0099	0.2843	6.58134	10.61507
Nitrogen Oxide	R6	5	11	29	77	10	29	0.0695	0.8203	2.0691	1.9034	2.2907	3.2578	7.0427		1.4961	0.7265	1.4372	3.1194	5.2378	11.5005	8.5422	9.8134	0.2727	6.32064	10.51717
Nitrogen Oxide	R6	5	12	29	75	10	28	0.0705	0.8384	2.0812	1.9193	2.3164	3.2975	7.1219		1.5253	0.7352	1.4553	3.1545	5.2968	11.6298	8.6382	9.9238	0.2793	6.57556	10.60574
Nitrogen Oxide	R6	5	13	29	74	10	27	0.0712	0.8475	2.0917	1.9288	2.3293	3.3174	7.1615		1.5399	0.7396	1.4643	3.172	5.3263	11.6945	8.6863	9.9789	0.2826	6.592	10.63226
Nitrogen Oxide	R6	5	14	29	75	10	25	0.0705	0.8384	2.0812	1.9193	2.3164	3.2975	7.1219		1.5253	0.7352	1.4553	3.1545	5.2968	11.6298	8.6382	9.9238	0.2793	6.51	10.49999
Nitrogen Oxide	R6	5	15	29	75	10	29	0.0705	0.8384	2.0812	1.9193	2.3164	3.2975	7.1219		1.5253	0.7352	1.4553	3.1545	5.2968	11.6298	8.6382	9.9238	0.2793	6.5944	10.63612
Nitrogen Oxide	R6	5	16	29	77	10	28	0.069	0.8203	2.0601	1.9034	2.2907	3.2578	7.0427		1.4961	0.7263	1.4372	3.1194	5.2378	11.5005	8.5422	9.8134	0.2727	6.502	10.4871
Nitrogen Oxide	R6	5	17	28	81	10	31	0.0708	0.8418	2.0963	1.9341	2.3365	3.3286	7.1837		1.5476	0.742	1.4693	3.1819	5.3428	11.7308	8.7132	10.0099	0.2843	6.56191	10.58373
Nitrogen Oxide	R6	5	18	28	81	10	27	0.0687	0.8167	2.0667	1.9073	2.3002	3.2725	7.0718		1.5064	0.7294	1.4439	3.1324	5.2596	11.5481	8.5775	9.8544	0.275	6.50894	10.49829
Nitrogen Oxide	R6	5	19	27	84	10	12	0.0693	0.8231	2.0848	1.9248	2.3239	3.3092	7.1451		1.5329	0.7377	1.4604	3.1648	5.314	11.6678	8.6664	9.9561	0.281	6.50578	10.4932
Nitrogen Oxide	R6	5	20	27	87	10	0	0.0673	0.7999	2.057	1.8997	2.2898	3.2565	7.0398		1.4941	0.7259	1.4364	3.1182	5.2358	11.4959	8.5387	9.8095	0.2723	0	0
Nitrogen Oxide	R6	5	21	27	88	10	0	0.0667	0.7921	2.0477	1.8913	2.2783	3.2389	7.0047		1.4813	0.7218	1.4285	3.1026	5.2097	11.4386	8.4961	9.7607	0.2693	0	0
Nitrogen Oxide	R6	5	22	26	86	10	0	0.0689	0.8189	2.0869	1.9274	2.2976	3.3147	7.1561		1.5364	0.7379	1.4628	3.1697	5.3223	11.6857	8.6797	9.9715	0.2819	0	0
Nitrogen Oxide	R6	5	23	26	89	10	0	0.0689	0.8189	2.0869	1.9274	2.2976	3.3147	7.1561		1.5364	0.7379	1.4628	3.1697	5.3223	11.6857	8.6797	9.9715	0.2819	0	0
Nitrogen Oxide	R6	5	24	26	90	10	0	0.0683	0.8115	2.0781	1.9196	2.3168	3.2982	7.1232		1.5243	0.7353	1.4554	3.1551	5.2977	11.6319	8.6398	9.9256	0.2791	0	0
Nitrogen Oxide	R6	6	1	28	88	10	0	0.0639	0.7591	1.9976	1.8451	2.2153	3.1417	6.8109		1.4102	0.7001	1.3845	3.0168	5.0655	11.1219	8.261	9.4905	0.2533	0	0
Nitrogen Oxide	R6	6	2	27	89	10	0	0.066	0.7843	2.0384	1.883	2.2669	3.2214	6.9697		1.4683	0.7179	1.4205	3.0871	5.1836	11.3813	8.4536	9.7118	0.2664	0	0
Nitrogen Oxide	R6	6	3	27	89	10	0	0.066	0.7843	2.0384	1.883	2.2669	3.2214	6.9697		1.4683	0.7179	1.4205	3.0871	5.1836	11.3813	8.4536	9.7118	0.2664	0	0
Nitrogen Oxide	R6	6	4	27	89	10	0	0.0667	0.7921	2.0477	1.8913	2.2783	3.2389	7.0047		1.4813	0.7218	1.4285	3.1026	5.2097	11.4386	8.4961	9.7607	0.2693	0	0
Nitrogen Oxide	R6	6	5	27	89	10	0	0.066	0.7843	2.0384	1.883	2.2669	3.2214	6.9697		1.4683	0.7179	1.4205	3.0871	5.1836	11.3813	8.4536	9.7118	0.2664	0	0
Nitrogen Oxide	R6	6	6	27	90	10	0	0.0654	0.7764	2.0291	1.8746	2.2555	3.2037	6.9346		1.4553	0.714	1.4126	3.0716	5.1575	11.3241	8.4111	9.6629	0.2635	0	0
Nitrogen Oxide	R6	6	7	28	87	10	0	0.0646	0.7674	2.0075	1.854	2.2273	3.1605	6.8481		1.424	0.7043	1.393	3.0333	5.0933	11.1829	8.3062	9.5424	0.2564	0	0
Nitrogen Oxide	R6	6	8	29	82	10	0	0.0653	0.7753	2.0075	1.8532	2.2262	3.1587	6.8446		1.4232	0.704	1.3922	3.0317	5.0906	11.1771	8.302	9.5375	0.2562	0	0
Nitrogen Oxide	R6	6	9	29	79	10	17	0.0674	0.8019	2.039	1.8815	2.2648	3.2182	6.9635		1.4669	0.7174	1.4192	3.0844	5.179	11.3711	8.4461	9.703	0.2661	6.30256	10.16543
Nitrogen Oxide	R6	6	10	30	74	10	32	0.0673	0.7998	2.0229	1.8657	2.2474	3.1852	6.8975		1.4431	0.7103	1.4043	3.0551	5.1298	11.2633	8.366	9.6111	0.2607	6.31745	10.18944
Nitrogen Oxide	R6	6	11	30	75	10	29	0.068	0.8095	2.0341	1.8758	2.2571	3.2062	6.9394		1.4586	0.7149	1.4138	3.0738	5.1612	11.332	8.417	9.6697	0.2642	6.42448	10.36206
Nitrogen Oxide	R6	6	12	30	74	10	28	0.0689	0.8192	2.0452	1.8859	2.2707	3.2273	6.9815		1.4741	0.7197	1.4235	3.0923	5.1924	11.4006	8.468	9.7282	0.2677	6.44519	10.39546
Nitrogen Oxide	R6	6	13	31	73	10	27	0.0672	0.7994	2.0082	1.8514	2.2239	3.155	6.8373		1.4214	0.7039	1.3906	3.0284	5.0852	11.1652	8.2931	9.5273	0.2558	6.29177	10.14802
Nitrogen Oxide	R6	6	14	31	72	10	25	0.068	0.8097	2.0201	1.8621	2.2384	3.1774	6.8819		1.4378	0.7089	1.4008	3.0483	5.1183	11.2379	8.3471	9.5894	0.2595	6.28918	10.14384
Nitrogen Oxide	R6	6	15	30	74	10	29	0.0689	0.8192	2.0452	1.8859	2.2707	3.2273	6.9815		1.4741	0.7197	1.4235	3.0923	5.1924	11.4006	8.468	9.7282	0.2677	6.46368	10.42529

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:

(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.

(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Oxide	R6	8	23	27	88	10	0	0.0667	0.7921	2.0477	1.8913	2.2783	3.2389	7.0047		1.4813	0.7218	1.4285	3.1026	5.2097	11.4386	8.4961	9.7607	0.2693	0	0
Nitrogen Oxide	R6	8	24	27	89	10	0	0.066	0.7843	2.0384	1.883	2.2669	3.2214	6.9697		1.4683	0.7179	1.4205	3.0871	5.1836	11.3813	8.4536	9.7118	0.2664	0	0
Nitrogen Oxide	R6	9	1	27	89	10	0	0.066	0.7843	2.0384	1.883	2.2669	3.2214	6.9697		1.4683	0.7179	1.4205	3.0871	5.1836	11.3813	8.4536	9.7118	0.2664	0	0
Nitrogen Oxide	R6	9	2	26	89	10	0	0.0689	0.8189	2.0869	1.9274	2.3276	3.3147	7.1561		1.5364	0.739	1.4628	3.1697	5.3223	11.6857	8.6797	9.9715	0.2819	0	0
Nitrogen Oxide	R6	9	3	26	91	10	0	0.0676	0.8045	2.0695	1.9117	2.306	3.2816	7.0901		1.5122	0.7317	1.4478	3.1405	5.2732	11.578	8.5997	9.8795	0.2764	0	0
Nitrogen Oxide	R6	9	4	26	92	10	0	0.0671	0.7973	2.0607	1.9038	2.2953	3.2651	7.0571		1.5	0.7279	1.4403	3.1259	5.2486	11.5241	8.5597	9.8336	0.2736	0	0
Nitrogen Oxide	R6	9	5	26	92	10	0	0.0671	0.7973	2.0607	1.9038	2.2953	3.2651	7.0571		1.5	0.7279	1.4403	3.1259	5.2486	11.5241	8.5597	9.8336	0.2736	0	0
Nitrogen Oxide	R6	9	6	26	93	10	0	0.0665	0.7902	2.0519	1.896	2.2846	3.2486	7.0242		1.4879	0.7242	1.4329	3.1112	5.2241	11.4702	8.5197	9.7877	0.2708	0	0
Nitrogen Oxide	R6	9	7	26	93	10	0	0.0665	0.7902	2.0519	1.896	2.2846	3.2486	7.0242		1.4879	0.7242	1.4329	3.1112	5.2241	11.4702	8.5197	9.7877	0.2708	0	0
Nitrogen Oxide	R6	9	8	27	88	10	0	0.0667	0.7921	2.0477	1.8913	2.2783	3.2389	7.0047		1.4813	0.7218	1.4285	3.1026	5.2097	11.4386	8.4961	9.7607	0.2693	0	0
Nitrogen Oxide	R6	9	9	28	83	10	17	0.0674	0.8004	2.047	1.8896	2.2759	3.2351	6.9973		1.4789	0.721	1.4269	3.0993	5.2041	11.4264	8.4871	9.7502	0.2689	6.33338	10.21513
Nitrogen Oxide	R6	9	10	29	78	10	32	0.0682	0.8111	2.0496	1.891	2.2777	3.2381	7.003		1.4816	0.7219	1.4282	3.1019	5.2084	11.4358	8.4941	9.7582	0.2694	6.41473	10.34635
Nitrogen Oxide	R6	9	11	29	76	10	29	0.0697	0.8293	2.0706	1.9099	2.3035	3.2777	7.0823		1.5106	0.7307	1.4463	3.137	5.2673	11.5651	8.5902	9.8686	0.2761	6.55753	10.57666
Nitrogen Oxide	R6	9	12	29	76	10	28	0.0697	0.8293	2.0706	1.9099	2.3035	3.2777	7.0823		1.5108	0.7307	1.4463	3.137	5.2673	11.5651	8.5902	9.8686	0.2761	6.53879	10.54643
Nitrogen Oxide	R6	9	13	30	75	10	27	0.068	0.8095	2.0341	1.8758	2.2571	3.2062	6.9394		1.4586	0.7149	1.4138	3.0738	5.1612	11.332	8.417	9.6697	0.2642	6.38633	10.30054
Nitrogen Oxide	R6	9	14	29	69	10	25	0.0705	0.8384	2.0812	1.9193	2.3164	3.2975	7.1219		1.5253	0.7352	1.4553	3.1545	5.2968	11.6298	8.6382	9.9238	0.2793	6.51	10.49999
Nitrogen Oxide	R6	9	15	29	77	10	29	0.069	0.8203	2.0601	1.9004	2.2907	3.2578	7.0427		1.4961	0.7263	1.4372	3.1194	5.2378	11.5005	8.5422	9.8134	0.2727	6.52064	10.51717
Nitrogen Oxide	R6	9	16	29	76	10	28	0.0697	0.8293	2.0706	1.9099	2.3035	3.2777	7.0823		1.5108	0.7307	1.4463	3.137	5.2673	11.5651	8.5902	9.8686	0.2761	6.53879	10.54643
Nitrogen Oxide	R6	9	17	29	78	10	31	0.0682	0.8111	2.0496	1.891	2.2777	3.2381	7.003		1.4816	0.7219	1.4282	3.1019	5.2084	11.4358	8.4941	9.7582	0.2694	6.39576	10.31574
Nitrogen Oxide	R6	9	18	28	81	10	27	0.0687	0.8167	2.0667	1.9073	2.3002	3.2725	7.0718		1.5064	0.7294	1.4439	3.1324	5.2596	11.5481	8.5775	9.8541	0.275	6.50894	10.49829
Nitrogen Oxide	R6	9	19	29	84	10	12	0.0693	0.8231	2.0848	1.9248	2.3239	3.3092	7.1451		1.5329	0.7377	1.4604	3.1648	5.314	11.6678	8.6664	9.9561	0.2811	6.50578	10.4932
Nitrogen Oxide	R6	9	20	27	86	10	0	0.0679	0.8076	2.0663	1.9081	2.3011	3.2741	7.0749		1.5071	0.7298	1.4445	3.1338	5.2619	11.5532	8.5813	9.8584	0.2752	0	0
Nitrogen Oxide	R6	9	21	27	87	10	0	0.0673	0.7999	2.057	1.8997	2.2898	3.2565	7.0398		1.4941	0.7259	1.4364	3.1182	5.2358	11.4959	8.5387	9.8095	0.2723	0	0
Nitrogen Oxide	R6	9	22	27	89	10	0	0.066	0.7843	2.0384	1.883	2.2669	3.2214	6.9697		1.4683	0.7179	1.4205	3.0871	5.1836	11.3813	8.4536	9.7118	0.2664	0	0
Nitrogen Oxide	R6	9	23	27	89	10	0	0.066	0.7843	2.0384	1.883	2.2669	3.2214	6.9697		1.4683	0.7179	1.4205	3.0871	5.1836	11.3813	8.4536	9.7118	0.2664	0	0
Nitrogen Oxide	R6	9	24	26	89	10	0	0.0689	0.8189	2.0869	1.9274	2.3276	3.3147	7.1561		1.5364	0.739	1.4628	3.1697	5.3223	11.6857	8.6797	9.9715	0.2819	0	0
Nitrogen Oxide	R6	10	1	24	74	10	0	0.0824	0.9821	2.2922	2.1139	2.5817	3.7061	7.9376		1.8229	0.8277	1.6414	3.5035	5.9665	12.9624	9.6278	11.0605	0.3467	0	0
Nitrogen Oxide	R6	10	2	23	74	10	0	0.0846	1.009	2.3269	2.1455	2.6247	3.7753	8.07		1.88	0.8432	1.6718	3.5745	6.0019	13.1779	9.7881	11.2448	0.3603	0	0
Nitrogen Oxide	R6	10	3	23	74	10	0	0.0846	1.009	2.3269	2.1455	2.6247	3.7753	8.07		1.88	0.8432	1.6718	3.5745	6.0019	13.1779	9.7881	11.2448	0.3603	0	0
Nitrogen Oxide	R6	10	4	23	75	10	0	0.0842	1.0031	2.3198	2.139	2.6159	3.7615	8.0426		1.8699	0.8401	1.6656	3.5623	5.9815	13.1333	9.7549	11.2067	0.3581	0	0
Nitrogen Oxide	R6	10	5	23	74	10	0	0.0846	1.009	2.3269	2.1455	2.6247	3.7753	8.07		1.88	0.8432	1.6718	3.5745	6.0019	13.1779	9.7881	11.2448	0.3603	0	0
Nitrogen Oxide	R6	10	6	23	75	10	0	0.0842	1.0031	2.3198	2.139	2.6159	3.7615	8.0426		1.8699	0.8401	1.6656	3.5623	5.9815	13.1333	9.7549	11.2067	0.3581	0	0
Nitrogen Oxide	R6	10	7	23	75	10	0	0.0842	1.0031	2.3198	2.139	2.6159	3.7615	8.0426		1.8699	0.8401	1.6656	3.5623	5.9815	13.1333	9.7549	11.2067	0.3581	0	0
Nitrogen Oxide	R6	10	8	23	72	10	0	0.0856	1.0206	2.3414	2.1585	2.6425	3.8027	8.1246		1.9003	0.8494	1.6842	3.5986	6.0426	13.2672	9.8543	11.3209	0.3649	0	0
Nitrogen Oxide	R6	10	9	24	69	10	17	0.085	1.0136	2.3306	2.1486	2.6291	3.779	8.0832		1.8764	0.844	1.6736	3.5803	6.0117	13.1996	9.8042	11.2633	0.3588	7.32364	11.81231
Nitrogen Oxide	R6	10	10	25	64	10	32	0.0859	1.0242	2.3381	2.1545	2.6372	3.7915	8.108		1.8862	0.8464	1.6793	3.5913	6.0302	13.2401	9.8344	11.298	0.361	7.43355	11.98959
Nitrogen Oxide	R6	10	11	26	61	10	29	0.086	1.0248	2.3317	2.1478	2.628	3.7773	8.0797		1.8764	0.8428	1.673	3.5788	6.0092	13.1939	9.8	11.2585	0.3588	7.48627	12.07462
Nitrogen Oxide	R6	10	12	27	60	10	28	0.0849	1.0124	2.3083	2.1257	2.5979	3.7309	7.987		1.8429	0.8322	1.6519	3.5377	5.9402	13.0426	9.6876	11.1293	0.3512	7.37899	11.90159
Nitrogen Oxide	R6	10	13	27	59	10	27	0.0855	1.0199	2.3176	2.134	2.6092	3.7484	8.0221		1.8559	0.8362	1.66	3.5533	5.9664	13.0998	9.7301	11.1782	0.3542	7.38896	11.91768
Nitrogen Oxide	R6	10	14	27	59	10	25	0.0855	1.0199	2.3176	2.134	2.6092	3.7484	8.0221		1.8559	0.8362	1.66	3.5533	5.9664	13.0998	9.7301	11.1782	0.3542	7.33831	11.83598
Nitrogen Oxide	R6	10	15	27	60	10	29	0.0849	1.0124	2.3083	2.1257	2.5978	3.7309	7.987		1.8429	0.8322	1.6519	3.5377	5.9402	13.0426	9.6876	11.1293	0.3512	7.39995	11.93541
Nitrogen Oxide	R6	10	16	27	62	10	28	0.0836	0.9967	2.2897	2.1089	2.575	3.6957	7.9169		1.8171	0.8244	1.636	3.5066	5.888	12.928	9.6025	11.0315	0.3453	7.31387	11.79657
Nitrogen Oxide	R6	10	17	26	65	10	31	0.0835	0.9955	2.2967	2.1163	2.585	3.7112	7.9478		1.8279	0.828	1.6429	3.5203	5.9111	12.9785	9.6399	11.0746	0.3478	7.26448	11.7169
Nitrogen Oxide	R6	10	18	25	67	10	27	0.0843	1.0038	2.3136	2.1324	2.6069	3.7449	8.0171		1.852	0.8359	1.6582	3.5291	5.9611	13.0883	9.7251	11.1682	0.3533	7.38248	11.90722
Nitrogen Oxide	R6	10	19	25	69	10	12	0.0831	0.9903	2.2972	2.1176	2.5868	3.7139	7.9531		1.8291	0.8289	1.644	3.5226	5.915	12.9871	9.6464	11.082	0.3481	7.24657	11.68801
Nitrogen Oxide	R6	10	20	25	71	10	0	0.082	0.9766	2.2808	2.1028	2.5666	3.6828	7.891		1.8063	0.822	1.63	3.4952	5.8688	12.8858	9.5711	10.9956	0.343	0	0
Nitrogen Oxide	R6	10	21	24	71	10	0	0.084	1.0011	2.3152	2.1348	2.6102	3.7499	8.025		1.855	0.8375	1.6604	3.5545	5.9685	13.1045	9.7336	11.1822	0.354	0	0
Nitrogen Oxide	R6	10	22	24	71	10	0	0.084	1.0011	2.3152	2.1348	2.6102	3.7499	8.025		1.855	0.8375	1.6604	3.5545	5.9685	13.1045	9.7336	11.1822	0.354	0	0
Nitrogen Oxide	R6	10	23	24	72	10	0	0.0835	0.9948	2.3076	2.1278	2.6006	3.7353	7.9959		1.8443	0.8343	1.6537	3.5416	5.9468	13.057	9.6983	11.1416	0.3515	0	0
Nitrogen Oxide	R6	10	24	24	72	10	0	0.0835	0.9948	2.3076	2.1278	2.6006	3.7353	7.9959		1.8443	0.8343	1.6537	3.5416	5.9468	13.057	9.6983	11.1416	0.3515	0	0
Nitrogen Oxide	R6	11	1	21	75	10	0	0.0885	1.0554	2.3848	2.198	2.6962	3.8923	8.2894		1.9817	0.8696	1.7249	3.6716	6.1651	13.5364	10.0544	11.5507	0.3851	0	0
Nitrogen Oxide	R6	11	2	21	74	10	0	0.0889	1.0603	2.3911	2.2037	2.7039	3.9044	8.3134		1.9907	0.8723	1.7304	3.6823	6.183	13.5757	10.0835	11.5841	0.3871	0	0
Nitrogen Oxide	R6	11	3	21	74	10	0	0.0889	1.0603	2.3911	2.2037	2.7039	3.9044	8.3134		1.9907	0.8723	1.7304	3.6823	6.183	13.5757	10.0835	11.5841	0.3871	0	0
Nitrogen Oxide	R6	11	4	21	74	10	0	0.0889	1.0603	2.3911	2.2037	2.7039	3.9044	8.3134		1.9907	0.8723	1.7304	3.6823	6.183	13.5757	10.0835	11.5841	0.3871	0	0
Nitrogen Oxide	R6	11	5	21	74	10	0	0.0889	1.0603	2.3911	2.2037	2.7039	3.9044	8.3134		1.9907	0.8723	1.7304	3.6823	6.183	13.5757	10.0835	11.5841	0.3871	0	0
Nitrogen Oxide	R6	11	6	21	73	10	0	0.0893	1.0652	2.3975	2.2094	2.7118	3.9165	8.3375		1.9997	0.8751	1.7359	3.693	6.2008	13.6148	10.1127	11.6177	0.3892	0	0
Nitrogen Oxide	R6	11	7	21	73	10	0	0.0893	1.0652	2.3975	2.2094	2.7118	3.9165	8.3375		1.9997	0.8751	1.7359	3.693	6.2008	13.6148	10.1127	11.6177	0.3892	0	0
Nitrogen Oxide	R6	11	8	21	70	10	0	0.0905	1.0799	2.4164	2.2266	2.7353	3.9527	8.4096		2.0267	0.8832	1.7524	3.7249	6.2545	13.7326	10.2001	11.7181	0.3953	0	0
Nitrogen Oxide	R6	11	9	21	77	10	17	0.0903	1.0777	2.4139	2.2243	2.7322	3.9444	8.4001		2.0126	0.8813	1.7486	3.7207	6.2475	13.7172	10.1887	11.705	0.3913	7.6138	12.28032
Nitrogen Oxide	R6	11	10	23	61	10	32	0.0908	1.0839	2.4205	2.2303	2.7403	3.9534	8.4251		2.0113	0.8832	1.7527	3.7318	6.2661	13.758	10.2189	11.7398	0.3901	7.7264	12.46193
Nitrogen Oxide	R6	11	11	25	57	10	29	0.0898	1.0703	2.3954	2.2063	2.7077	3.9002	8.325		1.966	0.8708	1.7267	3.6754	6.1945	13.5963	10.0975	11.6045	0.3779	7.71488	12.44304
Nitrogen Oxide	R6	11	12	25	56	10	28	0.0903	1.0771	2.4036	2.2137	2.7178	3.9156	8.356		1.9775	0.8742	1.7357	3.7012	6.2146	13.6451	10.135	11.6434	0.3816	7.72166	12.45429
Nitrogen Oxide	R6	11	13	25	56	10	27	0.0903	1.0771	2.4036	2.2137	2.7178	3.9156	8.356		1.9775	0.8742	1.7357	3.7012	6.2146	13.6451	10.135	11.6434	0.3816	7.69816	12.41639
Nitrogen Oxide	R6	11	14	26	58	10	25	0.0888	1.0597	2.3752	2.1871	2.6816	3.8598	8.2447		1.9371	0.8614	1.7105	3.6518	6.1378	13.4633	10	11.4883	0.3725	7.54312	12.16632
Nitrogen Oxide	R6	11	15	26	57	10	29	0.0882	1.0528	2.3666	2.1793	2.6708	3.8434	8.2118		1.925	0.8578	1.703	3.6372	6.1072	13.4094	9.96	11.4423	0.3697	7.60909	12.27273
Nitrogen Oxide	R6	11	16	25	58	10	28	0.0882	1.0542	2.3873	2.1989	2.6976	3.8846	8.294		1.9546	0.8673	1.7216	3.6737	6.1685	13.5439	10.0599	11.5071	0.3765	7.66419	12.36143
Nitrogen Oxide	R6	11	17	24	63	10	31	0.0881	1.0511	2.3768	2.1903	2.6859	3.8665	8.2578		1.9406	0.8638	1.7133	3.6577	6.1416	13.4848	10.016	11.5067	0.3734	7.54933	12.17665
Nitrogen Oxide	R6	11	18	23	66	10	27	0.0884	1.0552	2.3846	2.1977	2.6959	3.8849	8.2885		1.9608	0.8678	1.7216	3.6713	6.1645	13.5348	10.0532	11.5494	0.3787	7.63611	12.31631
Nitrogen Oxide	R6	11	19	23	70	10	12	0.0865	1.0322	2.3558	2.1715	2.6603	3.83	8.1792		1.9205	0.8555	1.6967	3.6228	6.0831	13.3564	9.9206	11.3971	0.3695	7.45433	12.02312
Nitrogen Oxide	R6	11	20	22	70	10	0	0.0886	1.0565	2.3869	2.1999	2.6988	3.8929	8.2976		1.9745	0.8697	1.7252	3.6753	6.1713	13.5498	10.0642	11.5621	0.3826	0	0
Nitrogen Oxide	R6	11	21	22	71	10	0	0.0877	1.0458	2.3734	2.1876	2.6821	3.8671	8.2464		1.9554	0.8639	1.7135	3.6525	6.1331	13.466	10.0021	11.4907	0.3783	0	0
Nitrogen Oxide	R6	11	22	22	74	10	0	0.0868	1.0351	2.3599	2.1754	2.6655	3.8415	8.1951		1.9363	0.8581	1.7018	3.6299	6.095	13.3823	9.9399	11.4193	0.3739	0	0
Nitrogen Oxide	R6	11	23	22	74	10	0	0.0868	1.0351	2.3599	2.1754	2.6655	3.8415	8.1951		1.9363	0.8581	1.7018	3.6299	6.095	13.3823	9.9399	11.4193	0.3739	0	0
Nitrogen Oxide	R6	11	24	21	74	10	0	0.0889	1.0603	2.3911	2.2037	2.7039	3.9044	8.3134		1.9907	0.8723	1.7304	3.6823	6.183	13.5757	10.0835	11.5841	0.3871	0	0
Nitrogen Oxide	R6	12	1	16	68	10	0	0.1059	1.2669	2.5584	2.3477	2.8997	4.2276	8.9153		2.2761	0.9473	1.8769	3.9489	6.6306	14.5584	10.8135	12.4228	0.4571	0	0
Nitrogen Oxide	R6	12	2	16	69	10	0	0.1055	1.2627	2.5537	2.3436	2.8941	4.2188	8.898		2.2694	0.9454	1.873	3.9412	6.6177	14.5301	10.7924	12.3987	0.4555	0	0
Nitrogen Oxide	R6	12	3	16	69	10	0	0.1055	1.2627	2.5537	2.3436	2.8941	4.2188	8.898		2.2694	0.9454	1.873	3.9412	6.6177	14.5301	10.7924	12.3987	0.4555	0	0
Nitrogen Oxide	R6	12	4	15	70	10	0	0.1085	1.2984	2.5722	2.3582	2.9139	4.254	8.9588		2.3052	0.954	1.8887	3.9682	6.6629	14.6295	10.8662	12.4834	0.4648	0	0
Nitrogen Oxide	R6	12	5	15	70	10	0	0.1085	1.2984	2.5722	2.3582	2.9139	4.254	8.9588		2.3052	0.954	1.8887	3.9682	6.6629	14.6295	10.8662	12.4834	0.4648	0	0
Nitrogen Oxide	R6	12	6	15	70	10	0	0.1085	1.2984	2.5722	2.3582	2.9139	4.254	8.9588		2.3052	0.954	1.8887	3.9682	6.6629	14.6295	10.8662	12.4834	0.4648	0	0
Nitrogen Oxide	R6	12	7	15	70	10	0	0.1085	1.2984	2.5722	2.3582	2.9139	4.254	8.9588		2.3052	0.954	1.8887	3.9682	6.6629	14.6295	10.8662	12.4834	0.4648	0	0
Nitrogen Oxide	R6	12	8	15	69	10	0	0.1087	1.3026	2.5765	2.362	2.9192	4.2622	8.9753		2.3114	0.9559	1.8925	3.9753	6.675	14.6559	10.8859	12.506	0.4663	0	0
Nitrogen Oxide	R6	12	9	16	68	10	17	0.1069	1.2797	2.5722	2.3601	2.9166	4.2539	8.9673		2.296	0.9533	1.8889	3.9719	6.6692	14.6431	10.8764	12.4955	0.4617	8.13544	13.12168
Nitrogen Oxide	R6	12	10	17	62	10	32	0.1049	1.2544	2.5643	2.3548	2.9095	4.2387	8.9454		2.2754	0.9492	1.882	3.9622	6.653	14.6076	10.85	12.4648	0.456	8.20998	13.2419
Nitrogen Oxide	R6	12	11	18	58	10	29	0.1033	1.2355	2.5624	2.3549	2.9097	4.2348	8.9461		2.2635	0.9478	1.8803	3.9625	6.6535	14.6087	10.8508	12.4657	0.4522	8.29627	13.38107
Nitrogen Oxide	R6	12	12	19	57	10	28	0.1008	1.2043	2.5453	2.3413	2.8912	4.2021	8.8893		2.2299	0.94	1.8655	3.9374	6.6113	14.516	10.782	12.3865	0.4436	8.2197	13.25758
Nitrogen Oxide	R6	12	13	19	56	10	27	0.1011	1.2093	2.551	2.3463	2.8981	4.2128	8.9104		2.2379	0.9424	1.8703	3.9468	6.627	14.5504	10.8075	12.416	0.4454	8.21446	13.24913
Nitrogen Oxide	R6	12	14	19	56	10	25	0.1011	1.2093	2.551	2.3463	2.8981	4.2128	8.9104		2.2379	0.9424	1.8703	3.9468	6.627	14.5504	10.8075	12.416	0.4454	8.15878	13.15933
Nitrogen Oxide	R6	12	15	19	57	10	29	0.1011	1.2093	2.551	2.3463	2.8981	4.2128	8.9104		2.2379	0.9424	1.8703	3.9468	6.627	14.5504	10.8075	12.416	0.4454	8.26246	13.32654
Nitrogen Oxide	R6	12	16	19	57	10	28	0.1008	1.2043	2.5453	2.3413	2.8912	4.2021	8.8893		2.2299	0.94	1.8655	3.9374	6.6113	14.516	10.782	12.3865	0.4436	8.2197	13.25758
Nitrogen Oxide	R6	12	17	18	60	10	31	0.1026	1.2261	2.5519	2.3455	2.8969	4.2149	8.9065		2.2484	0.9434	1.8713	3.945	6.6241	14.5441	10.8029	12.4106	0.4488	8.14979	13.14482
Nitrogen Oxide	R6	12	18	18	64	10	27	0.101	1.2073	2.5308	2.3266	2.8712	4.175	8.8276		2.2183	0.9343	1.8532	3.91	6.5653	14.4151	10.707	12.3005	0.4418	8.13833	13.12633
Nitrogen Oxide	R6	12	19	17	65	10	12	0.1037	1.2409	2.5495	2.3416	2.8915	4.2107	8.89		2.2541	0.9429	1.8692	3.9377	6.6118	14.5171	10.7827	12.3875	0.4511	8.11012	13.08083
Nitrogen Oxide	R6	12	20	17	65	10	0	0.1033	1.2365	2.5445	2.3372	2.8854	4.2012	8.8714		2.247	0.9408	1.865	3.9295	6.598	14.4868	10.7603	12.3617	0.4494

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:

(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.

(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Oxide	R7	3	4	20	87	10	0	0.086	1.0251	2.3437	2.1606	2.6451	3.8167	8.1324		1.933	0.8529	1.6905	3.6021	6.0484	13.28	9.8639	11.3319	0.3748	0	0
Nitrogen Oxide	R7	3	5	20	87	10	0	0.086	1.0251	2.3437	2.1606	2.6451	3.8167	8.1324		1.933	0.8529	1.6905	3.6021	6.0484	13.28	9.8639	11.3319	0.3748	0	0
Nitrogen Oxide	R7	3	6	20	87	10	0	0.086	1.0251	2.3437	2.1606	2.6451	3.8167	8.1324		1.933	0.8529	1.6905	3.6021	6.0484	13.28	9.8639	11.3319	0.3748	0	0
Nitrogen Oxide	R7	3	7	20	87	10	0	0.086	1.0251	2.3437	2.1606	2.6451	3.8167	8.1324		1.933	0.8529	1.6905	3.6021	6.0484	13.28	9.8639	11.3319	0.3748	0	0
Nitrogen Oxide	R7	3	8	20	86	10	0	0.0863	1.0297	2.3496	2.166	2.6524	3.8281	8.1549		1.9415	0.8554	1.6957	3.6121	6.0652	13.3168	9.8912	11.3634	0.3768	0	0
Nitrogen Oxide	R7	3	9	21	83	10	15	0.0852	1.0157	2.3342	2.1521	2.6336	3.7956	8.0971		1.9097	0.8479	1.681	3.5865	6.0221	13.2224	9.8211	11.2828	0.3687	2.7368	11.67226
Nitrogen Oxide	R7	3	10	22	79	10	30	0.0845	1.0082	2.3262	2.1448	2.6238	3.777	8.0669		1.8887	0.8436	1.6726	3.5731	5.9997	13.1731	9.7845	11.2407	0.3631	7.35192	11.85793
Nitrogen Oxide	R7	3	11	22	78	10	27	0.085	1.0136	2.3329	2.151	2.6321	3.7899	8.0926		1.8982	0.8465	1.6785	3.5845	6.0187	13.2149	9.8156	11.2764	0.3653	7.45516	12.02446
Nitrogen Oxide	R7	3	12	23	77	10	26	0.0832	0.9914	2.3053	2.1259	2.5981	3.7342	7.988		1.8498	0.834	1.6532	3.5381	5.9409	13.0441	9.6886	11.1306	0.3535	7.33357	11.82834
Nitrogen Oxide	R7	3	13	23	77	10	25	0.0832	0.9914	2.3053	2.1259	2.5981	3.7342	7.988		1.8498	0.834	1.6532	3.5381	5.9409	13.0441	9.6886	11.1306	0.3535	7.30739	11.78612
Nitrogen Oxide	R7	3	14	23	77	10	23	0.0832	0.9914	2.3053	2.1259	2.5981	3.7342	7.988		1.8498	0.834	1.6532	3.5381	5.9409	13.0441	9.6886	11.1306	0.3535	7.24821	11.69066
Nitrogen Oxide	R7	3	15	23	76	10	27	0.0837	0.9973	2.3125	2.1325	2.607	3.7478	8.0152		1.8598	0.837	1.6593	3.5503	5.9612	13.0887	9.7218	11.1686	0.3558	7.38299	11.90805
Nitrogen Oxide	R7	3	16	23	77	10	26	0.0832	0.9914	2.3053	2.1259	2.5981	3.7342	7.988		1.8498	0.834	1.6532	3.5381	5.9409	13.0441	9.6886	11.1306	0.3535	7.33357	11.82834
Nitrogen Oxide	R7	3	17	22	79	10	29	0.0845	1.0082	2.3262	2.1448	2.6238	3.777	8.0669		1.8887	0.8436	1.6726	3.5731	5.9997	13.1731	9.7845	11.2407	0.3631	7.32726	11.81816
Nitrogen Oxide	R7	3	18	22	82	10	25	0.0832	0.992	2.3059	2.1265	2.5987	3.7384	7.99		1.8601	0.8349	1.6551	3.5391	5.9424	13.0473	9.6912	11.1353	0.3566	7.30974	11.78991
Nitrogen Oxide	R7	3	19	21	84	10	10	0.0847	1.0107	2.3279	2.1464	2.6258	3.7835	8.0732		1.9008	0.8452	1.6755	3.5758	6.0043	13.1832	9.792	11.2493	0.3666	7.21526	11.63752
Nitrogen Oxide	R7	3	20	21	85	10	0	0.0843	1.0057	2.3215	2.1406	2.618	3.7714	8.0491		1.8918	0.8425	1.67	3.5652	5.9864	13.144	9.7629	11.2158	0.3646	0	0
Nitrogen Oxide	R7	3	21	21	86	10	0	0.084	1.0007	2.3152	2.1349	2.6101	3.7593	8.025		1.8828	0.8398	1.6645	3.5546	5.9685	13.1047	9.7337	11.1823	0.3625	0	0
Nitrogen Oxide	R7	3	22	21	86	10	0	0.084	1.0007	2.3152	2.1349	2.6101	3.7593	8.025		1.8828	0.8398	1.6645	3.5546	5.9685	13.1047	9.7337	11.1823	0.3625	0	0
Nitrogen Oxide	R7	3	23	21	85	10	0	0.0843	1.0057	2.3215	2.1406	2.618	3.7714	8.0491		1.8918	0.8425	1.67	3.5652	5.9864	13.144	9.7629	11.2158	0.3646	0	0
Nitrogen Oxide	R7	3	24	21	86	10	0	0.084	1.0007	2.3152	2.1349	2.6101	3.7593	8.025		1.8828	0.8398	1.6645	3.5546	5.9685	13.1047	9.7337	11.1823	0.3625	0	0
Nitrogen Oxide	R7	4	1	20	83	10	0	0.0875	1.0436	2.3674	2.1821	2.6744	3.8621	8.2226		1.9669	0.8631	1.7112	3.642	6.1154	13.4271	9.9732	11.4575	0.3826	0	0
Nitrogen Oxide	R7	4	2	20	85	10	0	0.0867	1.0343	2.3555	2.1714	2.6597	3.8394	8.1775		1.9499	0.858	1.7009	3.6221	6.0818	13.3536	9.9186	11.3947	0.3787	0	0
Nitrogen Oxide	R7	4	3	20	84	10	0	0.0871	1.0389	2.3614	2.1768	2.667	3.8507	8.2		1.9585	0.8605	1.7061	3.632	6.0986	13.3904	9.9459	11.4261	0.3807	0	0
Nitrogen Oxide	R7	4	4	20	85	10	0	0.0867	1.0343	2.3555	2.1714	2.6597	3.8394	8.1775		1.9499	0.858	1.7009	3.6221	6.0818	13.3536	9.9186	11.3947	0.3787	0	0
Nitrogen Oxide	R7	4	5	19	84	10	0	0.0897	1.0703	2.3936	2.2053	2.706	3.9146	8.3197		2.014	0.8753	1.7351	3.6851	6.1877	13.5858	10.091	11.5929	0.3942	0	0
Nitrogen Oxide	R7	4	6	19	84	10	0	0.0897	1.0703	2.3936	2.2053	2.706	3.9146	8.3197		2.014	0.8753	1.7351	3.6851	6.1877	13.5858	10.091	11.5929	0.3942	0	0
Nitrogen Oxide	R7	4	7	20	84	10	0	0.0871	1.0389	2.3614	2.1768	2.667	3.8507	8.2		1.9585	0.8605	1.7061	3.632	6.0986	13.3904	9.9459	11.4261	0.3807	0	0
Nitrogen Oxide	R7	4	8	21	79	10	0	0.0868	1.0356	2.3595	2.1751	2.6649	3.8439	8.1932		1.9457	0.8588	1.703	3.6291	6.0936	13.3794	9.9377	11.4167	0.3769	0	0
Nitrogen Oxide	R7	4	9	22	73	10	15	0.0873	1.0405	2.3667	2.1815	2.6738	3.8542	8.2207		1.9459	0.861	1.7077	3.6412	6.114	13.4242	9.9711	11.455	0.3761	7.3474	11.85065
Nitrogen Oxide	R7	4	10	23	69	10	30	0.087	1.038	2.363	2.1781	2.6692	3.8438	8.2065		1.9306	0.8586	1.7029	3.635	6.1035	13.4011	9.9538	11.4352	0.3718	7.47938	12.06352
Nitrogen Oxide	R7	4	11	23	68	10	27	0.0875	1.0438	2.3702	2.1847	2.6781	3.8575	8.2339		1.9406	0.8617	1.7091	3.6471	6.1238	13.4456	9.9869	11.4732	0.3741	7.58554	12.23475
Nitrogen Oxide	R7	4	12	24	66	10	26	0.0865	1.0324	2.3537	2.1695	2.6575	3.8228	8.1705		1.9085	0.8539	1.6934	3.619	6.0767	13.3422	9.9102	11.385	0.366	7.50162	12.09939
Nitrogen Oxide	R7	4	13	24	65	10	25	0.0871	1.0387	2.3614	2.1764	2.667	3.8373	8.1997		1.9192	0.8571	1.7	3.6319	6.0983	13.3898	9.9454	11.4253	0.3685	7.50172	12.09954
Nitrogen Oxide	R7	4	14	24	66	10	23	0.0865	1.0324	2.3537	2.1695	2.6575	3.8228	8.1705		1.9085	0.8539	1.6934	3.619	6.0767	13.3422	9.9102	11.385	0.366	7.41438	11.95867
Nitrogen Oxide	R7	4	15	24	66	10	27	0.0865	1.0324	2.3537	2.1695	2.6575	3.8228	8.1705		1.9085	0.8539	1.6934	3.619	6.0767	13.3422	9.9102	11.385	0.366	7.5264	12.13935
Nitrogen Oxide	R7	4	16	24	67	10	26	0.0861	1.0261	2.346	2.1625	2.648	3.8082	8.1414		1.8978	0.8506	1.6869	3.6061	6.055	13.2947	9.8748	11.3444	0.3637	7.47475	12.05605
Nitrogen Oxide	R7	4	17	24	69	10	29	0.087	1.038	2.363	2.1781	2.6692	3.8438	8.2065		1.9306	0.8586	1.7029	3.635	6.1035	13.4011	9.9538	11.4352	0.3718	7.45431	12.02308
Nitrogen Oxide	R7	4	18	22	74	10	25	0.0868	1.0351	2.3599	2.1754	2.6655	3.8415	8.1951		1.9363	0.8581	1.7018	3.6299	6.095	13.3823	9.9399	11.4193	0.3739	7.49852	12.09439
Nitrogen Oxide	R7	4	19	22	76	10	10	0.0859	1.0244	2.3464	2.1632	2.6488	3.8157	8.1438		1.9173	0.8523	1.6902	3.6072	6.0569	13.2987	9.8778	11.3478	0.3695	7.27818	11.739
Nitrogen Oxide	R7	4	20	21	79	10	0	0.0868	1.0356	2.3595	2.1751	2.6649	3.8439	8.1932		1.9457	0.8588	1.703	3.6291	6.0936	13.3794	9.9377	11.4167	0.3769	0	0
Nitrogen Oxide	R7	4	21	21	80	10	0	0.0864	1.0306	2.3532	2.1693	2.6571	3.8318	8.1693		1.9368	0.8561	1.6974	3.6184	6.0758	13.3401	9.9086	11.3833	0.3749	0	0
Nitrogen Oxide	R7	4	22	21	81	10	0	0.0861	1.0257	2.3469	2.1635	2.6492	3.8198	8.1432		1.9278	0.8534	1.6919	3.6078	6.0579	13.3009	9.8794	11.3497	0.3728	0	0
Nitrogen Oxide	R7	4	23	21	82	10	0	0.0856	1.0207	2.3405	2.1579	2.6413	3.8077	8.1212		1.9187	0.8507	1.6864	3.5972	6.0401	13.2617	9.8504	11.3158	0.3708	0	0
Nitrogen Oxide	R7	4	24	20	82	10	0	0.0879	1.0481	2.3732	2.1875	2.6817	3.8735	8.245		1.9754	0.8656	1.7163	3.652	6.1322	13.4639	10.0006	11.4889	0.3845	0	0
Nitrogen Oxide	R7	5	1	26	91	10	0	0.0676	0.8045	2.0695	1.9117	2.306	3.2816	7.0901		1.5122	0.7317	1.4478	3.1405	5.2732	11.578	8.5997	9.8795	0.2764	0	0
Nitrogen Oxide	R7	5	2	25	92	10	0	0.07	0.833	2.1084	1.9476	2.3549	3.3568	7.2401		1.5668	0.7488	1.4819	3.2069	5.3848	11.8229	8.7817	10.0885	0.2882	0	0
Nitrogen Oxide	R7	5	3	25	92	10	0	0.07	0.833	2.1084	1.9476	2.3549	3.3568	7.2401		1.5668	0.7488	1.4819	3.2069	5.3848	11.8229	8.7817	10.0885	0.2882	0	0
Nitrogen Oxide	R7	5	4	25	91	10	0	0.0707	0.84	2.1166	1.9549	2.3648	3.3723	7.2711		1.5781	0.7521	1.4889	3.2206	5.4078	11.8735	8.8192	10.1317	0.2913	0	0
Nitrogen Oxide	R7	5	5	25	92	10	0	0.07	0.833	2.1084	1.9476	2.3549	3.3568	7.2401		1.5668	0.7488	1.4819	3.2069	5.3848	11.8229	8.7817	10.0885	0.2887	0	0
Nitrogen Oxide	R7	5	6	25	93	10	0	0.0694	0.8262	2.1002	1.9401	2.3448	3.3412	7.2091		1.5554	0.7453	1.4748	3.1932	5.3616	11.7723	8.744	10.0454	0.2861	0	0
Nitrogen Oxide	R7	5	7	26	91	10	0	0.0676	0.8045	2.0695	1.9117	2.306	3.2816	7.0901		1.5122	0.7317	1.4478	3.1405	5.2732	11.578	8.5997	9.8795	0.2764	0	0
Nitrogen Oxide	R7	5	8	27	85	10	0	0.0686	0.8154	2.0756	1.9165	2.3125	3.2916	7.1101		1.5199	0.7338	1.4525	3.1492	5.2879	11.6104	8.6238	9.9073	0.2782	0	0
Nitrogen Oxide	R7	5	9	28	80	10	15	0.0693	0.8247	2.0766	1.9163	2.3122	3.2912	7.1092		1.5201	0.7336	1.4524	3.1489	5.2873	11.609	8.6228	9.9061	0.2782	6.3456	10.23484
Nitrogen Oxide	R7	5	10	28	78	10	30	0.0708	0.8428	2.0963	1.9341	2.3365	3.3286	7.1837		1.5476	0.742	1.4693	3.1819	5.3428	11.7308	8.7132	10.0099	0.2843	6.54118	10.5503
Nitrogen Oxide	R7	5	11	29	77	10	27	0.069	0.8203	2.0601	1.9004	2.2907	3.2578	7.0427		1.4961	0.7263	1.4372	3.1194	5.2378	11.5005	8.5422	9.8134	0.2727	6.48197	10.4548
Nitrogen Oxide	R7	5	12	29	75	10	26	0.0705	0.8384	2.0812	1.9193	2.3164	3.2975	7.1219		1.5253	0.7352	1.4553	3.1545	5.2968	11.6298	8.6382	9.9238	0.2793	6.53353	10.53795
Nitrogen Oxide	R7	5	13	29	74	10	25	0.0712	0.8475	2.0917	1.9288	2.3293	3.3174	7.1615		1.5399	0.7396	1.4643	3.172	5.3263	11.6945	8.6863	9.9789	0.2826	6.54644	10.55878
Nitrogen Oxide	R7	5	14	29	75	10	25	0.0705	0.8384	2.0812	1.9193	2.3164	3.2975	7.1219		1.5253	0.7352	1.4553	3.1545	5.2968	11.6298	8.6382	9.9238	0.2793	6.45679	10.41417
Nitrogen Oxide	R7	5	15	29	75	10	27	0.0705	0.8384	2.0812	1.9193	2.3164	3.2975	7.1219		1.5253	0.7352	1.4553	3.1545	5.2968	11.6298	8.6382	9.9238	0.2793	6.55532	10.5731
Nitrogen Oxide	R7	5	16	29	77	10	26	0.069	0.8203	2.0601	1.9004	2.2907	3.2578	7.0427		1.4961	0.7263	1.4372	3.1194	5.2378	11.5005	8.5422	9.8134	0.2727	6.41001	10.42601
Nitrogen Oxide	R7	5	17	28	81	10	29	0.0708	0.8418	2.0963	1.9341	2.3365	3.3286	7.1837		1.5476	0.742	1.4693	3.1819	5.3428	11.7308	8.7132	10.0099	0.2843	6.51903	10.51456
Nitrogen Oxide	R7	5	18	28	81	10	25	0.0687	0.8167	2.0667	1.9073	2.3002	3.2725	7.0718		1.5064	0.7294	1.4439	3.1324	5.2596	11.5481	8.5773	9.8541	0.275	6.46391	10.42566
Nitrogen Oxide	R7	5	19	27	84	10	10	0.0693	0.8231	2.0848	1.9248	2.3239	3.3092	7.1451		1.5329	0.7377	1.4604	3.1648	5.314	11.6678	8.6664	9.9563	0.281	6.37792	10.28697
Nitrogen Oxide	R7	5	20	27	87	10	0	0.0673	0.7999	2.057	1.8997	2.2898	3.2565	7.0398		1.4941	0.7259	1.4364	3.1182	5.2358	11.4959	8.5387	9.8095	0.2723	0	0
Nitrogen Oxide	R7	5	21	27	88	10	0	0.0667	0.7921	2.0477	1.8913	2.2783	3.2389	7.0047		1.4813	0.7218	1.4285	3.1026	5.2097	11.4386	8.4961	9.7607	0.2693	0	0
Nitrogen Oxide	R7	5	22	26	89	10	0	0.0689	0.8189	2.0869	1.9274	2.3276	3.3147	7.1561		1.5364	0.739	1.4628	3.1697	5.3223	11.6857	8.6797	9.9715	0.2819	0	0
Nitrogen Oxide	R7	5	23	26	89	10	0	0.0689	0.8189	2.0869	1.9274	2.3276	3.3147	7.1561		1.5364	0.739	1.4628	3.1697	5.3223	11.6857	8.6797	9.9715	0.2819	0	0
Nitrogen Oxide	R7	5	24	26	90	10	0	0.0683	0.8115	2.0781	1.9196	2.3168	3.2982	7.1232		1.5243	0.7353	1.4554	3.1551	5.2977	11.6319	8.6398	9.9256	0.2791	0	0
Nitrogen Oxide	R7	6	1	28	88	10	0	0.0639	0.7591	1.9976	1.8451	2.2153	3.1417	6.8109		1.4102	0.7001	1.3845	3.0168	5.0655	11.1219	8.261	9.4905	0.2533	0	0
Nitrogen Oxide	R7	6	2	27	89	10	0	0.066	0.7843	2.0384	1.883	2.2669	3.2214	6.9697		1.4683	0.7179	1.4205	3.0871	5.1836	11.3813	8.4536	9.7118	0.2664	0	0
Nitrogen Oxide	R7	6	3	27	89	10	0	0.066	0.7843	2.0384	1.883	2.2669	3.2214	6.9697		1.4683	0.7179	1.4205	3.0871	5.1836	11.3813	8.4536	9.7118	0.2664	0	0
Nitrogen Oxide	R7	6	4	27	88	10	0	0.0667	0.7921	2.0477	1.8913	2.2783	3.2389	7.0047		1.4813	0.7218	1.4285	3.1026	5.2097	11.4386	8.4961	9.7607	0.2693	0	0
Nitrogen Oxide	R7	6	5	27	89	10	0	0.066	0.7843	2.0384	1.883	2.2669	3.2214	6.9697		1.4683	0.7179	1.4205	3.0871	5.1836	11.3813	8.4536	9.7118	0.2664	0	0
Nitrogen Oxide	R7	6	6	27	90	10	0	0.0654	0.7764	2.0291	1.8746	2.2555	3.2037	6.9346		1.4553	0.714	1.4126	3.0716	5.1575	11.3241	8.4111	9.6629	0.2635	0	0
Nitrogen Oxide	R7	6	7	28	87	10	0	0.0646	0.7674	2.0075	1.854	2.2273	3.1605	6.8481		1.424	0.7043	1.393	3.0333	5.0933	11.1829	8.3062	9.5424	0.2564	0	0
Nitrogen Oxide	R7	6	8	29	82	10	0	0.0653	0.7753	2.0075	1.8532	2.2273	3.1587	6.8446		1.4232	0.7041	1.3922	3.0317	5.0906	11.1771	8.302	9.5375	0.2562	0	0
Nitrogen Oxide	R7	6	9	29	79	10	15	0.0674	0.8019	2.039	1.8815	2.2648	3.2182	6.9635		1.4669	0.7174	1.4192	3.0844	5.179	11.3711	8.4461	9.703	0.2661	6.21444	10.02329
Nitrogen Oxide	R7	6	10	30	76	10	30	0.0673	0.7998	2.0229	1.8657	2.2434	3.1852	6.8975		1.4431	0.7103	1.4043	3.0551	5.1298	11.2633	8.366	9.6111	0.2607	6.27828	10.12707
Nitrogen Oxide	R7	6	11	30	75	10	27	0.068	0.8095	2.0341	1.8758	2.2571	3.2062	6.9394		1.4586	0.7149	1.4138	3.0738	5.1612	11.332	8.417	9.6697	0.2642	6.38633	10.30054
Nitrogen Oxide	R7	6	12	30	74	10	26	0.0689	0.8192	2.0452	1.8859	2.2707	3.2273	6.9815		1.4741	0.7197	1.4235	3.0923	5.1924	11.4006	8.468	9.7282	0.2677	6.40393	10.32892
Nitrogen Oxide	R7	6	13	31	73	10	25	0.0672	0.7994	2.0082	1.8514	2.2239	3.155	6.8373		1.4214	0.7039	1.3906	3.0284	5.0852	11.1652	8.2951	9.5223	0.2558	6.24813	10.07763
Nitrogen Oxide	R7	6	14	31	72	10	23	0.068	0.8097	2.0201	1.8621	2.2384	3.1774	6.8819		1.4378	0.7089	1.4008	3.0483	5.1183	11.2379	8.3471	9.5843	0.2585	6.23754	10.06071
Nitrogen Oxide	R7	6	15	30	74	10	27	0.0689	0.8192	2.0452	1.8859	2.2707	3.2273	6.9815		1.4741	0.7197	1.4235	3.0923	5.1924	11.4006	8.468	9.7282	0.2677	6.42532	10.36342
Nitrogen Oxide	R7	6	16	30	74	10	26	0.0689	0.8192	2.0452	1.8859	2.2707	3.2273	6.9815		1.4741	0.7197	1.4235	3.0923	5.1924	11.4006	8.468	9.7282	0.2677	6.40393	10.32892
Nitrogen Oxide	R7	6	17	30	75	10	29	0.068	0.8095	2.0341	1.8758	2.2571	3.2062	6.9394		1.4586	0.7149	1.4138	3.0738	5.1612	11.332	8.417	9.6697	0.2642	6.29574	10.15443
Nitrogen Oxide	R7	6	18	29	79	10	25	0.0674	0.8019	2.039	1.8815	2.2648	3.2182	6.9635		1.4669	0.7174	1.4192	3.0844	5.179	11.3711	8.4461	9.703	0.2661	6.36425	10.26492
Nitrogen Oxide	R7	6	19	29	81	10	10	0.0659	0.7841	2.018	1.8626	2.2391	3.1785	6.8843		1.4377	0.7084	1.4012	3.0493	5.1201	11.2418	8.35	9.5927	0.2595	6.14314	9.90829
Nitrogen Oxide	R7	6	20	28	85	10	0	0.0674	0.8004	2.047	1.8896	2.2759	3.2351	6.9973		1.4789	0.7211	1.4269	3.0993	5.2041	11.4264	8.4871	9.7502	0.2689	0	0
Nitrogen Oxide	R7	6	21	28	85	10	0	0.0659	0.784	2.0272	1.8718	2.2516	3.1978	6.9227		1.4514	0.7127	1.4099	3.0663	5.1487	11.3046	8.3966	9.6463	0.2626	0	0
Nitrogen Oxide	R7	6	22	28	87	10	0	0.0653	0.7757	2.0173	1.8629	2.2395	3.1791	6.8854		1.4377	0.7085	1.4014	3.0498	5.1209	11.2437	8.3515	9.5943	0.2595	0	0
Nitrogen Oxide	R7	6	23	28	87	10	0	0.0646	0.7674	2.0075	1.854	2.2273	3.1605	6.8481		1.424	0.7043	1.393	3.0333	5.0933	11.1829	8.3062	9.5424	0.2564	0	0
Nitrogen Oxide	R7	6	24	28	87	10	0	0.0646	0.7674	2.0075	1.854	2.2273	3.1605	6.8481		1.424	0.7043	1.393	3.0333	5.0933	11.1829	8.3062	9.5424	0.2564	0	0
Nitrogen Oxide	R7	7	1	28	84	10	0	0.0667	0.7922	2.0371	1.8806	2.2638	3.2165	6.96		1.4652	0.7168	1.4184	3.0828	5.1764	11.3654	8.4419	9.6982

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:

(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.

(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Oxide	R7	9	9	28	83	10	15	0.0674	0.8004	2.047	1.8896	2.2759	3.2351	6.9973		1.4789	0.721	1.4269	3.0993	5.2041	11.4264	8.4871	9.7502	0.2689	6.24486	10.07235
Nitrogen Oxide	R7	9	10	29	78	10	30	0.0682	0.8111	2.0496	1.891	2.2777	3.2381	7.003		1.4816	0.7219	1.4282	3.1019	5.2084	11.4358	8.4941	9.7582	0.2694	6.37552	10.28309
Nitrogen Oxide	R7	9	11	29	76	10	22	0.0697	0.8293	2.0706	1.9099	2.3035	3.2777	7.0823		1.5108	0.7307	1.4463	3.137	5.2673	11.5651	8.5902	9.8686	0.2761	6.51866	10.51396
Nitrogen Oxide	R7	9	12	29	76	10	26	0.0697	0.8293	2.0706	1.9099	2.3035	3.2777	7.0823		1.5108	0.7307	1.4463	3.137	5.2673	11.5651	8.5902	9.8686	0.2761	6.49698	10.479
Nitrogen Oxide	R7	9	13	30	75	10	25	0.068	0.8095	2.0341	1.8758	2.2571	3.2062	6.9394		1.4586	0.7149	1.4138	3.0738	5.1612	11.332	8.417	9.6697	0.2642	6.34209	10.22917
Nitrogen Oxide	R7	9	14	29	75	10	23	0.0705	0.8384	2.0812	1.9193	2.3164	3.2975	7.1219		1.5253	0.7352	1.4553	3.1545	5.2968	11.6298	8.6382	9.9238	0.2793	6.45679	10.41417
Nitrogen Oxide	R7	9	15	29	77	10	27	0.069	0.8203	2.0601	1.9004	2.2907	3.2578	7.0427		1.4961	0.7263	1.4372	3.1194	5.2378	11.5005	8.5422	9.8134	0.2727	6.48197	10.4548
Nitrogen Oxide	R7	9	16	29	76	10	26	0.0697	0.8293	2.0706	1.9099	2.3035	3.2777	7.0823		1.5108	0.7307	1.4463	3.137	5.2673	11.5651	8.5902	9.8686	0.2761	6.49698	10.479
Nitrogen Oxide	R7	9	17	29	78	10	29	0.0682	0.8111	2.0496	1.891	2.2777	3.2381	7.003		1.4816	0.7219	1.4282	3.1019	5.2084	11.4358	8.4941	9.7582	0.2694	6.35388	10.24819
Nitrogen Oxide	R7	9	18	28	81	10	25	0.0682	0.8167	2.0667	1.9073	2.3002	3.2725	7.0718		1.5064	0.7294	1.4439	3.1324	5.2596	11.5491	8.5775	9.8543	0.275	6.46391	10.42566
Nitrogen Oxide	R7	9	19	27	84	10	10	0.0693	0.8231	2.0848	1.9248	2.3239	3.3092	7.1451		1.5329	0.7377	1.4604	3.1648	5.314	11.6678	8.6664	9.9561	0.281	6.37792	10.28697
Nitrogen Oxide	R7	9	20	27	86	10	0	0.0679	0.8076	2.0663	1.9081	2.3011	3.2741	7.0749		1.5071	0.7298	1.4445	3.1338	5.2619	11.5532	8.5813	9.8584	0.2752	0	0
Nitrogen Oxide	R7	9	21	27	87	10	0	0.0673	0.7999	2.057	1.8997	2.2898	3.2565	7.0398		1.4941	0.7259	1.4364	3.1182	5.2358	11.4959	8.5387	9.8095	0.2723	0	0
Nitrogen Oxide	R7	9	22	27	89	10	0	0.066	0.7843	2.0384	1.883	2.2669	3.2214	6.9697		1.4683	0.7179	1.4205	3.0871	5.1836	11.3813	8.4536	9.7118	0.2664	0	0
Nitrogen Oxide	R7	9	23	27	89	10	0	0.066	0.7843	2.0384	1.883	2.2669	3.2214	6.9697		1.4683	0.7179	1.4205	3.0871	5.1836	11.3813	8.4536	9.7118	0.2664	0	0
Nitrogen Oxide	R7	9	24	26	89	10	0	0.0689	0.8189	2.0869	1.9274	2.3276	3.3147	7.1561		1.5364	0.739	1.4628	3.1697	5.3223	11.6857	8.6797	9.9715	0.2819	0	0
Nitrogen Oxide	R7	10	1	24	74	10	0	0.0824	0.9821	2.2922	2.1139	2.5817	3.7063	7.9376		1.8229	0.8277	1.6404	3.5158	5.9035	12.962	9.6276	11.0605	0.3467	0	0
Nitrogen Oxide	R7	10	2	23	74	10	0	0.0846	1.009	2.3269	2.1455	2.6247	3.7753	8.07		1.88	0.8432	1.6718	3.5745	6.0019	13.1779	9.7881	11.2448	0.3603	0	0
Nitrogen Oxide	R7	10	3	23	74	10	0	0.0846	1.009	2.3269	2.1455	2.6247	3.7753	8.07		1.88	0.8432	1.6718	3.5745	6.0019	13.1779	9.7881	11.2448	0.3603	0	0
Nitrogen Oxide	R7	10	4	23	75	10	0	0.0842	1.0031	2.3198	2.139	2.6159	3.7615	8.0426		1.8699	0.8401	1.6656	3.5623	5.9815	13.1333	9.7549	11.2067	0.3581	0	0
Nitrogen Oxide	R7	10	5	24	74	10	0	0.0846	1.009	2.3269	2.1455	2.6247	3.7753	8.07		1.88	0.8432	1.6718	3.5745	6.0019	13.1779	9.7881	11.2448	0.3603	0	0
Nitrogen Oxide	R7	10	6	23	75	10	0	0.0842	1.0031	2.3198	2.139	2.6159	3.7615	8.0426		1.8699	0.8401	1.6656	3.5623	5.9815	13.1333	9.7549	11.2067	0.3581	0	0
Nitrogen Oxide	R7	10	7	23	75	10	0	0.0842	1.0031	2.3198	2.139	2.6159	3.7615	8.0426		1.8699	0.8401	1.6656	3.5623	5.9815	13.1333	9.7549	11.2067	0.3581	0	0
Nitrogen Oxide	R7	10	8	23	72	10	0	0.0856	1.0206	2.3414	2.1585	2.6425	3.8027	8.1246		1.9003	0.8494	1.6842	3.5986	6.0426	13.2672	9.8543	11.3209	0.3649	0	0
Nitrogen Oxide	R7	10	9	24	69	10	15	0.085	1.0136	2.3306	2.1486	2.6291	3.779	8.0832		1.8764	0.844	1.6736	3.5803	6.0117	13.1996	9.8042	11.2633	0.3588	7.22236	11.64897
Nitrogen Oxide	R7	10	10	25	64	10	30	0.0859	1.0242	2.3381	2.1545	2.6372	3.7915	8.108		1.8862	0.8464	1.6793	3.5913	6.0302	13.2401	9.8344	11.298	0.361	7.38858	11.91707
Nitrogen Oxide	R7	10	11	26	61	10	27	0.086	1.0248	2.3317	2.1478	2.6229	3.7773	8.0797		1.8764	0.8428	1.673	3.5788	6.0092	13.1939	9.8	11.2539	0.3588	7.44251	12.00372
Nitrogen Oxide	R7	10	12	27	60	10	26	0.0849	1.0124	2.3083	2.1257	2.5978	3.7309	7.987		1.8429	0.8322	1.6519	3.5377	5.9402	13.0426	9.6876	11.1293	0.3512	7.33222	11.82615
Nitrogen Oxide	R7	10	13	27	59	10	25	0.0855	1.0199	2.3176	2.134	2.6092	3.7484	8.0221		1.8559	0.8362	1.66	3.5533	5.9664	13.0998	9.7301	11.1782	0.3542	7.33831	11.83598
Nitrogen Oxide	R7	10	14	27	59	10	23	0.0855	1.0199	2.3176	2.134	2.6092	3.7484	8.0221		1.8559	0.8362	1.66	3.5533	5.9664	13.0998	9.7301	11.1782	0.3542	7.27885	11.74008
Nitrogen Oxide	R7	10	15	27	60	10	27	0.0849	1.0124	2.3083	2.1257	2.5978	3.7309	7.987		1.8429	0.8322	1.6519	3.5377	5.9402	13.0426	9.6876	11.1293	0.3512	7.35642	11.86527
Nitrogen Oxide	R7	10	16	27	62	10	26	0.0836	0.9967	2.2897	2.1089	2.5775	3.6957	7.9169		1.8171	0.8244	1.636	3.5066	5.888	12.928	9.6025	11.0315	0.3453	7.26748	11.72175
Nitrogen Oxide	R7	10	17	26	65	10	29	0.0835	0.9955	2.2967	2.1163	2.585	3.7112	7.9478		1.8279	0.828	1.6429	3.5203	5.9111	12.9785	9.6399	11.0746	0.3478	7.21735	11.64089
Nitrogen Oxide	R7	10	18	25	67	10	25	0.0843	1.0038	2.3136	2.1324	2.6069	3.7449	8.0151		1.852	0.8359	1.6582	3.5501	5.9611	13.0883	9.7216	11.1684	0.3533	7.33187	11.82559
Nitrogen Oxide	R7	10	19	25	69	10	10	0.0831	0.9903	2.2972	2.1176	2.5868	3.7139	7.9531		1.8291	0.8289	1.644	3.5226	5.915	12.9871	9.6464	11.082	0.3481	7.10526	11.4601
Nitrogen Oxide	R7	10	20	25	71	10	0	0.082	0.9766	2.2808	2.1028	2.5666	3.6828	7.891		1.8063	0.822	1.63	3.4952	5.8688	12.8858	9.5711	10.9956	0.343	0	0
Nitrogen Oxide	R7	10	21	24	71	10	0	0.084	1.0011	2.3152	2.1348	2.6102	3.7499	8.025		1.855	0.8375	1.6604	3.5545	5.9685	13.1045	9.7336	11.1822	0.354	0	0
Nitrogen Oxide	R7	10	22	24	72	10	0	0.084	1.0011	2.3152	2.1348	2.6102	3.7499	8.025		1.855	0.8375	1.6604	3.5545	5.9685	13.1045	9.7336	11.1822	0.354	0	0
Nitrogen Oxide	R7	10	23	24	72	10	0	0.0835	0.9948	2.3076	2.1278	2.6006	3.7353	7.9959		1.8443	0.8343	1.6537	3.5416	5.9468	13.057	9.6983	11.1416	0.3515	0	0
Nitrogen Oxide	R7	10	24	24	72	10	0	0.0835	0.9948	2.3076	2.1278	2.6006	3.7353	7.9959		1.8443	0.8343	1.6537	3.5416	5.9468	13.057	9.6983	11.1416	0.3515	0	0
Nitrogen Oxide	R7	11	1	21	75	10	0	0.0885	1.0554	2.3848	2.198	2.6962	3.8923	8.2894		1.9817	0.8696	1.7249	3.6716	6.1651	13.5364	10.0544	11.5507	0.3851	0	0
Nitrogen Oxide	R7	11	2	21	74	10	0	0.0889	1.0603	2.3911	2.2037	2.7039	3.9044	8.3134		1.9907	0.8723	1.7304	3.6823	6.183	13.5757	10.0835	11.5841	0.3871	0	0
Nitrogen Oxide	R7	11	3	21	74	10	0	0.0889	1.0603	2.3911	2.2037	2.7039	3.9044	8.3134		1.9907	0.8723	1.7304	3.6823	6.183	13.5757	10.0835	11.5841	0.3871	0	0
Nitrogen Oxide	R7	11	4	21	74	10	0	0.0889	1.0603	2.3911	2.2037	2.7039	3.9044	8.3134		1.9907	0.8723	1.7304	3.6823	6.183	13.5757	10.0835	11.5841	0.3871	0	0
Nitrogen Oxide	R7	11	5	21	74	10	0	0.0889	1.0603	2.3911	2.2037	2.7039	3.9044	8.3134		1.9907	0.8723	1.7304	3.6823	6.183	13.5757	10.0835	11.5841	0.3871	0	0
Nitrogen Oxide	R7	11	6	21	73	10	0	0.0893	1.0652	2.3975	2.2094	2.7118	3.9165	8.3375		1.9997	0.8751	1.7359	3.693	6.2008	13.6148	10.1127	11.6177	0.3892	0	0
Nitrogen Oxide	R7	11	7	21	73	10	0	0.0893	1.0652	2.3975	2.2094	2.7118	3.9165	8.3375		1.9997	0.8751	1.7359	3.693	6.2008	13.6148	10.1127	11.6177	0.3892	0	0
Nitrogen Oxide	R7	11	8	21	70	10	0	0.0905	1.0799	2.4164	2.2266	2.7333	3.9527	8.4096		2.0267	0.8832	1.7524	3.7249	6.2545	13.7326	10.2001	11.7181	0.3953	0	0
Nitrogen Oxide	R7	11	9	23	66	10	15	0.0903	1.0777	2.4139	2.2243	2.7322	3.9444	8.4001		2.0124	0.8813	1.7486	3.7207	6.2475	13.7172	10.1867	11.7085	0.3913	7.50896	12.11123
Nitrogen Oxide	R7	11	10	23	61	10	30	0.0908	1.0839	2.4205	2.2303	2.7403	3.9534	8.4251		2.0113	0.8832	1.7527	3.7318	6.2661	13.758	10.2189	11.7398	0.3901	7.67982	12.3868
Nitrogen Oxide	R7	11	11	25	57	10	27	0.0898	1.0706	2.3954	2.2063	2.7077	3.9002	8.325		1.966	0.8708	1.7287	3.6874	6.1916	13.5945	10.0975	11.6003	0.379	7.66947	12.37012
Nitrogen Oxide	R7	11	12	25	56	10	26	0.0903	1.0771	2.4036	2.2137	2.7178	3.9156	8.356		1.9775	0.8742	1.7357	3.7012	6.2146	13.6451	10.135	11.6434	0.3816	7.67286	12.37558
Nitrogen Oxide	R7	11	13	25	56	10	25	0.0903	1.0771	2.4036	2.2137	2.7178	3.9156	8.356		1.9775	0.8742	1.7357	3.7012	6.2146	13.6451	10.135	11.6434	0.3816	7.64554	12.33151
Nitrogen Oxide	R7	11	14	26	56	10	23	0.0888	1.0597	2.3752	2.1871	2.6816	3.8598	8.2447		1.9371	0.8614	1.7105	3.6518	6.1318	13.4633	10	11.4883	0.3725	7.48211	12.06792
Nitrogen Oxide	R7	11	15	26	57	10	27	0.0882	1.0528	2.3666	2.1793	2.6708	3.8434	8.2116		1.925	0.8576	1.703	3.6372	6.1072	13.4094	9.95	11.4423	0.3697	7.56446	12.20074
Nitrogen Oxide	R7	11	16	25	58	10	26	0.0892	1.0642	2.3873	2.1989	2.6976	3.8846	8.294		1.9546	0.8673	1.7216	3.6737	6.1685	13.5439	10.0599	11.5571	0.3765	7.61563	12.28328
Nitrogen Oxide	R7	11	17	24	63	10	29	0.0881	1.0511	2.3768	2.1903	2.6859	3.8665	8.2578		1.9406	0.8638	1.7133	3.6577	6.1416	13.4848	10.016	11.5067	0.3734	7.50068	12.09787
Nitrogen Oxide	R7	11	18	23	66	10	25	0.0884	1.0552	2.3846	2.1977	2.6959	3.8849	8.2885		1.9608	0.8678	1.7216	3.6713	6.1645	13.5348	10.0532	11.5494	0.3787	7.58392	12.23214
Nitrogen Oxide	R7	11	19	23	70	10	10	0.0865	1.0322	2.3558	2.1715	2.6603	3.83	8.1792		1.9205	0.8555	1.6967	3.6228	6.0831	13.3564	9.9206	11.3971	0.3695	7.30936	11.78929
Nitrogen Oxide	R7	11	20	22	70	10	0	0.0886	1.0565	2.3869	2.1999	2.6988	3.8929	8.2976		1.9745	0.8697	1.7252	3.6753	6.1713	13.5498	10.0642	11.5631	0.3826	0	0
Nitrogen Oxide	R7	11	21	22	72	10	0	0.0877	1.0458	2.3734	2.1876	2.6821	3.8673	8.2464		1.9554	0.8639	1.7153	3.6525	6.1331	13.466	10.0021	11.4961	0.3783	0	0
Nitrogen Oxide	R7	11	22	22	74	10	0	0.0868	1.0351	2.3599	2.1754	2.6655	3.8415	8.1951		1.9363	0.858	1.7018	3.6299	6.095	13.3823	9.9399	11.4193	0.3739	0	0
Nitrogen Oxide	R7	11	23	22	74	10	0	0.0868	1.0351	2.3599	2.1754	2.6655	3.8415	8.1951		1.9363	0.858	1.7018	3.6299	6.095	13.3823	9.9399	11.4193	0.3739	0	0
Nitrogen Oxide	R7	11	24	21	74	10	0	0.0889	1.0603	2.3911	2.2037	2.7039	3.9044	8.3134		1.9907	0.8723	1.7304	3.6823	6.183	13.5757	10.0835	11.5841	0.3871	0	0
Nitrogen Oxide	R7	12	1	16	68	10	0	0.1059	1.2669	2.5584	2.3477	2.8999	4.2276	8.9153		2.2761	0.9473	1.8769	3.9489	6.6306	14.5584	10.8135	12.4228	0.4571	0	0
Nitrogen Oxide	R7	12	2	16	69	10	0	0.1055	1.2627	2.5537	2.3436	2.8941	4.2188	8.898		2.2694	0.9454	1.873	3.9412	6.6177	14.5301	10.7924	12.3987	0.4553	0	0
Nitrogen Oxide	R7	12	3	16	69	10	0	0.1055	1.2627	2.5537	2.3436	2.8941	4.2188	8.898		2.2694	0.9454	1.873	3.9412	6.6177	14.5301	10.7924	12.3987	0.4553	0	0
Nitrogen Oxide	R7	12	4	15	70	10	0	0.1085	1.2984	2.5722	2.3582	2.9139	4.254	8.9588		2.3052	0.954	1.8887	3.9682	6.6629	14.6295	10.8662	12.4834	0.4648	0	0
Nitrogen Oxide	R7	12	5	15	70	10	0	0.1085	1.2984	2.5722	2.3582	2.9139	4.254	8.9588		2.3052	0.954	1.8887	3.9682	6.6629	14.6295	10.8662	12.4834	0.4648	0	0
Nitrogen Oxide	R7	12	6	15	70	10	0	0.1085	1.2984	2.5722	2.3582	2.9139	4.254	8.9588		2.3052	0.954	1.8887	3.9682	6.6629	14.6295	10.8662	12.4834	0.4648	0	0
Nitrogen Oxide	R7	12	7	15	70	10	0	0.1085	1.2984	2.5722	2.3582	2.9139	4.254	8.9588		2.3052	0.954	1.8887	3.9682	6.6629	14.6295	10.8662	12.4834	0.4648	0	0
Nitrogen Oxide	R7	12	8	15	69	10	0	0.1087	1.3026	2.5765	2.362	2.9192	4.2622	8.975		2.3114	0.9559	1.8925	3.9753	6.675	14.6559	10.8859	12.506	0.4663	0	0
Nitrogen Oxide	R7	12	9	16	65	10	15	0.1069	1.2797	2.5722	2.3601	2.9166	4.2539	8.9672		2.296	0.9533	1.8889	3.9719	6.6692	14.6431	10.8764	12.4951	0.4617	8.02454	12.94281
Nitrogen Oxide	R7	12	10	17	62	10	30	0.1049	1.2544	2.5643	2.3548	2.9095	4.2387	8.9454		2.2754	0.9492	1.882	3.9622	6.653	14.6076	10.85	12.4648	0.456	8.16095	13.16282
Nitrogen Oxide	R7	12	11	18	58	10	27	0.1033	1.2355	2.5624	2.3549	2.9097	4.2348	8.9461		2.2635	0.9478	1.8803	3.9625	6.6535	14.6087	10.8508	12.4657	0.4522	8.24813	13.30343
Nitrogen Oxide	R7	12	12	19	57	10	26	0.1008	1.2043	2.5453	2.3413	2.8912	4.2021	8.8893		2.2299	0.94	1.8655	3.9374	6.6113	14.516	10.782	12.3865	0.4436	8.16819	13.1745
Nitrogen Oxide	R7	12	13	19	57	10	25	0.1011	1.2093	2.551	2.3463	2.8981	4.2128	8.9104		2.2379	0.9424	1.8703	3.9468	6.627	14.5504	10.8075	12.416	0.4454	8.15878	13.15933
Nitrogen Oxide	R7	12	14	19	56	10	23	0.1011	1.2093	2.551	2.3463	2.8981	4.2128	8.9104		2.2379	0.9424	1.8703	3.9468	6.627	14.5504	10.8075	12.416	0.4454	8.09343	13.05391
Nitrogen Oxide	R7	12	15	19	56	10	27	0.1011	1.2093	2.551	2.3463	2.8981	4.2128	8.9104		2.2379	0.9424	1.8703	3.9468	6.627	14.5504	10.8075	12.416	0.4454	8.21446	13.24913
Nitrogen Oxide	R7	12	16	19	57	10	26	0.1008	1.2043	2.5453	2.3413	2.8912	4.2021	8.8893		2.2299	0.94	1.8655	3.9374	6.6113	14.516	10.782	12.3865	0.4436	8.16819	13.1745
Nitrogen Oxide	R7	12	17	18	60	10	29	0.1026	1.2261	2.5519	2.3455	2.8969	4.2149	8.9065		2.2484	0.9434	1.8713	3.945	6.6241	14.5441	10.8029	12.4106	0.4488	8.0976	13.06065
Nitrogen Oxide	R7	12	18	18	64	10	25	0.101	1.2073	2.5308	2.3266	2.8712	4.175	8.8276		2.2183	0.9343	1.8532	3.91	6.5653	14.4151	10.707	12.3085	0.4418	8.08318	13.03739
Nitrogen Oxide	R7	12	19	17	65	10	10	0.1037	1.2409	2.5495	2.3416	2.8915	4.2147	8.89		2.2541	0.9429	1.8692	3.9377	6.6118	14.5171	10.7873	12.4511	0.4477	7.95414	12.82926
Nitrogen Oxide	R7	12	20	17	66	10	0	0.1033	1.2365	2.5445	2.3372	2.8854	4.2012	8.8714		2.247	0.9408	1.865	3.9295	6.598	14.4868	10.7603	12.3617	0.4494	0	0
Nitrogen Oxide	R7	12	21	17	66	10	0	0.1033	1.2365	2.5445	2.3372	2.8854	4.2012	8.8714		2.247	0.9408	1.865	3.9295	6.598	14.4868	10.7603	12.3617	0.4494	0	0
Nitrogen Oxide	R7	12	22	16	66	10	0	0.1066	1.2755	2.5676	2.356	2.9109	4.2452	8.9499		2.2893	0.9513	1.8849	3.9642	6.6563	14.6149	10.8555	12.473	0.4602	0	0
Nitrogen Oxide	R7	12	23	16	66	10	0	0.1066	1.2755	2.5676	2.356	2.9109	4.2452	8.9499		2.2893	0.9513	1.8849	3.9642	6.6563	14.6149	10.8555	12.473	0.4602	0	0
Nitrogen Oxide	R7	12	24	16	67	10	0	0.1062	1.2713	2.5629	2.3518	2.9054	4.2364	8.9326		2.2827	0.9494	1.8809	3.9565	6.6435	14.5866	10.8344	12.4469	0.4587	0	0
Nitrogen Oxide	R9	1	1	17	76	10	0	0.0996	1.1917	2.4951	2.293	2.8253	4.1077	8.6866		2.1761	0.9197	1.8225	3.8476	6.4605	14.1849	10.536	12.104	0.4331	0	0
Nitrogen Oxide	R9	1	2	17	77	10	0	0.0992	1.1871	2.4901	2.2886	2.8193	4.0983	8.668		2.169	0.9175	1.8183	3.8394	6.4468	14.1547	10.5136	12.0783	0.4315	0	0
Nitrogen Oxide	R9	1	3	17	77	10	0	0.0992	1.1871	2.4901	2.2886	2.8193	4.0983	8.668		2.169	0.9175	1.8183	3.8394	6.4468	14.1547	10.5136	12.0783	0.4315	0	0
Nitrogen Oxide	R9	1	4	17	77	10	0	0.0992	1.1871	2.4901	2.2886	2.8193	4.0983	8.668		2.169	0.9175	1.8183	3.8394	6.4468	14.1547	10.5136	12.0783	0.4315	0	0
Nitrogen Oxide	R9	1	5	17	77	10	0	0.099	1.1826	2.4852	2.2842	2.8133	4.089	8.6496		2.1619	0.9155	1.814	3.8312	6.433	14.1245	10.4912	12.0525	0.4299	0	0
Nitrogen Oxide	R9	1	6	17	77	10	0	0.0992	1.1871	2.4901	2.2886	2.8193	4.0983	8.668		2.169	0.9175	1.8183	3.8394	6.4468	14.1547	10.5136	12.0783	0.4315	0	0
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Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:

(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.

(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Oxide	R9	3	14	23	77	10	2	0.0832	0.9914	2.3053	2.1259	2.5981	3.7342	7.988		1.8498	0.834	1.6532	3.5381	5.9409	13.0441	9.6886	11.1306	0.3535	7.988	12.88387
Nitrogen Oxide	R9	3	15	23	76	10	2	0.0837	0.9973	2.3125	2.1325	2.607	3.7478	8.0152		1.8598	0.837	1.6593	3.5503	5.9612	13.0887	9.7218	11.1686	0.3558	8.0152	12.92774
Nitrogen Oxide	R9	3	16	23	77	10	2	0.0832	0.9914	2.3053	2.1259	2.5981	3.7342	7.988		1.8498	0.834	1.6532	3.5381	5.9409	13.0441	9.6886	11.1306	0.3535	7.988	12.88387
Nitrogen Oxide	R9	3	17	22	79	10	2	0.0845	1.0082	2.3262	2.1448	2.6238	3.777	8.0669		1.8887	0.8436	1.6726	3.5751	5.9997	13.1731	9.7845	11.2407	0.3631	8.0669	13.01113
Nitrogen Oxide	R9	3	18	22	82	10	2	0.0832	0.992	2.3059	2.1265	2.5987	3.7384	7.99		1.8601	0.8349	1.6551	3.5391	5.9424	13.0475	9.6912	11.1335	0.3566	7.99	12.8871
Nitrogen Oxide	R9	3	19	21	84	10	0	0.0847	1.0107	2.3229	2.1464	2.6258	3.7835	8.0732		1.9008	0.8452	1.6755	3.5758	6.0043	13.1832	9.792	11.2493	0.3666	8.0732	13.02129
Nitrogen Oxide	R9	3	20	21	85	10	0	0.0843	1.0057	2.3215	2.1406	2.618	3.7714	8.0491		1.8918	0.8425	1.67	3.5652	5.9864	13.144	9.7629	11.2158	0.3646	0	0
Nitrogen Oxide	R9	3	21	21	86	10	0	0.084	1.0007	2.3152	2.1349	2.6101	3.7593	8.025		1.8828	0.8398	1.6645	3.5546	5.9685	13.1047	9.7337	11.1823	0.3625	0	0
Nitrogen Oxide	R9	3	22	21	86	10	0	0.084	1.0007	2.3152	2.1349	2.6101	3.7593	8.025		1.8828	0.8398	1.6645	3.5546	5.9685	13.1047	9.7337	11.1823	0.3625	0	0
Nitrogen Oxide	R9	3	23	21	85	10	0	0.0843	1.0057	2.3215	2.1406	2.618	3.7714	8.0491		1.8918	0.8425	1.67	3.5652	5.9864	13.144	9.7629	11.2158	0.3646	0	0
Nitrogen Oxide	R9	3	24	21	86	10	0	0.084	1.0007	2.3152	2.1349	2.6101	3.7593	8.025		1.8828	0.8398	1.6645	3.5546	5.9685	13.1047	9.7337	11.1823	0.3625	0	0
Nitrogen Oxide	R9	4	1	20	83	10	0	0.0875	1.0436	2.3674	2.1821	2.6744	3.8621	8.2226		1.9669	0.8631	1.7112	3.642	6.1154	13.4271	9.9732	11.4575	0.3826	0	0
Nitrogen Oxide	R9	4	2	20	85	10	0	0.0867	1.0343	2.3555	2.1714	2.6597	3.8394	8.1775		1.9499	0.858	1.7009	3.6221	6.0818	13.3536	9.9186	11.3947	0.3787	0	0
Nitrogen Oxide	R9	4	3	20	84	10	0	0.0871	1.0389	2.3614	2.1768	2.667	3.8507	8.2		1.9585	0.8605	1.7061	3.632	6.0986	13.3904	9.9459	11.4261	0.3807	0	0
Nitrogen Oxide	R9	4	4	20	85	10	0	0.0867	1.0343	2.3555	2.1714	2.6597	3.8394	8.1775		1.9499	0.858	1.7009	3.6221	6.0818	13.3536	9.9186	11.3947	0.3787	0	0
Nitrogen Oxide	R9	4	5	19	79	10	0	0.0897	1.0703	2.3936	2.2053	2.706	3.9146	8.3197		2.014	0.8753	1.735	3.6851	6.1877	13.5858	10.091	11.5929	0.3942	0	0
Nitrogen Oxide	R9	4	6	19	84	10	0	0.0897	1.0703	2.3936	2.2053	2.706	3.9146	8.3197		2.014	0.8753	1.735	3.6851	6.1877	13.5858	10.091	11.5929	0.3942	0	0
Nitrogen Oxide	R9	4	7	20	84	10	0	0.0871	1.0389	2.3614	2.1768	2.667	3.8507	8.2		1.9585	0.8605	1.7061	3.632	6.0986	13.3904	9.9459	11.4261	0.3807	0	0
Nitrogen Oxide	R9	4	8	21	79	10	0	0.0868	1.0356	2.3595	2.1751	2.6649	3.8439	8.1932		1.9457	0.8588	1.703	3.6291	6.0936	13.3794	9.9377	11.4167	0.3769	0	0
Nitrogen Oxide	R9	4	9	22	73	10	2	0.0873	1.0405	2.3667	2.1815	2.6738	3.8542	8.2207		1.9459	0.861	1.7077	3.6412	6.114	13.4242	9.9711	11.455	0.3761	8.2207	13.25919
Nitrogen Oxide	R9	4	10	23	69	10	2	0.087	1.038	2.363	2.1781	2.6692	3.8438	8.2065		1.9306	0.8586	1.7029	3.635	6.1035	13.4011	9.9538	11.4352	0.3718	8.2065	13.23629
Nitrogen Oxide	R9	4	11	23	68	10	2	0.0875	1.0438	2.3702	2.1847	2.6781	3.8575	8.2339		1.9406	0.8617	1.7091	3.6471	6.1238	13.4456	9.9869	11.4732	0.3741	8.2339	13.28048
Nitrogen Oxide	R9	4	12	24	66	10	2	0.0865	1.0324	2.3537	2.1695	2.6575	3.8228	8.1705		1.9085	0.8539	1.6934	3.619	6.0767	13.3422	9.9102	11.385	0.366	8.1705	13.17823
Nitrogen Oxide	R9	4	13	24	65	10	2	0.0871	1.0387	2.3614	2.1764	2.667	3.8373	8.1997		1.9192	0.8571	1.7	3.6319	6.0983	13.3898	9.9454	11.4255	0.3685	8.1997	13.22532
Nitrogen Oxide	R9	4	14	24	66	10	2	0.0865	1.0324	2.3537	2.1695	2.6575	3.8228	8.1705		1.9085	0.8539	1.6934	3.619	6.0767	13.3422	9.9102	11.385	0.366	8.1705	13.17823
Nitrogen Oxide	R9	4	15	24	66	10	2	0.0865	1.0324	2.3537	2.1695	2.6575	3.8228	8.1705		1.9085	0.8539	1.6934	3.619	6.0767	13.3422	9.9102	11.385	0.366	8.1705	13.17823
Nitrogen Oxide	R9	4	16	24	67	10	2	0.0873	1.0405	2.346	2.1625	2.6428	3.8082	8.1414		1.8978	0.8506	1.6869	3.6055	6.0555	13.2947	9.8747	11.3484	0.3637	8.1414	13.13129
Nitrogen Oxide	R9	4	17	23	69	10	2	0.087	1.038	2.363	2.1781	2.6692	3.8438	8.2065		1.9306	0.8586	1.7029	3.635	6.1035	13.4011	9.9538	11.4352	0.3718	8.2065	13.23629
Nitrogen Oxide	R9	4	18	22	74	10	2	0.0868	1.0351	2.3599	2.1754	2.6655	3.8415	8.1951		1.9363	0.858	1.7018	3.6299	6.095	13.3823	9.9399	11.4193	0.3739	8.1951	13.21779
Nitrogen Oxide	R9	4	19	22	76	10	2	0.0859	1.0244	2.3464	2.1632	2.6488	3.8157	8.1438		1.9173	0.8523	1.6902	3.6072	6.0569	13.2987	9.8778	11.3478	0.3695	8.1438	13.13516
Nitrogen Oxide	R9	4	20	21	79	10	0	0.0868	1.0356	2.3595	2.1751	2.6649	3.8439	8.1932		1.9457	0.8588	1.703	3.6291	6.0936	13.3794	9.9377	11.4167	0.3769	0	0
Nitrogen Oxide	R9	4	21	21	80	10	0	0.0864	1.0306	2.3532	2.1693	2.6571	3.8318	8.1693		1.9368	0.8561	1.6974	3.6184	6.0758	13.3401	9.9086	11.3833	0.3749	0	0
Nitrogen Oxide	R9	4	22	21	81	10	0	0.0861	1.0257	2.3469	2.1635	2.6492	3.8198	8.1452		1.9278	0.8534	1.6919	3.6078	6.0579	13.3009	9.8794	11.3497	0.3728	0	0
Nitrogen Oxide	R9	4	23	21	82	10	0	0.0856	1.0207	2.3405	2.1579	2.6415	3.8077	8.1212		1.9187	0.8507	1.6864	3.5972	6.0401	13.2617	9.8503	11.3163	0.3708	0	0
Nitrogen Oxide	R9	4	24	20	82	10	0	0.0879	1.0481	2.3732	2.1875	2.6817	3.8735	8.245		1.9754	0.8656	1.7163	3.652	6.1322	13.4639	10.0006	11.4889	0.3845	0	0
Nitrogen Oxide	R9	5	1	26	91	10	0	0.0676	0.8045	2.0695	1.9117	2.306	3.2816	7.0901		1.5122	0.7317	1.4478	3.1405	5.2732	11.578	8.5997	9.8795	0.2764	0	0
Nitrogen Oxide	R9	5	2	25	92	10	0	0.07	0.833	2.1084	1.9476	2.3549	3.3568	7.2401		1.5668	0.7488	1.4819	3.2069	5.3848	11.8229	8.7817	10.0885	0.2887	0	0
Nitrogen Oxide	R9	5	3	25	92	10	0	0.07	0.833	2.1084	1.9476	2.3549	3.3568	7.2401		1.5668	0.7488	1.4819	3.2069	5.3848	11.8229	8.7817	10.0885	0.2887	0	0
Nitrogen Oxide	R9	5	4	25	91	10	0	0.0707	0.84	2.1166	1.9549	2.3649	3.3723	7.2711		1.5783	0.7522	1.4889	3.2206	5.4078	11.8735	8.8192	10.1317	0.2913	0	0
Nitrogen Oxide	R9	5	5	25	92	10	0	0.07	0.833	2.1084	1.9476	2.3549	3.3568	7.2401		1.5668	0.7488	1.4819	3.2069	5.3848	11.8229	8.7817	10.0885	0.2887	0	0
Nitrogen Oxide	R9	5	6	25	93	10	0	0.0694	0.8262	2.1002	1.9401	2.3448	3.3412	7.2091		1.5554	0.7453	1.4748	3.1932	5.3616	11.7723	8.744	10.0454	0.2861	0	0
Nitrogen Oxide	R9	5	7	26	91	10	0	0.0676	0.8045	2.0695	1.9117	2.306	3.2816	7.0901		1.5122	0.7317	1.4478	3.1405	5.2732	11.578	8.5997	9.8795	0.2764	0	0
Nitrogen Oxide	R9	5	8	27	85	10	0	0.0686	0.8154	2.0756	1.9165	2.3125	3.2916	7.1101		1.5199	0.7338	1.4525	3.1492	5.2879	11.6104	8.6238	9.9073	0.2782	0	0
Nitrogen Oxide	R9	5	9	28	80	10	0	0.0693	0.8247	2.0966	1.9163	2.3122	3.2912	7.1092		1.5201	0.7336	1.4524	3.1489	5.2873	11.609	8.6228	9.9061	0.2782	7.1092	11.44645
Nitrogen Oxide	R9	5	10	28	78	10	2	0.0708	0.8418	2.0963	1.9341	2.3365	3.3286	7.1837		1.5476	0.742	1.4693	3.1819	5.3428	11.7308	8.7132	10.0099	0.2843	7.1837	11.58661
Nitrogen Oxide	R9	5	11	29	77	10	2	0.069	0.8203	2.0601	1.9004	2.2907	3.2578	7.0427		1.4961	0.7263	1.4372	3.1194	5.2378	11.5005	8.5422	9.8134	0.2727	7.0427	11.35919
Nitrogen Oxide	R9	5	12	29	75	10	2	0.0705	0.8384	2.0812	1.9193	2.3164	3.2975	7.1219		1.5253	0.7352	1.4553	3.1545	5.2968	11.6298	8.6382	9.9238	0.2793	7.1219	11.48694
Nitrogen Oxide	R9	5	13	29	74	10	2	0.0712	0.8475	2.0917	1.9288	2.3293	3.3174	7.1613		1.5399	0.7396	1.4643	3.172	5.3263	11.6945	8.6863	9.9789	0.2828	7.1613	11.55081
Nitrogen Oxide	R9	5	14	29	75	10	2	0.0705	0.8384	2.0812	1.9193	2.3164	3.2975	7.1219		1.5253	0.7352	1.4553	3.1545	5.2968	11.6298	8.6382	9.9238	0.2793	7.1219	11.48694
Nitrogen Oxide	R9	5	15	29	75	10	2	0.0705	0.8384	2.0812	1.9193	2.3164	3.2975	7.1219		1.5253	0.7352	1.4553	3.1545	5.2968	11.6298	8.6382	9.9238	0.2793	7.1219	11.48694
Nitrogen Oxide	R9	5	16	29	77	10	2	0.069	0.8203	2.0601	1.9004	2.2907	3.2578	7.0427		1.4961	0.7263	1.4372	3.1194	5.2378	11.5005	8.5422	9.8134	0.2727	7.0427	11.35919
Nitrogen Oxide	R9	5	17	28	78	10	2	0.0708	0.8418	2.0963	1.9341	2.3365	3.3286	7.1837		1.5476	0.742	1.4693	3.1819	5.3428	11.7308	8.7132	10.0099	0.2843	7.1837	11.58661
Nitrogen Oxide	R9	5	18	28	81	10	2	0.0687	0.8167	2.0667	1.9073	2.3002	3.2725	7.0718		1.5064	0.7294	1.4439	3.1324	5.2596	11.5481	8.5775	9.8541	0.275	7.0718	11.40613
Nitrogen Oxide	R9	5	19	27	84	10	2	0.0693	0.8231	2.0848	1.9248	2.3239	3.3092	7.1451		1.5329	0.7377	1.4604	3.1648	5.314	11.6678	8.6664	9.9561	0.281	7.1451	11.52435
Nitrogen Oxide	R9	5	20	27	87	10	0	0.0673	0.7999	2.057	1.8997	2.2898	3.2565	7.0398		1.4941	0.7259	1.4364	3.1182	5.2358	11.4959	8.5387	9.8095	0.2723	0	0
Nitrogen Oxide	R9	5	21	27	88	10	0	0.0667	0.7921	2.0477	1.8913	2.2783	3.2389	7.0047		1.4813	0.7218	1.4285	3.1026	5.2097	11.4386	8.4961	9.7607	0.2693	0	0
Nitrogen Oxide	R9	5	22	26	89	10	0	0.0689	0.8189	2.0869	1.9274	2.3276	3.3147	7.1561		1.5364	0.739	1.4628	3.1697	5.3223	11.6857	8.6797	9.9715	0.2819	0	0
Nitrogen Oxide	R9	5	23	26	89	10	0	0.0689	0.8189	2.0869	1.9274	2.3276	3.3147	7.1561		1.5364	0.739	1.4628	3.1697	5.3223	11.6857	8.6797	9.9715	0.2819	0	0
Nitrogen Oxide	R9	5	24	26	90	10	0	0.0683	0.8115	2.0781	1.9196	2.3168	3.2982	7.1232		1.5253	0.7352	1.4553	3.1545	5.2968	11.6298	8.6382	9.9238	0.2793	0	0
Nitrogen Oxide	R9	6	1	28	88	10	0	0.0639	0.7591	1.9976	1.8451	2.2153	3.1417	6.8109		1.4102	0.7001	1.3845	3.0168	5.0655	11.1219	8.261	9.4905	0.2533	0	0
Nitrogen Oxide	R9	6	2	27	89	10	0	0.066	0.7843	2.0384	1.883	2.2669	3.2214	6.9697		1.4683	0.7179	1.4205	3.0871	5.1836	11.3813	8.4536	9.7118	0.2664	0	0
Nitrogen Oxide	R9	6	3	27	89	10	0	0.066	0.7843	2.0384	1.883	2.2669	3.2214	6.9697		1.4683	0.7179	1.4205	3.0871	5.1836	11.3813	8.4536	9.7118	0.2664	0	0
Nitrogen Oxide	R9	6	4	27	88	10	0	0.0667	0.7921	2.0477	1.8913	2.2783	3.2389	7.0047		1.4813	0.7218	1.4285	3.1026	5.2097	11.4386	8.4961	9.7607	0.2693	0	0
Nitrogen Oxide	R9	6	5	27	89	10	0	0.066	0.7843	2.0384	1.883	2.2669	3.2214	6.9697		1.4683	0.7179	1.4205	3.0871	5.1836	11.3813	8.4536	9.7118	0.2664	0	0
Nitrogen Oxide	R9	6	6	27	90	10	0	0.0654	0.7764	2.0291	1.8746	2.2555	3.2037	6.9346		1.4553	0.714	1.4126	3.0716	5.1575	11.3241	8.4111	9.6629	0.2635	0	0
Nitrogen Oxide	R9	6	7	28	87	10	0	0.0646	0.7674	2.0075	1.854	2.2273	3.1605	6.8481		1.424	0.7043	1.393	3.0333	5.0933	11.1829	8.3062	9.5424	0.2564	0	0
Nitrogen Oxide	R9	6	8	29	82	10	0	0.0653	0.7753	2.0075	1.8532	2.2262	3.1587	6.8446		1.4232	0.704	1.3922	3.0317	5.0906	11.1771	8.302	9.5375	0.2562	0	0
Nitrogen Oxide	R9	6	9	29	79	10	2	0.0674	0.8019	2.039	1.8815	2.2648	3.2182	6.9635		1.4669	0.7174	1.4192	3.0844	5.179	11.3711	8.4461	9.703	0.2661	6.9635	11.23145
Nitrogen Oxide	R9	6	10	30	76	10	2	0.0673	0.7998	2.0229	1.8657	2.2434	3.1852	6.8975		1.4431	0.7103	1.4043	3.0551	5.1298	11.2633	8.366	9.6111	0.2607	6.8975	11.125
Nitrogen Oxide	R9	6	11	30	75	10	2	0.068	0.8095	2.0541	1.8758	2.2571	3.2062	6.9394		1.4586	0.7149	1.4138	3.0738	5.1612	11.332	8.417	9.6697	0.2642	6.9394	11.19258
Nitrogen Oxide	R9	6	12	30	74	10	2	0.0689	0.8192	2.0452	1.8859	2.2707	3.2273	6.9815		1.4741	0.7197	1.4235	3.0923	5.1924	11.4006	8.468	9.7282	0.2677	6.9815	11.26048
Nitrogen Oxide	R9	6	13	31	73	10	2	0.0672	0.7994	2.0082	1.8514	2.2239	3.1551	6.8371		1.4214	0.7059	1.3906	3.0284	5.0852	11.1652	8.2951	9.5273	0.2558	6.8371	11.0279
Nitrogen Oxide	R9	6	14	31	72	10	2	0.068	0.8097	2.0201	1.8621	2.2384	3.1774	6.8819		1.4378	0.7089	1.4008	3.0483	5.1183	11.2379	8.3471	9.5894	0.2595	6.8819	11.09984
Nitrogen Oxide	R9	6	15	30	74	10	2	0.0689	0.8192	2.0452	1.8859	2.2707	3.2273	6.9815		1.4741	0.7197	1.4235	3.0923	5.1924	11.4006	8.468	9.7282	0.2677	6.9815	11.26048
Nitrogen Oxide	R9	6	16	30	74	10	2	0.0689	0.8192	2.0452	1.8859	2.2707	3.2273	6.9815		1.4741	0.7197	1.4235	3.0923	5.1924	11.4006	8.468	9.7282	0.2677	6.9815	11.26048
Nitrogen Oxide	R9	6	17	30	75	10	2	0.068	0.8095	2.0341	1.8758	2.2571	3.2062	6.9394		1.4586	0.7149	1.4138	3.0738	5.1612	11.332	8.417	9.6697	0.2642	6.9394	11.19258
Nitrogen Oxide	R9	6	18	29	79	10	2	0.0674	0.8019	2.039	1.8815	2.2648	3.2182	6.9635		1.4669	0.7174	1.4192	3.0844	5.179	11.3711	8.4461	9.703	0.2661	6.9635	11.23145
Nitrogen Oxide	R9	6	19	29	81	10	2	0.0659	0.7841	2.018	1.8626	2.2391	3.1785	6.8843		1.4377	0.7084	1.4012	3.0493	5.1201	11.2418	8.35	9.5927	0.2595	6.8843	11.10371
Nitrogen Oxide	R9	6	20	28	83	10	0	0.0674	0.8004	2.047	1.8896	2.2759	3.2351	6.9973		1.4789	0.721	1.4269	3.0993	5.2041	11.4264	8.4871	9.7502	0.2689	0	0
Nitrogen Oxide	R9	6	21	28	85	10	0	0.0659	0.784	2.0272	1.8718	2.2516	3.1978	6.9227		1.4514	0.7127	1.4099	3.0663	5.1487	11.3046	8.3966	9.6463	0.2626	0	0
Nitrogen Oxide	R9	6	22	28	86	10	0	0.0653	0.7757	2.0173	1.8629	2.2395	3.1791	6.8854		1.4377	0.7085	1.4014	3.0498	5.1209	11.2437	8.3515	9.5943	0.2595	0	0
Nitrogen Oxide	R9	6	23	28	87	10	0	0.0646	0.7674	2.0075	1.854	2.2273	3.1605	6.8481		1.424	0.7043	1.393	3.0333	5.0933	11.1829	8.3062	9.5424	0.2564	0	0
Nitrogen Oxide	R9	6	24	28	87	10	0	0.0646	0.7674	2.0075	1.854	2.2273	3.1605	6.8481		1.424	0.7043	1.393	3.0333	5.0933	11.1829	8.3062	9.5424	0.2564	0	0
Nitrogen Oxide	R9	7	1	28	84	10	0	0.0667	0.7922	2.0371	1.8806	2.2638	3.2165	6.96		1.4652	0.7168	1.4184	3.0828	5.1764	11.3654	8.4419	9.6982	0.2657	0	0
Nitrogen Oxide	R9	7	2	28	84	10	0	0.0667	0.7922	2.0371	1.8806	2.2638	3.2165	6.96		1.4652	0.7168	1.4184	3.0828	5.1764	11.3654	8.4419	9.6982	0.2657	0	0
Nitrogen Oxide	R9	7	3	28	86	10	0	0.0653	0.7757	2.0173	1.8629	2.2395	3.1791	6.8854		1.4377	0.7085	1.4014	3.0498	5.1209	11.2437	8.3515	9.5943	0.2595	0	0
Nitrogen Oxide	R9	7	4	28	86	10	0	0.0653	0.7757	2.0173	1.8629	2.2395	3.1791	6.8854		1.4377	0.7085	1.4014	3.0498	5.1209	11.2437	8.3515	9.5943	0.2595	0	0
Nitrogen Oxide	R9	7	5	28	88	10	0	0.0639	0.7591	1.9976	1.8451	2.2153	3.1417	6.8109		1.4102	0.7001	1.3845	3.0168	5.0655	11.1219	8.261	9.4905	0.2533	0	0
Nitrogen Oxide	R9	7	6	27	89	10	0	0.0667	0.7921	2.0477	1.8913	2.2783	3.2389	7.0047		1.4813	0.7218	1.4285	3.1026	5.2097	11.4386	8.4961	9.7607	0.2693	0	0
Nitrogen Oxide	R9	7	7	28	86	10	0	0.0653	0.7757	2.0173	1.8629	2.2395	3.1791	6.8854		1.4377	0.7085	1.4014	3.0498	5.1209	11.2437	8.3515	9.5943	0.2595	0	0
Nitrogen Oxide	R9	7	8	29	81	10	0	0.0659	0.7841	2.018	1.8626	2.2391	3.1785	6.8843		1.4377	0.7084	1.4012	3.0493	5.1201	11.2418	8.35	9.5927	0.2595	0	0
Nitrogen Oxide	R9	7	9	30	76	10	2	0.0673	0.7998	2.0229	1.8657	2.2434	3.1852	6.8975		1.4431	0.7103	1.4043	3.0551	5.1298	11.2633	8.366	9.6111	0.2607	6.8975	11.125
Nitrogen Oxide	R9	7	10	31	70	10	2	0.0697	0.83	2.0438	1.8833	2.2673	3.222	6.9711		1.4708	0.719	1.4211	3.0877	5.1846	11.3835	8.4553	9.7137	0.2669	6.9711	11.24371
Nitrogen Oxide	R9	7	11	31	68	10	2	0.0714	0.851	2.0675	1.9047	2.2964	3.2666	7.0602		1.5036	0.729	1.4414	3.1273	5.2509	11.5291	8.5634	9.8379	0.2744	7.0602

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:

(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.

(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Oxide	R9	9	19	27	84	10	2	0.0693	0.8231	2.0848	1.9248	2.3239	3.3092	7.1451		1.5329	0.7377	1.4604	3.1648	5.314	11.6678	8.6664	9.9561	0.281	7.1451	11.52435
Nitrogen Oxide	R9	9	20	27	86	10	0	0.0679	0.8076	2.0663	1.9081	2.3011	3.2741	7.0749		1.5071	0.7298	1.4445	3.1338	5.2619	11.5532	8.5813	9.8584	0.2752	0	0
Nitrogen Oxide	R9	9	21	27	87	10	0	0.0673	0.7999	2.057	1.8997	2.2898	3.2565	7.0398		1.4941	0.7259	1.4364	3.1182	5.2358	11.4959	8.5387	9.8095	0.2723	0	0
Nitrogen Oxide	R9	9	22	27	89	10	0	0.066	0.7843	2.0384	1.883	2.2669	3.2214	6.9697		1.4683	0.7179	1.4205	3.0871	5.1836	11.3813	8.4536	9.7118	0.2664	0	0
Nitrogen Oxide	R9	9	23	27	89	10	0	0.066	0.7843	2.0384	1.883	2.2669	3.2214	6.9697		1.4683	0.7179	1.4205	3.0871	5.1836	11.3813	8.4536	9.7118	0.2664	0	0
Nitrogen Oxide	R9	9	24	26	89	10	0	0.0689	0.8189	2.0869	1.9274	2.3276	3.3147	7.1561		1.5364	0.739	1.4628	3.1697	5.3223	11.6857	8.6797	9.9715	0.2819	0	0
Nitrogen Oxide	R9	10	1	24	74	10	0	0.0824	0.9821	2.2922	2.1139	2.5817	3.7061	7.9376		1.8229	0.8277	1.6404	3.5158	5.9035	12.962	9.6276	11.0605	0.3467	0	0
Nitrogen Oxide	R9	10	2	23	74	10	0	0.0846	1.009	2.3269	2.1455	2.6247	3.7753	8.07		1.88	0.8432	1.6718	3.5745	6.0019	13.1779	9.7881	11.2448	0.3603	0	0
Nitrogen Oxide	R9	10	3	23	74	10	0	0.0846	1.009	2.3269	2.1455	2.6247	3.7753	8.07		1.88	0.8432	1.6718	3.5745	6.0019	13.1779	9.7881	11.2448	0.3603	0	0
Nitrogen Oxide	R9	10	4	23	75	10	0	0.0842	1.0031	2.3198	2.139	2.6159	3.7615	8.0426		1.8699	0.8401	1.6656	3.5623	5.9815	13.1333	9.7549	11.2067	0.3581	0	0
Nitrogen Oxide	R9	10	5	23	74	10	0	0.0846	1.009	2.3269	2.1455	2.6247	3.7753	8.07		1.88	0.8432	1.6718	3.5745	6.0019	13.1779	9.7881	11.2448	0.3603	0	0
Nitrogen Oxide	R9	10	6	23	75	10	0	0.0842	1.0031	2.3198	2.139	2.6159	3.7615	8.0426		1.8699	0.8401	1.6656	3.5623	5.9815	13.1333	9.7549	11.2067	0.3581	0	0
Nitrogen Oxide	R9	10	7	23	75	10	0	0.0842	1.0031	2.3198	2.139	2.6159	3.7615	8.0426		1.8699	0.8401	1.6656	3.5623	5.9815	13.1333	9.7549	11.2067	0.3581	0	0
Nitrogen Oxide	R9	10	8	23	72	10	0	0.0856	1.0206	2.3414	2.1585	2.6425	3.8027	8.1246		1.9003	0.8494	1.6842	3.5986	6.0426	13.2672	9.8543	11.3209	0.3649	0	0
Nitrogen Oxide	R9	10	9	24	69	10	2	0.085	1.0136	2.3306	2.1486	2.6291	3.779	8.0832		1.8764	0.844	1.6736	3.5803	6.0117	13.1996	9.8042	11.2633	0.3588	8.0832	13.03742
Nitrogen Oxide	R9	10	10	25	64	10	2	0.0859	1.0242	2.3381	2.1545	2.6372	3.7915	8.108		1.8862	0.8464	1.6793	3.5913	6.0302	13.2401	9.8344	11.298	0.361	8.108	13.07742
Nitrogen Oxide	R9	10	11	26	61	10	2	0.086	1.0248	2.3317	2.1478	2.628	3.7773	8.0797		1.8764	0.8428	1.673	3.5788	6.0092	13.1939	9.8	11.2585	0.3588	8.0797	13.03177
Nitrogen Oxide	R9	10	12	27	60	10	2	0.0849	1.0124	2.3083	2.1257	2.5978	3.7309	7.987		1.8429	0.8322	1.6519	3.5377	5.9402	13.0426	9.6876	11.1293	0.3512	7.987	12.88226
Nitrogen Oxide	R9	10	13	27	59	10	2	0.0855	1.0199	2.3176	2.134	2.6092	3.7484	8.0221		1.8559	0.8362	1.66	3.5533	5.9664	13.0998	9.7301	11.1782	0.3542	8.0221	12.93887
Nitrogen Oxide	R9	10	14	27	59	10	2	0.0855	1.0199	2.3176	2.134	2.6092	3.7484	8.0221		1.8559	0.8362	1.66	3.5533	5.9664	13.0998	9.7301	11.1782	0.3542	8.0221	12.93887
Nitrogen Oxide	R9	10	15	27	60	10	2	0.0849	1.0124	2.3083	2.1257	2.5978	3.7309	7.987		1.8429	0.8322	1.6519	3.5377	5.9402	13.0426	9.6876	11.1293	0.3512	7.987	12.88226
Nitrogen Oxide	R9	10	16	27	62	10	2	0.0836	0.9967	2.2897	2.1089	2.575	3.6957	7.9169		1.8171	0.8244	1.636	3.5066	5.888	12.928	9.6025	11.0315	0.3453	7.9169	12.76919
Nitrogen Oxide	R9	10	17	26	65	10	2	0.0835	0.9955	2.2967	2.1163	2.585	3.7112	7.9478		1.8279	0.828	1.6429	3.5203	5.9111	12.9785	9.6399	11.0746	0.3478	7.9478	12.81903
Nitrogen Oxide	R9	10	18	25	67	10	2	0.0843	1.0038	2.3136	2.1324	2.6069	3.7449	8.0151		1.852	0.8359	1.6582	3.5501	5.9611	13.0883	9.7216	11.1684	0.3533	8.0151	12.92758
Nitrogen Oxide	R9	10	19	25	69	10	2	0.0831	0.9903	2.2972	2.1176	2.5868	3.7139	7.9531		1.8291	0.8289	1.644	3.5226	5.915	12.9871	9.6464	11.082	0.3481	7.9531	12.82758
Nitrogen Oxide	R9	10	20	25	71	10	0	0.082	0.9766	2.2808	2.1028	2.5666	3.6828	7.891		1.8063	0.822	1.63	3.4952	5.8688	12.8858	9.5711	10.9956	0.343	0	0
Nitrogen Oxide	R9	10	21	24	73	10	0	0.084	1.0011	2.3152	2.1348	2.6102	3.7499	8.025		1.855	0.8375	1.6604	3.5545	5.9685	13.1045	9.7336	11.1822	0.354	0	0
Nitrogen Oxide	R9	10	22	24	71	10	0	0.084	1.0011	2.3152	2.1348	2.6102	3.7499	8.025		1.855	0.8375	1.6604	3.5545	5.9685	13.1045	9.7336	11.1822	0.354	0	0
Nitrogen Oxide	R9	10	23	24	72	10	0	0.0835	0.9948	2.3076	2.1278	2.6006	3.7353	7.9959		1.8443	0.8343	1.6537	3.5416	5.9468	13.057	9.6983	11.1416	0.3515	0	0
Nitrogen Oxide	R9	10	24	24	72	10	0	0.0835	0.9948	2.3076	2.1278	2.6006	3.7353	7.9959		1.8443	0.8343	1.6537	3.5416	5.9468	13.057	9.6983	11.1416	0.3515	0	0
Nitrogen Oxide	R9	11	1	21	75	10	0	0.0885	1.0554	2.3848	2.198	2.6962	3.8923	8.2894		1.9817	0.8696	1.7249	3.6716	6.1651	13.5364	10.0544	11.5507	0.3851	0	0
Nitrogen Oxide	R9	11	2	21	74	10	0	0.0889	1.0603	2.3911	2.2037	2.7039	3.9044	8.3134		1.9907	0.8723	1.7304	3.6823	6.183	13.5757	10.0835	11.5841	0.3871	0	0
Nitrogen Oxide	R9	11	3	21	74	10	0	0.0889	1.0603	2.3911	2.2037	2.7039	3.9044	8.3134		1.9907	0.8723	1.7304	3.6823	6.183	13.5757	10.0835	11.5841	0.3871	0	0
Nitrogen Oxide	R9	11	4	21	74	10	0	0.0889	1.0603	2.3911	2.2037	2.7039	3.9044	8.3134		1.9907	0.8723	1.7304	3.6823	6.183	13.5757	10.0835	11.5841	0.3871	0	0
Nitrogen Oxide	R9	11	5	21	74	10	0	0.0889	1.0603	2.3911	2.2037	2.7039	3.9044	8.3134		1.9907	0.8723	1.7304	3.6823	6.183	13.5757	10.0835	11.5841	0.3871	0	0
Nitrogen Oxide	R9	11	6	21	73	10	0	0.0893	1.0652	2.3975	2.2094	2.7118	3.9165	8.3375		1.9997	0.8751	1.7359	3.693	6.2008	13.6148	10.1127	11.6177	0.3892	0	0
Nitrogen Oxide	R9	11	7	21	73	10	0	0.0893	1.0652	2.3975	2.2094	2.7118	3.9165	8.3375		1.9997	0.8751	1.7359	3.693	6.2008	13.6148	10.1127	11.6177	0.3892	0	0
Nitrogen Oxide	R9	11	8	21	70	10	0	0.0905	1.0799	2.4164	2.2266	2.7353	3.9527	8.4096		2.0267	0.8832	1.7524	3.7249	6.2545	13.7326	10.2001	11.7181	0.3953	0	0
Nitrogen Oxide	R9	11	9	22	66	10	2	0.0903	1.0777	2.4139	2.2243	2.7322	3.9444	8.4001		2.0126	0.8813	1.7486	3.7207	6.2475	13.7172	10.1887	11.705	0.3913	8.4001	13.54855
Nitrogen Oxide	R9	11	10	23	61	10	2	0.0908	1.0839	2.4205	2.2303	2.7403	3.9534	8.4251		2.0113	0.8832	1.7527	3.7318	6.2661	13.758	10.2189	11.7398	0.3901	8.4251	13.58887
Nitrogen Oxide	R9	11	11	25	57	10	2	0.0898	1.0706	2.3954	2.2063	2.7077	3.9002	8.325		1.966	0.8708	1.7287	3.6874	6.1916	13.5945	10.0975	11.6003	0.379	8.325	13.42742
Nitrogen Oxide	R9	11	12	25	56	10	2	0.0903	1.0771	2.4036	2.2137	2.7178	3.9156	8.3556		1.9775	0.8742	1.7357	3.7012	6.2146	13.6451	10.135	11.6434	0.3816	8.3556	13.47742
Nitrogen Oxide	R9	11	13	25	56	10	2	0.0903	1.0771	2.4036	2.2137	2.7178	3.9156	8.3556		1.9775	0.8742	1.7357	3.7012	6.2146	13.6451	10.135	11.6434	0.3816	8.3556	13.47742
Nitrogen Oxide	R9	11	14	26	56	10	2	0.0888	1.0722	2.3752	2.1871	2.6816	3.8598	8.2447		1.9071	0.8614	1.7105	3.6478	6.1318	13.4833	10	11.4883	0.3725	8.2447	13.29579
Nitrogen Oxide	R9	11	15	26	57	10	2	0.0882	1.0528	2.3666	2.1793	2.6708	3.8434	8.2116		1.925	0.8576	1.703	3.6372	6.1072	13.4094	9.96	11.4423	0.3697	8.2116	13.24452
Nitrogen Oxide	R9	11	16	25	58	10	2	0.0892	1.0642	2.3873	2.1989	2.6976	3.8846	8.294		1.9546	0.8673	1.7216	3.6737	6.1685	13.5439	10.0599	11.5571	0.3765	8.294	13.37742
Nitrogen Oxide	R9	11	17	24	63	10	2	0.0881	1.0511	2.3768	2.1903	2.6859	3.8665	8.2578		1.9406	0.8638	1.7133	3.6577	6.1416	13.4848	10.016	11.5067	0.3734	8.2578	13.31903
Nitrogen Oxide	R9	11	18	23	66	10	2	0.0884	1.0552	2.3846	2.1977	2.6959	3.8849	8.2885		1.9608	0.8678	1.7216	3.6713	6.1645	13.5348	10.0532	11.5494	0.3787	8.2885	13.36855
Nitrogen Oxide	R9	11	19	23	70	10	2	0.0865	1.0322	2.3558	2.1715	2.6603	3.83	8.1792		1.9205	0.8555	1.6967	3.6228	6.0931	13.3564	9.9236	11.3972	0.3695	8.1792	13.19226
Nitrogen Oxide	R9	11	20	22	70	10	0	0.0886	1.0565	2.3869	2.1999	2.6988	3.8929	8.2976		1.9745	0.8697	1.7252	3.6753	6.1713	13.5498	10.0642	11.5621	0.3826	0	0
Nitrogen Oxide	R9	11	21	22	72	10	0	0.0877	1.0458	2.3734	2.1876	2.6821	3.8671	8.2464		1.9554	0.8639	1.7135	3.6525	6.1331	13.466	10.0021	11.4907	0.3783	0	0
Nitrogen Oxide	R9	11	22	22	74	10	0	0.0868	1.0351	2.3599	2.1754	2.6655	3.8415	8.1951		1.9363	0.858	1.7018	3.6299	6.095	13.3823	9.9399	11.4193	0.3739	0	0
Nitrogen Oxide	R9	11	23	22	74	10	0	0.0868	1.0351	2.3599	2.1754	2.6655	3.8415	8.1951		1.9363	0.858	1.7018	3.6299	6.095	13.3823	9.9399	11.4193	0.3739	0	0
Nitrogen Oxide	R9	11	24	21	74	10	0	0.0889	1.0603	2.3911	2.2037	2.7039	3.9044	8.3134		1.9907	0.8723	1.7304	3.6823	6.183	13.5757	10.0835	11.5841	0.3871	0	0
Nitrogen Oxide	R9	12	1	16	68	10	2	0.1059	1.2669	2.5584	2.3477	2.8997	4.2276	9.9153		2.2761	0.9473	1.8769	3.9489	6.6306	14.5584	10.8135	12.4228	0.4571	0	0
Nitrogen Oxide	R9	12	2	16	69	10	0	0.1055	1.2627	2.5537	2.3436	2.8941	4.2188	8.898		2.2694	0.9454	1.873	3.9412	6.6177	14.5301	10.7924	12.3987	0.4555	0	0
Nitrogen Oxide	R9	12	3	16	69	10	0	0.1055	1.2627	2.5537	2.3436	2.8941	4.2188	8.898		2.2694	0.9454	1.873	3.9412	6.6177	14.5301	10.7924	12.3987	0.4555	0	0
Nitrogen Oxide	R9	12	4	15	70	10	0	0.1085	1.2984	2.5722	2.3582	2.9139	4.254	8.9588		2.3052	0.954	1.8887	3.9682	6.6629	14.6295	10.8662	12.4834	0.4648	0	0
Nitrogen Oxide	R9	12	5	15	70	10	0	0.1085	1.2984	2.5722	2.3582	2.9139	4.254	8.9588		2.3052	0.954	1.8887	3.9682	6.6629	14.6295	10.8662	12.4834	0.4648	0	0
Nitrogen Oxide	R9	12	6	15	70	10	0	0.1085	1.2984	2.5722	2.3582	2.9139	4.254	8.9588		2.3052	0.954	1.8887	3.9682	6.6629	14.6295	10.8662	12.4834	0.4648	0	0
Nitrogen Oxide	R9	12	7	15	70	10	0	0.1085	1.2984	2.5722	2.3582	2.9139	4.254	8.9588		2.3052	0.954	1.8887	3.9682	6.6629	14.6295	10.8662	12.4834	0.4648	0	0
Nitrogen Oxide	R9	12	8	15	69	10	0	0.1087	1.3026	2.5765	2.362	2.9192	4.2622	8.975		2.3114	0.9559	1.8925	3.9753	6.675	14.6559	10.8859	12.506	0.4663	0	0
Nitrogen Oxide	R9	12	9	16	65	10	2	0.1069	1.2797	2.5722	2.3601	2.9166	4.2539	8.9672		2.296	0.9533	1.8889	3.9719	6.6692	14.6431	10.8764	12.4951	0.4617	8.9672	14.46323
Nitrogen Oxide	R9	12	10	17	62	10	2	0.1049	1.2544	2.5643	2.3548	2.9095	4.2387	8.9454		2.2754	0.9492	1.882	3.9622	6.653	14.6076	10.85	12.4648	0.456	8.9454	14.42806
Nitrogen Oxide	R9	12	11	18	58	10	2	0.1033	1.2355	2.5624	2.3549	2.9097	4.2348	8.9461		2.2635	0.9478	1.8803	3.9625	6.6535	14.6087	10.8508	12.4657	0.4522	8.9461	14.42919
Nitrogen Oxide	R9	12	12	18	58	10	2	0.1008	1.2043	2.5433	2.3413	2.8912	4.2021	8.8893		2.2299	0.94	1.8655	3.9374	6.6113	14.516	10.7853	12.3865	0.4436	8.8893	14.33758
Nitrogen Oxide	R9	12	13	19	57	10	2	0.1011	1.2093	2.551	2.3463	2.8981	4.2128	8.9104		2.2379	0.9424	1.8703	3.9468	6.627	14.5504	10.8075	12.416	0.4454	8.9104	14.37161
Nitrogen Oxide	R9	12	14	19	56	10	2	0.1011	1.2093	2.551	2.3463	2.8981	4.2128	8.9104		2.2379	0.9424	1.8703	3.9468	6.627	14.5504	10.8075	12.416	0.4454	8.9104	14.37161
Nitrogen Oxide	R9	12	15	19	56	10	2	0.1011	1.2093	2.551	2.3463	2.8981	4.2128	8.9104		2.2379	0.9424	1.8703	3.9468	6.627	14.5504	10.8075	12.416	0.4454	8.9104	14.37161
Nitrogen Oxide	R9	12	16	19	57	10	2	0.1008	1.2043	2.5453	2.3413	2.8912	4.2021	8.8893		2.2299	0.94	1.8655	3.9374	6.6113	14.516	10.7852	12.3865	0.4436	8.8893	14.33758
Nitrogen Oxide	R9	12	17	18	60	10	2	0.1026	1.2261	2.5519	2.3455	2.8969	4.2149	8.9065		2.2484	0.9434	1.8713	3.945	6.6241	14.5441	10.8029	12.4106	0.4488	8.9065	14.36532
Nitrogen Oxide	R9	12	18	18	64	10	2	0.1017	1.2073	2.5308	2.3266	2.8712	4.1751	8.8276		2.2183	0.9343	1.8532	3.91	6.5653	14.4151	10.707	12.3085	0.4418	8.8276	14.23806
Nitrogen Oxide	R9	12	19	17	65	10	2	0.1037	1.2409	2.5495	2.3416	2.8915	4.2107	8.89		2.2541	0.9429	1.8692	3.9377	6.6118	14.5171	10.7827	12.3873	0.4511	8.89	14.33871
Nitrogen Oxide	R9	12	20	17	66	10	0	0.1033	1.2365	2.5445	2.3372	2.8854	4.2012	8.8714		2.247	0.9408	1.865	3.9295	6.598	14.4868	10.7603	12.3617	0.4494	0	0
Nitrogen Oxide	R9	12	21	17	66	10	0	0.1033	1.2365	2.5445	2.3372	2.8854	4.2012	8.8714		2.247	0.9408	1.865	3.9295	6.598	14.4868	10.7603	12.3617	0.4494	0	0
Nitrogen Oxide	R9	12	22	16	66	10	0	0.1066	1.2755	2.5676	2.356	2.9109	4.2452	8.9499		2.2893	0.9513	1.8849	3.9642	6.6563	14.6149	10.8555	12.471	0.4602	0	0
Nitrogen Oxide	R9	12	23	16	66	10	0	0.1066	1.2755	2.5676	2.356	2.9109	4.2452	8.9499		2.2893	0.9513	1.8849	3.9642	6.6563	14.6149	10.8555	12.471	0.4602	0	0
Nitrogen Oxide	R9	12	24	16	67	10	0	0.1062	1.2713	2.5629	2.3518	2.9054	4.2364	8.9326		2.2827	0.9494	1.8809	3.9565	6.6435	14.5866	10.8358	12.4469	0.4587	0	0
Nitrogen Oxide	R10	1	1	17	76	10	0	0.0996	1.1917	2.4951	2.293	2.8253	4.1077	8.6866		2.1761	0.9197	1.8225	3.8476	6.4605	14.1849	10.536	12.104	0.4331	0	0
Nitrogen Oxide	R10	1	2	17	77	10	0	0.0992	1.1871	2.4901	2.2886	2.8193	4.0983	8.668		2.169	0.9175	1.8183	3.8394	6.4468	14.1547	10.5136	12.0783	0.4315	0	0
Nitrogen Oxide	R10	1	3	17	77	10	0	0.0992	1.1871	2.4901	2.2886	2.8193	4.0983	8.668		2.169	0.9175	1.8183	3.8394	6.4468	14.1547	10.5136	12.0783	0.4315	0	0
Nitrogen Oxide	R10	1	4	17	77	10	0	0.0992	1.1871	2.4901	2.2886	2.8193	4.0983	8.668		2.169	0.9175	1.8183	3.8394	6.4468	14.1547	10.5136	12.0783	0.4315	0	0
Nitrogen Oxide	R10	1	5	17	77	10	0	0.099	1.1826	2.4852	2.2842	2.8133	4.089	8.6496		2.1619	0.9155	1.814	3.8312	6.433	14.1245	10.4912	12.0525	0.4299	0	0
Nitrogen Oxide	R10	1	6	17	77	10	0	0.0992	1.1871	2.4901	2.2886	2.8193	4.0983	8.668		2.169	0.9175	1.8183	3.8394	6.4468	14.1547	10.5136	12.0783	0.4315	0	0
Nitrogen Oxide	R10	1	7	16	77	10	0	0.1027	1.2286	2.5166	2.3106	2.8491	4.1486	8.7595		2.2159	0.9295	1.841	3.8799	6.5148	14.3041	10.6246	12.2058	0.4433	0	0
Nitrogen Oxide	R10	1	8	17	77	10	0	0.0992	1.1871	2.4901	2.2886	2.8193	4.0983	8.668		2.169	0.9175	1.8183	3.8394	6.4468	14.1547	10.5136	12.0783	0.4315	0	0
Nitrogen Oxide	R10	1	9	17	73	10	122	0.1008	1.2051	2.51	2.3063	2.8434	4.1357	8.7421		2.1973	0.9261	1.8353	3.8721	6.5018	14.2755	10.6033	12.1814	0.438	8.06247	13.00398
Nitrogen Oxide	R10	1	10	17	69	10	258	0.0958	1.1447	2.4779	2.2808	2.8089	4.0744	8.6361		2.134	0.9112	1.8075	3.8252	6.423	14.1026	10.4749	12.0338	0.4216	7.94654	12.817
Nitrogen Oxide	R10	1	11	20	67	10	243	0.0949	1.1325	2.48	2.2841	2.8136	4.0777	8.6505		2.1281	0.9116	1.8091	3.8316	6.4337	14.126	10.4922	12.0537	0.4193	7.97305	12.85976
Nitrogen Oxide	R10	1	12	21	62	10	224	0.0937	1.1187	2.4668	2.2725	2.7977	4.0494	8.6018		2.0987	0.905	1.7962	3.81	6.3975	14.0465	10.4332	11.986	0.4117	7.91081	12.75937
Nitrogen Oxide	R10	1	13	21	61	10	217	0.0941	1.1235	2.4732	2.2783	2.8056	4.0615	8.6259		2.1077	0.9077	1.8017	3.8207	6.4154	14.0858	10.4624	12.0195	0.4138	7.95281	12.82711
Nitrogen Oxide	R10	1	14	21	62	10	193	0.0937	1.1187	2.4668	2.2725	2.7977	4.0494	8.6018		2.0987	0.905	1.7962	3.81	6.3975	14.0465	10.4332	11.986	0.4117	7.94135	12.80863
Nitrogen Oxide	R10	1	15	21	62	10	235	0.0937	1.1187	2.4668	2.2725	2.7977	4.0494	8.6018		2.0987	0.905	1.7962	3.81	6.3975	14.0465	10.4332	11.986	0.4117	7.90441	12.74905
Nitrogen Oxide	R10	1	16	21	63	10	230	0.0934	1.1139	2.4605	2.2647	2.787	4.0371	8.5778		2.0896	0.9023	1.7908	3.7992	6.3797	14.0073	10.4041	11.9525	0.4096	7.8726	12.7526
Nitrogen Oxide	R10	1	17

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:

(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.

(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Oxide	R10	3	24	21	86	10	0	0.084	1.0007	2.3152	2.1349	2.6101	3.7593	8.025		1.8828	0.8398	1.6645	3.5546	5.9685	13.1047	9.7337	11.1823	0.3625	0	0
Nitrogen Oxide	R10	4	1	20	83	10	0	0.0875	1.0436	2.3674	2.1821	2.6744	3.8621	8.2226		1.9669	0.8631	1.7112	3.642	6.1154	13.4271	9.9732	11.4575	0.3826	0	0
Nitrogen Oxide	R10	4	2	20	85	10	0	0.0867	1.0343	2.3555	2.1714	2.6597	3.8394	8.1775		1.9499	0.858	1.7009	3.6221	6.0818	13.3536	9.9186	11.3947	0.3787	0	0
Nitrogen Oxide	R10	4	3	20	84	10	0	0.0871	1.0389	2.3614	2.1768	2.6627	3.8507	8.2		1.9585	0.8605	1.7061	3.6322	6.0986	13.3904	9.9459	11.4261	0.3807	0	0
Nitrogen Oxide	R10	4	4	20	85	10	0	0.0867	1.0343	2.3555	2.1714	2.6597	3.8394	8.1775		1.9499	0.858	1.7009	3.6221	6.0818	13.3536	9.9186	11.3947	0.3787	0	0
Nitrogen Oxide	R10	4	5	19	84	10	0	0.0897	1.0703	2.3936	2.2053	2.706	3.9146	8.3197		2.014	0.8753	1.735	3.6851	6.1877	13.5858	10.091	11.5929	0.3942	0	0
Nitrogen Oxide	R10	4	6	19	84	10	0	0.0897	1.0703	2.3936	2.2053	2.706	3.9146	8.3197		2.014	0.8753	1.735	3.6851	6.1877	13.5858	10.091	11.5929	0.3942	0	0
Nitrogen Oxide	R10	4	7	20	84	10	0	0.0871	1.0389	2.3614	2.1768	2.667	3.8507	8.2		1.9585	0.8605	1.7061	3.6322	6.0986	13.3904	9.9459	11.4261	0.3807	0	0
Nitrogen Oxide	R10	4	8	21	79	10	0	0.0868	1.0356	2.3595	2.1751	2.6649	3.8439	8.1932		1.9457	0.8588	1.703	3.6291	6.0936	13.3794	9.9377	11.4167	0.3769	0	0
Nitrogen Oxide	R10	4	9	22	73	10	122	0.0873	1.0405	2.3667	2.1815	2.6738	3.8542	8.2207		1.9459	0.861	1.7072	3.6412	6.114	13.4242	9.9711	11.4553	0.3761	7.57646	12.2201
Nitrogen Oxide	R10	4	10	23	69	10	258	0.087	1.038	2.363	2.1781	2.6692	3.8438	8.2065		1.9306	0.8586	1.7029	3.635	6.1035	13.4011	9.9538	11.4352	0.3718	7.54702	12.17262
Nitrogen Oxide	R10	4	11	23	68	10	243	0.0875	1.0438	2.3702	2.1847	2.6781	3.8575	8.2339		1.9406	0.8617	1.7091	3.6471	6.1238	13.4456	9.9869	11.4732	0.3741	7.58554	12.23475
Nitrogen Oxide	R10	4	12	24	66	10	224	0.0865	1.0324	2.3537	2.1695	2.6575	3.8228	8.1705		1.9085	0.8539	1.6934	3.619	6.0767	13.3422	9.9102	11.385	0.366	7.51058	12.11384
Nitrogen Oxide	R10	4	13	24	65	10	217	0.0871	1.0387	2.3614	2.1764	2.667	3.8373	8.1997		1.9192	0.8571	1.7	3.6319	6.0983	13.3898	9.9454	11.4255	0.3685	7.5564	12.18774
Nitrogen Oxide	R10	4	14	24	66	10	193	0.0865	1.0324	2.3537	2.1695	2.6575	3.8228	8.1705		1.9085	0.8539	1.6934	3.619	6.0767	13.3422	9.9102	11.385	0.366	7.53975	12.16088
Nitrogen Oxide	R10	4	15	24	66	10	235	0.0865	1.0324	2.3537	2.1695	2.6575	3.8228	8.1705		1.9085	0.8539	1.6934	3.619	6.0767	13.3422	9.9102	11.385	0.366	7.50447	12.10398
Nitrogen Oxide	R10	4	16	24	67	10	230	0.0861	1.0261	2.346	2.1625	2.648	3.8082	8.1414		1.8978	0.8506	1.6869	3.6061	6.055	13.2947	9.8748	11.3444	0.3637	7.50084	12.09813
Nitrogen Oxide	R10	4	17	23	69	10	251	0.087	1.038	2.363	2.1781	2.6692	3.8438	8.2065		1.9306	0.8586	1.7029	3.635	6.1035	13.4011	9.9538	11.4352	0.3718	7.56339	12.19902
Nitrogen Oxide	R10	4	18	22	74	10	221	0.0868	1.0351	2.3599	2.1754	2.6655	3.8415	8.1951		1.9363	0.858	1.7018	3.6299	6.095	13.3823	9.9399	11.4193	0.3739	7.52532	12.13761
Nitrogen Oxide	R10	4	19	22	76	10	77	0.0859	1.0244	2.3464	2.1632	2.6488	3.8157	8.1438		1.9173	0.8523	1.6902	3.6072	6.0569	13.2987	9.8778	11.3478	0.3695	7.5255	12.1379
Nitrogen Oxide	R10	4	20	21	80	10	0	0.0868	1.0356	2.3595	2.1751	2.6649	3.8439	8.1932		1.9457	0.8588	1.703	3.6291	6.0936	13.3794	9.9377	11.4167	0.3769	0	0
Nitrogen Oxide	R10	4	21	21	80	10	0	0.0864	1.0306	2.3532	2.1693	2.6571	3.8318	8.1693		1.9368	0.8561	1.6974	3.6184	6.0758	13.3401	9.9086	11.3833	0.3749	0	0
Nitrogen Oxide	R10	4	22	21	81	10	0	0.0861	1.0257	2.3469	2.1635	2.6492	3.8198	8.1452		1.9278	0.8534	1.6919	3.6078	6.0579	13.3009	9.8794	11.3497	0.3728	0	0
Nitrogen Oxide	R10	4	23	21	82	10	0	0.0856	1.0207	2.3405	2.1579	2.6415	3.8077	8.1212		1.9187	0.8507	1.6864	3.5972	6.0401	13.2617	9.8503	11.3163	0.3708	0	0
Nitrogen Oxide	R10	4	24	20	82	10	0	0.0879	1.0481	2.3732	2.1875	2.6817	3.8735	8.245		1.9754	0.8656	1.7163	3.652	6.1322	13.4639	10.0006	11.4889	0.3845	0	0
Nitrogen Oxide	R10	5	1	26	91	10	0	0.0676	0.8045	2.0695	1.9117	2.306	3.2816	7.0901		1.5122	0.7317	1.4478	3.1405	5.2732	11.578	8.5997	9.8795	0.2764	0	0
Nitrogen Oxide	R10	5	2	25	92	10	0	0.07	0.833	2.1084	1.9476	2.3549	3.3568	7.2401		1.5668	0.7488	1.4819	3.2069	5.3848	11.8229	8.7817	10.0885	0.2887	0	0
Nitrogen Oxide	R10	5	3	25	92	10	0	0.07	0.833	2.1084	1.9476	2.3549	3.3568	7.2401		1.5668	0.7488	1.4819	3.2069	5.3848	11.8229	8.7817	10.0885	0.2887	0	0
Nitrogen Oxide	R10	5	4	25	91	10	0	0.0707	0.84	2.1166	1.9549	2.3649	3.3723	7.2711		1.5783	0.7522	1.4889	3.2206	5.4078	11.8735	8.8192	10.1317	0.2913	0	0
Nitrogen Oxide	R10	5	5	25	92	10	0	0.07	0.833	2.1084	1.9476	2.3549	3.3568	7.2401		1.5668	0.7488	1.4819	3.2069	5.3848	11.8229	8.7817	10.0885	0.2887	0	0
Nitrogen Oxide	R10	5	6	25	93	10	0	0.0694	0.8262	2.1002	1.9401	2.3448	3.3412	7.2091		1.5554	0.7453	1.4748	3.1932	5.3616	11.7723	8.744	10.0454	0.2861	0	0
Nitrogen Oxide	R10	5	7	26	91	10	0	0.0676	0.8045	2.0695	1.9117	2.306	3.2816	7.0901		1.5122	0.7317	1.4478	3.1405	5.2732	11.578	8.5997	9.8795	0.2764	0	0
Nitrogen Oxide	R10	5	8	27	85	10	0	0.0686	0.8154	2.0756	1.9165	2.3125	3.2916	7.1101		1.5199	0.7338	1.4525	3.1492	5.2879	11.6104	8.6238	9.9073	0.2782	0	0
Nitrogen Oxide	R10	5	9	28	80	10	122	0.0693	0.8247	2.0766	1.9163	2.3122	3.2912	7.1092		1.5201	0.7336	1.4524	3.1489	5.2873	11.609	8.6228	9.9061	0.2782	6.54589	10.55788
Nitrogen Oxide	R10	5	10	28	78	10	258	0.0708	0.8418	2.0963	1.9341	2.3365	3.3286	7.1837		1.5476	0.742	1.4693	3.1819	5.3428	11.7308	8.7132	10.0099	0.2843	6.60095	10.6467
Nitrogen Oxide	R10	5	11	29	77	10	243	0.069	0.8203	2.0601	1.9004	2.2907	3.2578	7.0427		1.4961	0.7263	1.4372	3.1194	5.2378	11.5005	8.5422	9.8134	0.2727	6.48197	10.4548
Nitrogen Oxide	R10	5	12	29	75	10	224	0.0705	0.8384	2.0812	1.9193	2.3164	3.2975	7.1219		1.5253	0.7352	1.4553	3.1545	5.2968	11.6298	8.6382	9.9238	0.2793	6.54141	10.55066
Nitrogen Oxide	R10	5	13	29	75	10	217	0.0712	0.8475	2.0917	1.9288	2.3293	3.3174	7.1615		1.5399	0.7396	1.4643	3.172	5.3263	11.6945	8.6863	9.9789	0.2826	6.59463	10.6365
Nitrogen Oxide	R10	5	14	29	75	10	193	0.0705	0.8384	2.0812	1.9193	2.3164	3.2975	7.1219		1.5253	0.7352	1.4553	3.1545	5.2968	11.6298	8.6382	9.9238	0.2793	6.56706	10.59204
Nitrogen Oxide	R10	5	15	29	75	10	235	0.0705	0.8384	2.0812	1.9193	2.3164	3.2975	7.1219		1.5253	0.7352	1.4553	3.1545	5.2968	11.6298	8.6382	9.9238	0.2793	6.53603	10.54199
Nitrogen Oxide	R10	5	16	29	77	10	230	0.069	0.8203	2.0601	1.9004	2.2907	3.2578	7.0427		1.4961	0.7263	1.4372	3.1194	5.2378	11.5005	8.5422	9.8134	0.2727	6.48319	10.45676
Nitrogen Oxide	R10	5	17	28	78	10	251	0.0708	0.8418	2.0963	1.9341	2.3365	3.3286	7.1837		1.5476	0.742	1.4693	3.1819	5.3428	11.7308	8.7132	10.0099	0.2843	6.61542	10.67003
Nitrogen Oxide	R10	5	18	28	81	10	221	0.0687	0.8167	2.0667	1.9073	2.3002	3.2725	7.0718		1.5064	0.7294	1.4439	3.1324	5.2596	11.5481	8.5775	9.8541	0.275	6.48729	10.46337
Nitrogen Oxide	R10	5	19	27	84	10	77	0.0693	0.8234	2.0748	1.9248	2.3229	3.3092	7.1451		1.5329	0.7377	1.4604	3.1648	5.314	11.6678	8.6664	9.9561	0.281	6.59711	10.64051
Nitrogen Oxide	R10	5	20	27	87	10	0	0.0673	0.7999	2.057	1.8997	2.2898	3.2565	7.0398		1.4941	0.7259	1.4364	3.1182	5.2358	11.4959	8.5387	9.8095	0.2723	0	0
Nitrogen Oxide	R10	5	21	27	88	10	0	0.0667	0.7921	2.0477	1.8913	2.2783	3.2389	7.0047		1.4813	0.7218	1.4285	3.1026	5.2097	11.4386	8.4961	9.7607	0.2693	0	0
Nitrogen Oxide	R10	5	22	26	89	10	0	0.0689	0.8189	2.0869	1.9274	2.3276	3.3147	7.1561		1.5364	0.739	1.4628	3.1697	5.3223	11.6857	8.6797	9.9715	0.2819	0	0
Nitrogen Oxide	R10	5	23	26	89	10	0	0.0689	0.8189	2.0869	1.9274	2.3276	3.3147	7.1561		1.5364	0.739	1.4628	3.1697	5.3223	11.6857	8.6797	9.9715	0.2819	0	0
Nitrogen Oxide	R10	5	24	26	90	10	0	0.0683	0.8115	2.0781	1.9196	2.3168	3.2982	7.1232		1.5243	0.7353	1.4554	3.1551	5.2977	11.6319	8.6398	9.9256	0.2791	0	0
Nitrogen Oxide	R10	6	1	28	74	10	0	0.0639	0.7591	1.9976	1.8451	2.2153	3.1417	6.8109		1.4102	0.7001	1.3845	3.0168	5.0655	11.1219	8.261	9.4905	0.2533	0	0
Nitrogen Oxide	R10	6	2	27	89	10	0	0.066	0.7843	2.0384	1.883	2.2669	3.2214	6.9697		1.4683	0.7179	1.4205	3.0871	5.1836	11.3813	8.4536	9.7118	0.2664	0	0
Nitrogen Oxide	R10	6	3	27	89	10	0	0.066	0.7843	2.0384	1.883	2.2669	3.2214	6.9697		1.4683	0.7179	1.4205	3.0871	5.1836	11.3813	8.4536	9.7118	0.2664	0	0
Nitrogen Oxide	R10	6	4	27	88	10	0	0.0667	0.7921	2.0477	1.8913	2.2783	3.2389	7.0047		1.4813	0.7218	1.4285	3.1026	5.2097	11.4386	8.4961	9.7607	0.2693	0	0
Nitrogen Oxide	R10	6	5	27	89	10	0	0.066	0.7843	2.0384	1.883	2.2669	3.2214	6.9697		1.4683	0.7179	1.4205	3.0871	5.1836	11.3813	8.4536	9.7118	0.2664	0	0
Nitrogen Oxide	R10	6	6	27	89	10	0	0.0654	0.7764	2.0291	1.8746	2.2555	3.2037	6.9346		1.4553	0.7141	1.4126	3.0716	5.1575	11.3241	8.4111	9.6629	0.2638	0	0
Nitrogen Oxide	R10	6	7	28	87	10	0	0.0646	0.7674	2.0075	1.854	2.2273	3.1605	6.8481		1.424	0.7043	1.393	3.0333	5.0933	11.1829	8.3062	9.5424	0.2564	0	0
Nitrogen Oxide	R10	6	8	29	82	10	0	0.0653	0.7753	2.0075	1.8532	2.2262	3.1587	6.8446		1.4232	0.704	1.3922	3.0317	5.0906	11.1771	8.302	9.5375	0.2562	0	0
Nitrogen Oxide	R10	6	9	29	79	10	122	0.0674	0.8019	2.039	1.8815	2.2648	3.2182	6.9635		1.4669	0.7174	1.4192	3.0844	5.179	11.3711	8.4461	9.703	0.2661	6.41091	10.34019
Nitrogen Oxide	R10	6	10	30	76	10	258	0.0673	0.7998	2.0229	1.8657	2.2434	3.1852	6.8975		1.4431	0.7105	1.4043	3.0551	5.1298	11.2633	8.366	9.6111	0.2607	6.33634	10.2199
Nitrogen Oxide	R10	6	11	30	75	10	243	0.068	0.8095	2.0341	1.8758	2.2571	3.2062	6.9394		1.4586	0.7149	1.4138	3.0738	5.1612	11.332	8.417	9.6697	0.2642	6.33633	10.30054
Nitrogen Oxide	R10	6	12	30	74	10	224	0.0689	0.8192	2.0452	1.8859	2.2707	3.2273	6.9815		1.4741	0.7197	1.4235	3.0923	5.1924	11.4006	8.468	9.7262	0.2677	6.41367	10.3414
Nitrogen Oxide	R10	6	13	31	73	10	217	0.0672	0.7994	2.0082	1.8514	2.2239	3.155	6.8373		1.4214	0.7039	1.3906	3.0284	5.0852	11.1652	8.2931	9.5273	0.2558	6.29429	10.15208
Nitrogen Oxide	R10	6	14	31	72	10	193	0.068	0.8097	2.0201	1.8621	2.2384	3.1774	6.8819		1.4378	0.7089	1.4008	3.0483	5.1183	11.2379	8.3471	9.5894	0.2595	6.34446	10.233
Nitrogen Oxide	R10	6	15	30	74	10	235	0.0689	0.8192	2.0452	1.8859	2.2707	3.2273	6.9815		1.4741	0.7197	1.4235	3.0923	5.1924	11.4006	8.468	9.7262	0.2677	6.40639	10.33288
Nitrogen Oxide	R10	6	16	30	74	10	230	0.0689	0.8192	2.0452	1.8859	2.2707	3.2273	6.9815		1.4741	0.7197	1.4235	3.0923	5.1924	11.4006	8.468	9.7262	0.2677	6.42633	10.36537
Nitrogen Oxide	R10	6	17	30	75	10	251	0.0688	0.8095	2.0341	1.8758	2.2571	3.2062	6.9394		1.4586	0.7149	1.4138	3.0738	5.1612	11.332	8.417	9.6697	0.2642	6.38909	10.30498
Nitrogen Oxide	R10	6	18	29	81	10	221	0.0674	0.8019	2.039	1.8815	2.2648	3.2182	6.9635		1.4669	0.7174	1.4192	3.0844	5.179	11.3711	8.4461	9.703	0.2661	6.3873	10.3021
Nitrogen Oxide	R10	6	19	29	81	10	77	0.0659	0.7841	2.018	1.8626	2.2391	3.1785	6.8843		1.4377	0.7084	1.4012	3.0493	5.1201	11.2418	8.35	9.5927	0.2595	6.3549	10.24984
Nitrogen Oxide	R10	6	20	28	83	10	0	0.0674	0.8004	2.047	1.8896	2.2759	3.2351	6.9973		1.4789	0.721	1.4269	3.0993	5.2041	11.4264	8.4871	9.7502	0.2689	0	0
Nitrogen Oxide	R10	6	21	28	85	10	0	0.0659	0.784	2.0272	1.8718	2.2516	3.1978	6.9227		1.4514	0.7127	1.4099	3.0663	5.1487	11.3046	8.3966	9.6463	0.2626	0	0
Nitrogen Oxide	R10	6	22	28	86	10	0	0.0653	0.7757	2.0173	1.8629	2.2395	3.1791	6.8854		1.4377	0.7085	1.4014	3.0498	5.1209	11.2437	8.3515	9.5943	0.2595	0	0
Nitrogen Oxide	R10	6	23	28	87	10	0	0.0646	0.7674	2.0075	1.854	2.2273	3.1605	6.8481		1.424	0.7043	1.393	3.0333	5.0933	11.1829	8.3062	9.5424	0.2564	0	0
Nitrogen Oxide	R10	6	24	28	87	10	0	0.0646	0.7674	2.0075	1.854	2.2273	3.1605	6.8481		1.424	0.7043	1.393	3.0333	5.0933	11.1829	8.3062	9.5424	0.2564	0	0
Nitrogen Oxide	R10	7	1	28	84	10	0	0.0667	0.7922	2.0371	1.8806	2.2638	3.2165	6.96		1.4652	0.7168	1.4184	3.0828	5.1764	11.3654	8.4419	9.6982	0.2657	0	0
Nitrogen Oxide	R10	7	2	28	84	10	0	0.0667	0.7922	2.0371	1.8806	2.2638	3.2165	6.96		1.4652	0.7168	1.4184	3.0828	5.1764	11.3654	8.4419	9.6982	0.2657	0	0
Nitrogen Oxide	R10	7	3	28	86	10	0	0.0653	0.7757	2.0173	1.8629	2.2395	3.1791	6.8854		1.4377	0.7085	1.4014	3.0498	5.1209	11.2437	8.3515	9.5943	0.2595	0	0
Nitrogen Oxide	R10	7	4	28	86	10	0	0.0653	0.7757	2.0173	1.8629	2.2395	3.1791	6.8854		1.4377	0.7085	1.4014	3.0498	5.1209	11.2437	8.3515	9.5943	0.2595	0	0
Nitrogen Oxide	R10	7	5	28	88	10	0	0.0639	0.7591	1.9976	1.8451	2.2153	3.1417	6.8109		1.4102	0.7001	1.3845	3.0168	5.0655	11.1219	8.261	9.4905	0.2533	0	0
Nitrogen Oxide	R10	7	6	27	88	10	0	0.0667	0.7921	2.0477	1.8913	2.2783	3.2389	7.0047		1.4813	0.7218	1.4285	3.1026	5.2097	11.4386	8.4961	9.7607	0.2693	0	0
Nitrogen Oxide	R10	7	7	28	86	10	0	0.0653	0.7757	2.0173	1.8629	2.2395	3.1791	6.8854		1.4377	0.7085	1.4014	3.0498	5.1209	11.2437	8.3515	9.5943	0.2595	0	0
Nitrogen Oxide	R10	7	8	29	81	10	0	0.0659	0.7841	2.018	1.8626	2.2391	3.1785	6.8843		1.4377	0.7084	1.4012	3.0493	5.1201	11.2418	8.35	9.5927	0.2595	0	0
Nitrogen Oxide	R10	7	9	30	76	10	122	0.0673	0.7998	2.0229	1.8657	2.2434	3.1852	6.8975		1.4431	0.7105	1.4043	3.0551	5.1298	11.2633	8.366	9.6111	0.2607	6.34978	10.24159
Nitrogen Oxide	R10	7	10	31	73	10	258	0.0697	0.8283	2.0438	1.8833	2.2673	3.2223	6.9711		1.4708	0.719	1.4211	3.0877	5.1846	11.3835	8.4553	9.7137	0.2669	6.40438	10.32964
Nitrogen Oxide	R10	7	11	31	68	10	243	0.0714	0.851	2.0675	1.9047	2.2964	3.2666	7.0602		1.5036	0.729	1.4414	3.1273	5.2509	11.5291	8.5634	9.8379	0.2744	6.49819	10.48094
Nitrogen Oxide	R10	7	12	32	67	10	224	0.07	0.8337	2.033	1.8725	2.2526	3.1992	6.9257		1.4544	0.7144	1.4109	3.0676	5.1509	11.3095	8.4003	9.6505	0.2632	6.36007	10.25818
Nitrogen Oxide	R10	7	13	32	66	10	217	0.071	0.8451	2.0457	1.8838	2.2679	3.2229	6.9729		1.4719	0.7197	1.4217	3.0885	5.1861	11.3866	8.4573	9.7163	0.2672	6.4199	10.35468
Nitrogen Oxide	R10	7	14	32	66	10	193	0.071	0.8451	2.0457	1.8838	2.2679	3.2229	6.9729		1.4719	0.7197	1.4217	3.0885	5.1861	11.3866	8.4573	9.7163	0.2672	6.42886	10.36913
Nitrogen Oxide	R10	7	15	31	68	10	235	0.0714	0.851	2.0675	1.9047	2.2964	3.2666	7.0602		1.5036	0.729	1.4414	3.1273	5.2509	11.5291	8.5634	9.8379	0.2744	6.47905	10.45009
Nitrogen Oxide	R10	7	16	31	68	10	230	0.0706	0.8405	2.0557	1.894	2.2818	3.2448	7.0156		1.4872	0.7241	1.4313	3.1074	5.2178	11.4564	8.5094	9.7758	0.2707	0	0.4163
Nitrogen Oxide	R10	7	17	31	70	10	251	0.0697	0.83	2.0438	1.8833	2.2673	3.222	6.9711		1.4708	0.719	1.4211	3.0877	5.1846	11.3835	8.4553	9.7137	0.2669	6.41844	10.35233
Nitrogen Oxide	R10	7	18	30	73	10	221	0.0696	0.8288	2.0564	1.8958	2.2844	3.2483	7.0235		1.4896	0.7245	1.433	3.111	5.2237	11.4692	8.5189	9.7868	0.2712	6.4427	10.39145
Nitrogen Oxide	R10	7	19	29	76	10	77	0.0697	0.8293	2.0706	1.9099	2.3035	3.2777	7.0823		1.5108	0.7307	1.4463	3.137	5.2673	11.5651	8.5902	9.8686	0.2761	6.53879	10.54643
Nitrogen Oxide	R10	7	20	29	79	10	0	0.0674	0.8019	2.039	1.8815	2.2648	3.2182	6.9635		1.4669	0.7174	1.4192	3.0844	5.179	11.3711	8.4461	9.703	0.2661	0	0
Nitrogen Oxide	R10	7	21	29	81	10	0	0.0659	0.7841	2.018	1.8626	2.2391	3.1785	6.8843		1.4377	0.7084	1.4012	3.0493	5.1201	11.2418

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:

(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.

(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Oxide	R10	10	5	23	74	10	0	0.0846	1.009	2.3269	2.1455	2.6247	3.7753	8.07		1.88	0.8432	1.6718	3.5745	6.0019	13.1779	9.7881	11.2448	0.3603	0	0
Nitrogen Oxide	R10	10	6	23	75	10	0	0.0842	1.0031	2.3198	2.139	2.6159	3.7615	8.0426		1.8699	0.8401	1.6656	3.5623	5.9815	13.1333	9.7549	11.2067	0.3581	0	0
Nitrogen Oxide	R10	10	7	23	75	10	0	0.0842	1.0031	2.3198	2.139	2.6159	3.7615	8.0426		1.8699	0.8401	1.6656	3.5623	5.9815	13.1333	9.7549	11.2067	0.3581	0	0
Nitrogen Oxide	R10	10	8	23	72	10	0	0.0856	1.0206	2.3414	2.1585	2.6425	3.8027	8.1246		1.9003	0.8494	1.6842	3.5986	6.0426	13.2672	9.8543	11.3209	0.3649	0	0
Nitrogen Oxide	R10	10	9	24	69	10	122	0.085	1.0136	2.3306	2.1486	2.6291	3.779	8.0832		1.8764	0.844	1.6736	3.5803	6.0117	13.1996	9.8042	11.2633	0.3588	7.44815	12.01315
Nitrogen Oxide	R10	10	10	25	64	10	258	0.0859	1.0242	2.3381	2.1545	2.6372	3.7915	8.108		1.8862	0.8464	1.6793	3.5913	6.0302	13.2401	9.8344	11.298	0.361	7.45551	12.02501
Nitrogen Oxide	R10	10	11	26	61	10	243	0.086	1.0248	2.3317	2.1478	2.628	3.7773	8.0797		1.8764	0.8428	1.673	3.5788	6.0092	13.1959	9.8	11.2585	0.3588	7.44231	12.00372
Nitrogen Oxide	R10	10	12	27	60	10	224	0.0849	1.0124	2.3083	2.1257	2.5978	3.7309	7.987		1.8429	0.8322	1.6519	3.5377	5.9402	13.0426	9.6876	11.1293	0.3512	7.34098	11.8403
Nitrogen Oxide	R10	10	13	27	59	10	217	0.0855	1.0199	2.3176	2.134	2.6092	3.7484	8.0221		1.8559	0.8362	1.66	3.5533	5.9664	13.0998	9.7301	11.1782	0.3542	7.39188	11.92238
Nitrogen Oxide	R10	10	14	27	59	10	193	0.0855	1.0199	2.3176	2.134	2.6092	3.7484	8.0221		1.8559	0.8362	1.66	3.5533	5.9664	13.0998	9.7301	11.1782	0.3542	7.40288	11.93884
Nitrogen Oxide	R10	10	15	27	60	10	235	0.0849	1.0124	2.3083	2.1257	2.5978	3.7309	7.987		1.8429	0.8322	1.6519	3.5377	5.9402	13.0426	9.6876	11.1293	0.3512	7.335	11.83065
Nitrogen Oxide	R10	10	16	27	62	10	230	0.0836	0.9967	2.2897	2.1089	2.575	3.6957	7.9169		1.8171	0.8244	1.636	3.5066	5.888	12.928	9.6025	11.0315	0.3453	7.2929	11.76274
Nitrogen Oxide	R10	10	17	26	65	10	251	0.0835	0.9955	2.2967	2.1163	2.585	3.7112	7.9478		1.8279	0.828	1.6429	3.5203	5.9111	12.9785	9.6399	11.0746	0.3478	7.32328	11.81174
Nitrogen Oxide	R10	10	18	25	67	10	221	0.0843	1.0038	2.3136	2.1324	2.6069	3.7449	8.0151		1.852	0.8359	1.6582	3.5501	5.9611	13.0883	9.7216	11.1684	0.3533	7.35815	11.86798
Nitrogen Oxide	R10	10	19	25	69	10	77	0.0851	0.9903	2.2972	2.1176	2.5868	3.7139	7.9531		1.8291	0.8289	1.644	3.5226	5.915	12.9871	9.6464	11.082	0.3481	7.3475	11.85081
Nitrogen Oxide	R10	10	20	25	71	10	0	0.082	0.9766	2.2808	2.1028	2.5666	3.6828	7.891		1.8063	0.822	1.63	3.4952	5.8688	12.8858	9.5711	10.9956	0.343	0	0
Nitrogen Oxide	R10	10	21	24	71	10	0	0.084	1.0011	2.3152	2.1348	2.6102	3.7499	8.025		1.855	0.8375	1.6604	3.5545	5.9685	13.1045	9.7336	11.1822	0.354	0	0
Nitrogen Oxide	R10	10	22	24	71	10	0	0.084	1.0011	2.3152	2.1348	2.6102	3.7499	8.025		1.855	0.8375	1.6604	3.5545	5.9685	13.1045	9.7336	11.1822	0.354	0	0
Nitrogen Oxide	R10	10	23	24	72	10	0	0.0835	0.9948	2.3076	2.1278	2.6006	3.7353	7.9959		1.8443	0.8343	1.6537	3.5416	5.9468	13.057	9.6983	11.1416	0.3515	0	0
Nitrogen Oxide	R10	10	24	24	72	10	0	0.0835	0.9948	2.3076	2.1278	2.6006	3.7353	7.9959		1.8443	0.8343	1.6537	3.5416	5.9468	13.057	9.6983	11.1416	0.3515	0	0
Nitrogen Oxide	R10	11	1	21	75	10	0	0.0885	1.0554	2.3848	2.198	2.6962	3.8923	8.2894		1.9817	0.8696	1.7249	3.6716	6.1651	13.5364	10.0544	11.5507	0.3851	0	0
Nitrogen Oxide	R10	11	2	21	74	10	0	0.0889	1.0603	2.3911	2.2037	2.7039	3.9044	8.3134		1.9907	0.8723	1.7304	3.6823	6.183	13.5757	10.0835	11.5841	0.3871	0	0
Nitrogen Oxide	R10	11	3	21	74	10	0	0.0889	1.0603	2.3911	2.2037	2.7039	3.9044	8.3134		1.9907	0.8723	1.7304	3.6823	6.183	13.5757	10.0835	11.5841	0.3871	0	0
Nitrogen Oxide	R10	11	4	21	74	10	0	0.0889	1.0603	2.3911	2.2037	2.7039	3.9044	8.3134		1.9907	0.8723	1.7304	3.6823	6.183	13.5757	10.0835	11.5841	0.3871	0	0
Nitrogen Oxide	R10	11	5	21	74	10	0	0.0889	1.0603	2.3911	2.2037	2.7039	3.9044	8.3134		1.9907	0.8723	1.7304	3.6823	6.183	13.5757	10.0835	11.5841	0.3871	0	0
Nitrogen Oxide	R10	11	6	21	73	10	0	0.0893	1.0652	2.3975	2.2094	2.7118	3.9165	8.3375		1.9997	0.8751	1.7359	3.693	6.2008	13.6148	10.1127	11.6177	0.3892	0	0
Nitrogen Oxide	R10	11	7	21	73	10	0	0.0893	1.0652	2.3975	2.2094	2.7118	3.9165	8.3375		1.9997	0.8751	1.7359	3.693	6.2008	13.6148	10.1127	11.6177	0.3892	0	0
Nitrogen Oxide	R10	11	8	21	70	10	0	0.0905	1.0799	2.4164	2.2266	2.7353	3.9527	8.4096		2.0267	0.8832	1.7524	3.7249	6.2545	13.7326	10.2001	11.7181	0.3953	0	0
Nitrogen Oxide	R10	11	9	22	66	10	122	0.0903	1.0777	2.4139	2.2243	2.7322	3.9444	8.4001		2.0126	0.8813	1.7486	3.7207	6.2475	13.7172	10.1887	11.705	0.3913	7.7427	12.48823
Nitrogen Oxide	R10	11	10	23	61	10	258	0.0908	1.0839	2.4205	2.2303	2.7403	3.9534	8.4251		2.0113	0.8832	1.7527	3.7318	6.2661	13.758	10.2189	11.7398	0.3901	7.74915	12.49862
Nitrogen Oxide	R10	11	11	25	57	10	243	0.0898	1.0706	2.3954	2.2063	2.7077	3.9002	8.325		1.966	0.8708	1.7287	3.6874	6.1916	13.5945	10.0973	11.6003	0.379	7.66942	12.37012
Nitrogen Oxide	R10	11	12	25	56	10	224	0.0903	1.0771	2.4036	2.2137	2.7178	3.9156	8.356		1.9775	0.8742	1.7357	3.7012	6.2146	13.6451	10.135	11.6434	0.3816	7.68201	12.39034
Nitrogen Oxide	R10	11	13	25	56	10	217	0.0903	1.0771	2.4036	2.2137	2.7178	3.9156	8.356		1.9775	0.8742	1.7357	3.7012	6.2146	13.6451	10.135	11.6434	0.3816	7.70119	12.42128
Nitrogen Oxide	R10	11	14	26	56	10	193	0.0888	1.0597	2.3752	2.1871	2.6816	3.8598	8.2447		1.9371	0.8614	1.7105	3.6518	6.1318	13.4633	10	11.4883	0.3725	7.60855	12.27185
Nitrogen Oxide	R10	11	15	26	57	10	235	0.0882	1.0528	2.3666	2.1793	2.6708	3.8434	8.2116		1.925	0.8576	1.703	3.6372	6.1072	13.4094	9.96	11.4423	0.3697	7.54243	12.16521
Nitrogen Oxide	R10	11	16	25	58	10	230	0.0892	1.0642	2.3873	2.1989	2.6976	3.8846	8.294		1.9546	0.8675	1.7216	3.6737	6.1685	13.5439	10.0599	11.5571	0.3765	7.64218	12.32609
Nitrogen Oxide	R10	11	17	24	63	10	251	0.0881	1.0511	2.3768	2.1903	2.6859	3.8665	8.2578		1.9406	0.8638	1.7133	3.6577	6.1416	13.4848	10.016	11.5067	0.3734	7.61048	12.27496
Nitrogen Oxide	R10	11	18	23	66	10	221	0.0884	1.0552	2.3846	2.1977	2.6959	3.8849	8.2885		1.9608	0.8678	1.7216	3.6713	6.1645	13.5348	10.0532	11.5494	0.3787	7.61102	12.27584
Nitrogen Oxide	R10	11	19	23	70	10	77	0.0865	1.0322	2.3558	2.1715	2.6603	3.83	8.1792		1.9205	0.8555	1.6967	3.6228	6.0831	13.3564	9.9206	11.3971	0.3695	7.55789	12.19014
Nitrogen Oxide	R10	11	20	22	70	10	0	0.0886	1.0565	2.3869	2.1999	2.6988	3.8929	8.2976		1.9745	0.8697	1.7252	3.6753	6.1713	13.5498	10.0642	11.5621	0.3826	0	0
Nitrogen Oxide	R10	11	21	22	72	10	0	0.0877	1.0458	2.3734	2.1876	2.6821	3.8671	8.2464		1.9554	0.8639	1.7135	3.6525	6.1331	13.466	10.0021	11.4907	0.3783	0	0
Nitrogen Oxide	R10	11	22	22	74	10	0	0.0868	1.0351	2.3599	2.1754	2.6655	3.8415	8.1951		1.9363	0.858	1.7018	3.6299	6.095	13.3823	9.9399	11.4193	0.3739	0	0
Nitrogen Oxide	R10	11	23	22	74	10	0	0.0868	1.0351	2.3599	2.1754	2.6655	3.8415	8.1951		1.9363	0.858	1.7018	3.6299	6.095	13.3823	9.9399	11.4193	0.3739	0	0
Nitrogen Oxide	R10	12	24	21	74	10	0	0.0889	1.0603	2.3911	2.2037	2.7039	3.9044	8.3134		1.9907	0.8723	1.7304	3.6823	6.183	13.5757	10.0835	11.5841	0.3871	0	0
Nitrogen Oxide	R10	12	1	16	68	10	0	0.1059	1.2669	2.5584	2.3477	2.8997	4.2276	8.9153		2.2761	0.9473	1.8769	3.9489	6.6306	14.5584	10.8135	12.4228	0.4571	0	0
Nitrogen Oxide	R10	12	2	16	69	10	0	0.1055	1.2627	2.5537	2.3436	2.8941	4.2188	8.898		2.2694	0.9454	1.873	3.9412	6.6177	14.5301	10.7924	12.3987	0.4555	0	0
Nitrogen Oxide	R10	12	3	16	69	10	0	0.1055	1.2627	2.5537	2.3436	2.8941	4.2188	8.898		2.2694	0.9454	1.873	3.9412	6.6177	14.5301	10.7924	12.3987	0.4555	0	0
Nitrogen Oxide	R10	12	4	15	70	10	0	0.1085	1.2984	2.5722	2.3582	2.9139	4.254	8.9588		2.3052	0.954	1.8887	3.9682	6.6629	14.6295	10.8662	12.4834	0.4648	0	0
Nitrogen Oxide	R10	12	5	15	70	10	0	0.1085	1.2984	2.5722	2.3582	2.9139	4.254	8.9588		2.3052	0.954	1.8887	3.9682	6.6629	14.6295	10.8662	12.4834	0.4648	0	0
Nitrogen Oxide	R10	12	6	15	70	10	0	0.1085	1.2984	2.5722	2.3582	2.9139	4.254	8.9588		2.3052	0.954	1.8887	3.9682	6.6629	14.6295	10.8662	12.4834	0.4648	0	0
Nitrogen Oxide	R10	12	7	15	70	10	0	0.1085	1.2984	2.5722	2.3582	2.9139	4.254	8.9588		2.3052	0.954	1.8887	3.9682	6.6629	14.6295	10.8662	12.4834	0.4648	0	0
Nitrogen Oxide	R10	12	8	15	69	10	0	0.1087	1.3026	2.5765	2.362	2.9192	4.2622	8.973		2.3114	0.9559	1.8925	3.9753	6.675	14.6559	10.8859	12.506	0.4663	0	0
Nitrogen Oxide	R10	12	9	16	65	10	122	0.1069	1.2797	2.5722	2.3601	2.9166	4.2539	8.9672		2.296	0.9533	1.8889	3.9719	6.6692	14.6431	10.8764	12.4951	0.4617	8.2718	13.3416
Nitrogen Oxide	R10	12	10	17	62	10	258	0.1049	1.2544	2.5643	2.3548	2.9095	4.2387	8.9454		2.2754	0.9492	1.882	3.9622	6.653	14.6076	10.85	12.4648	0.456	8.23392	13.28052
Nitrogen Oxide	R10	12	11	18	58	10	243	0.1033	1.2355	2.5624	2.3549	2.9097	4.2348	8.9461		2.2635	0.9478	1.8803	3.9625	6.6535	14.6087	10.8508	12.4657	0.4522	8.24813	13.30343
Nitrogen Oxide	R10	12	12	19	57	10	224	0.1008	1.2043	2.5453	2.3413	2.8912	4.2021	8.8893		2.2299	0.94	1.8655	3.9374	6.6113	14.516	10.782	12.3863	0.4436	8.17785	13.19008
Nitrogen Oxide	R10	12	13	19	56	10	217	0.1011	1.2093	2.551	2.3463	2.8981	4.2128	8.9104		2.2379	0.9424	1.8703	3.9468	6.627	14.5504	10.8075	12.416	0.4454	8.21767	13.2543
Nitrogen Oxide	R10	12	14	19	56	10	193	0.1011	1.2093	2.551	2.3463	2.8981	4.2128	8.9104		2.2379	0.9424	1.8703	3.9468	6.627	14.5504	10.8075	12.416	0.4454	8.22888	13.27239
Nitrogen Oxide	R10	12	15	19	56	10	235	0.1011	1.2093	2.551	2.3463	2.8981	4.2128	8.9104		2.2379	0.9424	1.8703	3.9468	6.627	14.5504	10.8075	12.416	0.4454	8.19077	13.21092
Nitrogen Oxide	R10	12	16	19	57	10	230	0.1008	1.2043	2.5453	2.3413	2.8912	4.2021	8.8893		2.2299	0.94	1.8655	3.9374	6.6113	14.516	10.782	12.3863	0.4436	8.19641	13.22002
Nitrogen Oxide	R10	12	17	18	60	10	251	0.1026	1.2251	2.5519	2.3455	2.8969	4.2149	8.9265		2.2484	0.9434	1.8713	3.945	6.6211	14.5411	10.8027	12.4088	0.4488	8.21491	13.24985
Nitrogen Oxide	R10	12	18	18	64	10	221	0.101	1.2073	2.5308	2.3266	2.8712	4.175	8.8276		2.2183	0.9343	1.8532	3.91	6.5653	14.4151	10.707	12.3005	0.4418	8.11182	13.08357
Nitrogen Oxide	R10	12	19	17	65	10	77	0.1037	1.2409	2.5495	2.3416	2.8915	4.2107	8.89		2.2541	0.9429	1.8692	3.9377	6.6118	14.5171	10.7827	12.3875	0.4511	8.22153	13.26053
Nitrogen Oxide	R10	12	20	17	66	10	0	0.1033	1.2365	2.5445	2.3372	2.8854	4.2012	8.8714		2.247	0.9408	1.865	3.9295	6.598	14.4868	10.7603	12.3617	0.4494	0	0
Nitrogen Oxide	R10	12	21	17	66	10	0	0.1033	1.2365	2.5445	2.3372	2.8854	4.2012	8.8714		2.247	0.9408	1.865	3.9295	6.598	14.4868	10.7603	12.3617	0.4494	0	0
Nitrogen Oxide	R10	12	22	16	66	10	0	0.1066	1.2755	2.5676	2.356	2.9109	4.2452	8.9499		2.2893	0.9513	1.8849	3.9642	6.6563	14.6149	10.8555	12.471	0.4602	0	0
Nitrogen Oxide	R10	12	23	16	66	10	0	0.1066	1.2755	2.5676	2.356	2.9109	4.2452	8.9499		2.2893	0.9513	1.8849	3.9642	6.6563	14.6149	10.8555	12.471	0.4602	0	0
Nitrogen Oxide	R10	12	24	16	67	10	0	0.1062	1.2713	2.5629	2.3518	2.9054	4.2364	8.9326		2.2827	0.9494	1.8809	3.9565	6.6435	14.5866	10.8344	12.4469	0.4587	0	0
Nitrogen Oxide	R11	1	1	17	76	10	80								6.737										6.737	10.86613
Nitrogen Oxide	R11	1	2	17	77	10	80								6.7226										6.7226	10.8429
Nitrogen Oxide	R11	1	3	17	77	10	80								6.7226										6.7226	10.8429
Nitrogen Oxide	R11	1	4	17	77	10	80								6.7226										6.7226	10.8429
Nitrogen Oxide	R11	1	5	17	78	10	80								6.7083										6.7083	10.81984
Nitrogen Oxide	R11	1	6	17	77	10	80								6.7226										6.7226	10.8429
Nitrogen Oxide	R11	1	7	16	77	10	80								6.7935										6.7935	10.95726
Nitrogen Oxide	R11	1	8	17	77	10	80								6.7226										6.7226	10.8429
Nitrogen Oxide	R11	1	9	17	73	10	80								6.7799										6.7799	10.93532
Nitrogen Oxide	R11	1	10	19	69	10	80								6.6978										6.6978	10.8029
Nitrogen Oxide	R11	1	11	20	64	10	80								6.7089										6.7089	10.82081
Nitrogen Oxide	R11	1	12	21	62	10	80								6.6712										6.6712	10.76
Nitrogen Oxide	R11	1	13	21	61	10	80								6.6898										6.6898	10.79
Nitrogen Oxide	R11	1	14	21	62	10	80								6.6712										6.6712	10.76
Nitrogen Oxide	R11	1	15	21	62	10	80								6.6712										6.6712	10.76
Nitrogen Oxide	R11	1	16	21	63	10	80								6.6526										6.6526	10.73
Nitrogen Oxide	R11	1	17	20	67	10	80								6.6565										6.6565	10.73629
Nitrogen Oxide	R11	1	18	19	72	10	80								6.6488										6.6488	10.72387
Nitrogen Oxide	R11	1	19	18	74	10	80								6.693										6.693	10.79516
Nitrogen Oxide	R11	1	20	18	74	10	80								6.693										6.693	10.79516
Nitrogen Oxide	R11	1	21	18	75	10	80								6.6778										6.6778	10.77065
Nitrogen Oxide	R11	1	22	18	76	10	80								6.6625										6.6625	10.74597
Nitrogen Oxide	R11	1	23	18	75	10	80								6.6778										6.6778	10.77065
Nitrogen Oxide	R11	1	24	17	76	10	80								6.737										6.737	10.86613
Nitrogen Oxide	R11	2	1	17	78	10	80								6.7083										6.7083	10.81984
Nitrogen Oxide	R11	2	2	17	80	10	80								6.6795										6.6795	10.77339
Nitrogen Oxide	R11	2	3	17	81	10	80								6.6652										6.6652	10.75032
Nitrogen Oxide	R11	2	4	17	82	10	80								6.6509										6.6509	10.72726
Nitrogen Oxide	R11	2	5	16	83	10	80								6.7131										6.7131	10.82758
Nitrogen Oxide	R11	2	6	16	83	10	80								6.7131										6.7131	10.82758
Nitrogen Oxide	R11	2	7	16	83	10	80								6.7131										6.7131	10.82758
Nitrogen Oxide	R11	2	8	17	81	10	80								6.6652										6.6652	10.75032
Nitrogen Oxide	R11	2	9	18	77	10	80								6.6471										6.6471	10.72113
Nitrogen Oxide	R11	2	10	19	73	10	80								6.6324										6.6324	10.69742
Nitrogen Oxide	R11	2	11	20	70	10	80								6.6041										6.6041	10.65177
Nitrogen Oxide	R11	2	12	20	68	10	80								6.6391										6.6391	10.70823
Nitrogen Oxide	R11	2	13	21	65	10	80								6.6153										6.6153	10.66984
Nitrogen Oxide	R11	2	14	21	65	10	80								6.6153										6.6153	10.66984
Nitrogen Oxide	R11	2	15	21	66	10	80								6.5966										6.5966	10.63968
Nitrogen Oxide	R11	2	16	20	68	10	80								6.6391										6.6391	10.70823
Nitrogen Oxide	R11	2	17	20	70	10	80								6.6041										6.6041	10.65177
Nitrogen Oxide	R11	2	18	19	74	10	80								6.6161										6.6161	10.67113
Nitrogen Oxide	R11	2	19	18	76	10	80								6.6625										6.6625	10.74597
Nitrogen Oxide	R11	2	20	18	78	10	80								6.6318										6.6318	10.69645
Nitrogen Oxide	R11	2	21	18	78	10	80								6.6318										6.6318	10.69645
Nitrogen Oxide	R11	2	22	18	78	10	80								6.6318										6.6318	10.69645
Nitrogen Oxide	R11	2	23	18	78	10	80								6.6318										6.6318	10.69645
Nitrogen Oxide	R11	2	24	18	78	10	80								6.6318										6.6318	10.69645
Nitrogen Oxide	R11	3	1	21	86	10	80								6.2239										6.2239	10.03855
Nitrogen Oxide	R11	3	2	20	87	10	80								6.3072										6.3072	10.1729
Nitrogen Oxide	R11	3	3	20	87	10	80								6.3072										6.3072	10.1729
Nitrogen Oxide	R11	3	4	20	87	10	80								6.3072										6.3072	10.1729
Nitrogen Oxide	R11	3	5	20	87	10	80								6.3072										6.3072	10.1729
Nitrogen Oxide	R11	3	6	20	87	10	80								6.3072										6.3072	10.1729
Nitrogen Oxide	R11	3	7	20	87	10	80

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:
(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.
(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Oxide	R11	4	10	23	69	10	80								6.3646										6.3646	10.26548
Nitrogen Oxide	R11	4	11	23	68	10	80								6.3858										6.3858	10.29968
Nitrogen Oxide	R11	4	12	24	66	10	80								6.3367										6.3367	10.22048
Nitrogen Oxide	R11	4	13	24	65	10	80								6.3593										6.3593	10.25694
Nitrogen Oxide	R11	4	14	24	66	10	80								6.3367										6.3367	10.22048
Nitrogen Oxide	R11	4	15	24	66	10	80								6.3367										6.3367	10.22048
Nitrogen Oxide	R11	4	16	24	67	10	80								6.3141										6.3141	10.18403
Nitrogen Oxide	R11	4	17	23	69	10	80								6.3646										6.3646	10.26548
Nitrogen Oxide	R11	4	18	22	74	10	80								6.3558										6.3558	10.25129
Nitrogen Oxide	R11	4	19	22	76	10	80								6.316										6.316	10.1871
Nitrogen Oxide	R11	4	20	21	79	10	80								6.3544										6.3544	10.24903
Nitrogen Oxide	R11	4	21	21	80	10	80								6.3357										6.3357	10.21887
Nitrogen Oxide	R11	4	22	21	81	10	80								6.3171										6.3171	10.18887
Nitrogen Oxide	R11	4	23	21	82	10	80								6.2985										6.2985	10.15887
Nitrogen Oxide	R11	4	24	20	82	10	80								6.3945										6.3945	10.31371
Nitrogen Oxide	R11	5	1	26	91	10	80								5.4988										5.4988	8.86903
Nitrogen Oxide	R11	5	2	25	92	10	80								5.6151										5.6151	9.05661
Nitrogen Oxide	R11	5	3	25	92	10	80								5.6151										5.6151	9.05661
Nitrogen Oxide	R11	5	4	25	91	10	80								5.6392										5.6392	9.09548
Nitrogen Oxide	R11	5	5	25	92	10	80								5.6151										5.6151	9.05661
Nitrogen Oxide	R11	5	6	25	93	10	80								5.5911										5.5911	9.0179
Nitrogen Oxide	R11	5	7	26	91	10	80								5.4988										5.4988	8.86903
Nitrogen Oxide	R11	5	8	27	85	10	80								5.5142										5.5142	8.89387
Nitrogen Oxide	R11	5	9	28	80	10	80								5.5136										5.5136	8.8929
Nitrogen Oxide	R11	5	10	28	78	10	80								5.5714										5.5714	8.98613
Nitrogen Oxide	R11	5	11	29	77	10	80								5.462										5.462	8.80968
Nitrogen Oxide	R11	5	12	29	75	10	80								5.5234										5.5234	8.90871
Nitrogen Oxide	R11	5	13	29	74	10	80								5.5541										5.5541	8.95823
Nitrogen Oxide	R11	5	14	29	75	10	80								5.5234										5.5234	8.90871
Nitrogen Oxide	R11	5	15	29	75	10	80								5.5234										5.5234	8.90871
Nitrogen Oxide	R11	5	16	29	77	10	80								5.462										5.462	8.80968
Nitrogen Oxide	R11	5	17	28	78	10	80								5.5714										5.5714	8.98613
Nitrogen Oxide	R11	5	18	28	81	10	80								5.4847										5.4847	8.84629
Nitrogen Oxide	R11	5	19	27	84	10	80								5.5415										5.5415	8.9379
Nitrogen Oxide	R11	5	20	27	87	10	80								5.4598										5.4598	8.80613
Nitrogen Oxide	R11	5	21	27	88	10	80								5.4326										5.4326	8.76226
Nitrogen Oxide	R11	5	22	26	89	10	80								5.55										5.55	8.95161
Nitrogen Oxide	R11	5	23	26	89	10	80								5.55										5.55	8.95161
Nitrogen Oxide	R11	5	24	26	90	10	80								5.5244										5.5244	8.91032
Nitrogen Oxide	R11	6	1	28	88	10	80								5.2823										5.2823	8.51984
Nitrogen Oxide	R11	6	2	27	89	10	80								5.4054										5.4054	8.71839
Nitrogen Oxide	R11	6	3	27	89	10	80								5.4054										5.4054	8.71839
Nitrogen Oxide	R11	6	4	27	88	10	80								5.4326										5.4326	8.76226
Nitrogen Oxide	R11	6	5	27	89	10	80								5.4054										5.4054	8.71839
Nitrogen Oxide	R11	6	6	27	90	10	80								5.3782										5.3782	8.67452
Nitrogen Oxide	R11	6	7	28	87	10	80								5.3111										5.3111	8.56629
Nitrogen Oxide	R11	6	8	29	82	10	80								5.3084										5.3084	8.56194
Nitrogen Oxide	R11	6	9	29	79	10	80								5.4006										5.4006	8.71065
Nitrogen Oxide	R11	6	10	30	76	10	80								5.3494										5.3494	8.62806
Nitrogen Oxide	R11	6	11	30	75	10	80								5.3819										5.3819	8.68048
Nitrogen Oxide	R11	6	12	30	74	10	80								5.4146										5.4146	8.73323
Nitrogen Oxide	R11	6	13	31	73	10	80								5.3027										5.3027	8.55274
Nitrogen Oxide	R11	6	14	31	72	10	80								5.3373										5.3373	8.60855
Nitrogen Oxide	R11	6	15	30	74	10	80								5.4146										5.4146	8.73323
Nitrogen Oxide	R11	6	16	30	74	10	80								5.4146										5.4146	8.73323
Nitrogen Oxide	R11	6	17	30	75	10	80								5.3819										5.3819	8.68048
Nitrogen Oxide	R11	6	18	29	79	10	80								5.4006										5.4006	8.71065
Nitrogen Oxide	R11	6	19	29	81	10	80								5.3392										5.3392	8.61161
Nitrogen Oxide	R11	6	20	28	83	10	80								5.4268										5.4268	8.7529
Nitrogen Oxide	R11	6	21	28	85	10	80								5.369										5.369	8.65968
Nitrogen Oxide	R11	6	22	28	86	10	80								5.34										5.34	8.6129
Nitrogen Oxide	R11	6	23	28	87	10	80								5.3111										5.3111	8.56629
Nitrogen Oxide	R11	6	24	28	87	10	80								5.3111										5.3111	8.56629
Nitrogen Oxide	R11	7	1	28	84	10	80								5.3979										5.3979	8.70629
Nitrogen Oxide	R11	7	2	28	84	10	80								5.3979										5.3979	8.70629
Nitrogen Oxide	R11	7	3	28	86	10	80								5.34										5.34	8.6129
Nitrogen Oxide	R11	7	4	28	86	10	80								5.34										5.34	8.6129
Nitrogen Oxide	R11	7	5	28	88	10	80								5.2823										5.2823	8.51984
Nitrogen Oxide	R11	7	6	27	88	10	80								5.4326										5.4326	8.76226
Nitrogen Oxide	R11	7	7	28	86	10	80								5.34										5.34	8.6129
Nitrogen Oxide	R11	7	8	29	81	10	80								5.3392										5.3392	8.61161
Nitrogen Oxide	R11	7	9	30	76	10	80								5.3494										5.3494	8.62806
Nitrogen Oxide	R11	7	10	31	70	10	80								5.4065										5.4065	8.72016
Nitrogen Oxide	R11	7	11	31	68	10	80								5.4757										5.4757	8.83177
Nitrogen Oxide	R11	7	12	32	67	10	80								5.3713										5.3713	8.66339
Nitrogen Oxide	R11	7	13	32	66	10	80								5.4079										5.4079	8.72242
Nitrogen Oxide	R11	7	14	32	66	10	80								5.4079										5.4079	8.72242
Nitrogen Oxide	R11	7	15	31	68	10	80								5.4757										5.4757	8.83177
Nitrogen Oxide	R11	7	16	31	69	10	80								5.441										5.441	8.77581
Nitrogen Oxide	R11	7	17	31	70	10	80								5.4065										5.4065	8.72016
Nitrogen Oxide	R11	7	18	30	73	10	80								5.4472										5.4472	8.78581
Nitrogen Oxide	R11	7	19	29	76	10	80								5.4927										5.4927	8.85919
Nitrogen Oxide	R11	7	20	29	79	10	80								5.4006										5.4006	8.71065
Nitrogen Oxide	R11	7	21	29	81	10	80								5.3392										5.3392	8.61161
Nitrogen Oxide	R11	7	22	29	82	10	80								5.3084										5.3084	8.56194
Nitrogen Oxide	R11	7	23	28	83	10	80								5.4268										5.4268	8.7529
Nitrogen Oxide	R11	7	24	28	84	10	80								5.3979										5.3979	8.70629
Nitrogen Oxide	R11	8	1	27	90	10	80								5.3782										5.3782	8.67452
Nitrogen Oxide	R11	8	2	26	90	10	80								5.5244										5.5244	8.91032
Nitrogen Oxide	R11	8	3	26	91	10	80								5.4988										5.4988	8.86903
Nitrogen Oxide	R11	8	4	26	92	10	80								5.4732										5.4732	8.82774
Nitrogen Oxide	R11	8	5	26	93	10	80								5.4477										5.4477	8.78661
Nitrogen Oxide	R11	8	6	26	94	10	80								5.422										5.422	8.74516
Nitrogen Oxide	R11	8	7	26	93	10	80								5.4477										5.4477	8.78661
Nitrogen Oxide	R11	8	8	27	87	10	80								5.4598										5.4598	8.80613
Nitrogen Oxide	R11	8	9	29	81	10	80								5.3392										5.3392	8.61161
Nitrogen Oxide	R11	8	10	30	76	10	80								5.3494										5.3494	8.62806
Nitrogen Oxide	R11	8	11	30	73	10	80								5.4472										5.4472	8.78581
Nitrogen Oxide	R11	8	12	30	73	10	80								5.4472										5.4472	8.78581
Nitrogen Oxide	R11	8	13	30	74	10	80								5.4146										5.4146	8.73323
Nitrogen Oxide	R11	8	14	30	74	10	80								5.4146										5.4146	8.73323
Nitrogen Oxide	R11	8	15	30	75	10	80								5.3819										5.3819	8.68048
Nitrogen Oxide	R11	8	16	29	77	10	80								5.462										5.462	8.80968
Nitrogen Oxide	R11	8	17	29	79	10	80								5.4006										5.4006	8.71065
Nitrogen Oxide	R11	8	18	28	80	10	80								5.5136										5.5136	8.8929
Nitrogen Oxide	R11	8	19	28	82	10	80								5.4557										5.4557	8.79952
Nitrogen Oxide	R11	8	20	28	84	10	80								5.3979										5.3979	8.70629
Nitrogen Oxide	R11	8	21	27	85	10	80								5.5142										5.5142	8.89387
Nitrogen Oxide	R11	8	22	27	87	10	80								5.4598										5.4598	8.80613
Nitrogen Oxide	R11	8	23	27	88	10	80								5.4326										5.4326	8.76226
Nitrogen Oxide	R11	8	24	27	89	10	80								5.4054										5.4054	8.71839
Nitrogen Oxide	R11	9	1	27	89	10	80								5.4054										5.4054	8.71839
Nitrogen Oxide	R11	9	2	26	89	10	80								5.55										5.55	8.95161
Nitrogen Oxide	R11	9	3	26	91	10	80								5.4988										5.4988	8.86903
Nitrogen Oxide	R11	9	4	26	92	10	80								5.4732										5.4732	8.82774
Nitrogen Oxide	R11	9	5	26	92	10	80								5.4732										5.4732	8.82774
Nitrogen Oxide	R11	9	6	26	93	10	80								5.4477										5.4477	8.78661
Nitrogen Oxide	R11	9	7	26	93	10	80								5.4477										5.4477	8.78661
Nitrogen Oxide	R11	9	8	27	88	10	80								5.4326										5.4326	8.76226
Nitrogen Oxide	R11	9	9	28	83	10	80								5.4268										5.4268	8.7529
Nitrogen Oxide	R11	9	10	29	78	10	80								5.4313										5.4313	8.76016
Nitrogen Oxide	R11	9	11	29	76	10	80								5.4927										5.4927	8.85919
Nitrogen Oxide	R11	9	12	29	76	10	80								5.4927										5.4927	8.85919
Nitrogen Oxide	R11	9	13	30	75	10	80								5.3819										5.3819	8.68048
Nitrogen Oxide	R11	9	14	29	75	10	80								5.5234										5.5234	8.90871
Nitrogen Oxide	R11	9	15	29	77	10	80								5.462										5.462	8.80968
Nitrogen Oxide	R11	9	16	29	76	10	80								5.4927										5.4927	8.85919
Nitrogen Oxide	R11	9	17	29	78	10	80								5.4313										5.4313	8.76016
Nitrogen Oxide	R11	9	18	28	81	10	80								5.4847										5.4847	8.84629
Nitrogen Oxide	R11	9	19	27	84	10	80								5.5415										5.5415	8.9379
Nitrogen Oxide	R11	9	20	27	86	10	80								5.487										5.487	8.85
Nitrogen Oxide	R11	9	21	27	87	10	80								5.4598										5.4598	8.80613
Nitrogen Oxide	R11	9	22	27	89	10	80								5.4054										5.4054	8.71839
Nitrogen Oxide	R11	9	23	27	89	10	80								5.4054										5.4054	8.71839
Nitrogen Oxide	R11	9	24	26	89	10	80								5.55										5.55	8.95161
Nitrogen Oxide	R11	10	1	24	74	10	80								6.1561										6.1561	9.92919
Nitrogen Oxide	R11	10	2	23	74	10	80								6.2587										6.2587	10.09468
Nitrogen Oxide	R11	10	3	23	74	10	80								6.2587										6.2587	10.09468
Nitrogen Oxide	R11	10	4	23	75	10	80								6.2375										6.2375	10.06048
Nitrogen Oxide	R11	10	5	23	74	10	80								6.2587										6.2587	10.09468
Nitrogen Oxide	R11	10	6	23	75	10	80								6.2375										6.2375	10.06048
Nitrogen Oxide	R11	10	7	23	75	10	80								6.2375										6.2375	10.06048
Nitrogen Oxide	R11	10	8	23	72	10	80								6.301										6.301	10.1629
Nitrogen Oxide	R11	10	9	24	69	10	80								6.269										6.269	10.11129
Nitrogen Oxide	R11	10	10	25	64	10	80								6.2882										6.2882	10.14226
Nitrogen Oxide	R11	10	11	26	61	10	80								6.2663										6.2663	10.10694
Nitrogen Oxide	R11	10	12	27	60	10	80								6.1944										6.1944	9.99097
Nitrogen Oxide	R11	10	13	27	59	10	80								6.2216										6.2216	10.03484
Nitrogen Oxide	R11	10	14	27	59	10	80								6.2216										6.2216	10.03484

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:
(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.
(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Oxide	R11	10	15	27	60	10	80								6.1944										6.1944	9.99097
Nitrogen Oxide	R11	10	16	27	62	10	80								6.14										6.14	9.90323
Nitrogen Oxide	R11	10	17	26	65	10	80								6.1639										6.1639	9.94177
Nitrogen Oxide	R11	10	18	25	67	10	80								6.2161										6.2161	10.02597
Nitrogen Oxide	R11	10	19	25	69	10	80								6.168										6.168	9.94839
Nitrogen Oxide	R11	10	20	25	71	10	80								6.1199										6.1199	9.87081
Nitrogen Oxide	R11	10	21	24	71	10	80								6.2238										6.2238	10.03839
Nitrogen Oxide	R11	10	22	24	71	10	80								6.2238										6.2238	10.03839
Nitrogen Oxide	R11	10	23	24	72	10	80								6.2013										6.2013	10.0021
Nitrogen Oxide	R11	10	24	24	72	10	80								6.2013										6.2013	10.0021
Nitrogen Oxide	R11	11	1	21	75	10	80								6.4289										6.4289	10.36919
Nitrogen Oxide	R11	11	2	21	74	10	80								6.4476										6.4476	10.39935
Nitrogen Oxide	R11	11	3	21	74	10	80								6.4476										6.4476	10.39935
Nitrogen Oxide	R11	11	4	21	74	10	80								6.4476										6.4476	10.39935
Nitrogen Oxide	R11	11	5	21	74	10	80								6.4476										6.4476	10.39935
Nitrogen Oxide	R11	11	6	21	73	10	80								6.4662										6.4662	10.42935
Nitrogen Oxide	R11	11	7	21	73	10	80								6.4662										6.4662	10.42935
Nitrogen Oxide	R11	11	8	21	70	10	80								6.5221										6.5221	10.51952
Nitrogen Oxide	R11	11	9	22	66	10	80								6.5148										6.5148	10.50774
Nitrogen Oxide	R11	11	10	23	61	10	80								6.5342										6.5342	10.53903
Nitrogen Oxide	R11	11	11	25	57	10	80								6.4565										6.4565	10.41371
Nitrogen Oxide	R11	11	12	25	56	10	80								6.4806										6.4806	10.45258
Nitrogen Oxide	R11	11	13	25	56	10	80								6.4806										6.4806	10.45258
Nitrogen Oxide	R11	11	14	26	56	10	80								6.3942										6.3942	10.31323
Nitrogen Oxide	R11	11	15	26	57	10	80								6.3686										6.3686	10.27194
Nitrogen Oxide	R11	11	16	25	58	10	80								6.4325										6.4325	10.375
Nitrogen Oxide	R11	11	17	24	63	10	80								6.4045										6.4045	10.32984
Nitrogen Oxide	R11	11	18	23	66	10	80								6.4282										6.4282	10.36806
Nitrogen Oxide	R11	11	19	23	70	10	80								6.3435										6.3435	10.23145
Nitrogen Oxide	R11	11	20	22	70	10	80								6.4353										6.4353	10.37952
Nitrogen Oxide	R11	11	21	22	72	10	80								6.3955										6.3955	10.31532
Nitrogen Oxide	R11	11	22	22	74	10	80								6.3558										6.3558	10.25129
Nitrogen Oxide	R11	11	23	22	74	10	80								6.3558										6.3558	10.25129
Nitrogen Oxide	R11	11	24	21	74	10	80								6.4476										6.4476	10.39935
Nitrogen Oxide	R11	12	1	16	68	10	80								6.9143										6.9143	11.1521
Nitrogen Oxide	R11	12	2	16	69	10	80								6.9009										6.9009	11.13048
Nitrogen Oxide	R11	12	3	16	69	10	80								6.9009										6.9009	11.13048
Nitrogen Oxide	R11	12	4	15	70	10	80								6.9481										6.9481	11.20661
Nitrogen Oxide	R11	12	5	15	70	10	80								6.9481										6.9481	11.20661
Nitrogen Oxide	R11	12	6	15	70	10	80								6.9481										6.9481	11.20661
Nitrogen Oxide	R11	12	7	15	70	10	80								6.9481										6.9481	11.20661
Nitrogen Oxide	R11	12	8	15	69	10	80								6.9607										6.9607	11.22694
Nitrogen Oxide	R11	12	9	16	65	10	80								6.9546										6.9546	11.2171
Nitrogen Oxide	R11	12	10	17	62	10	80								6.9377										6.9377	11.18984
Nitrogen Oxide	R11	12	11	18	58	10	80								6.9382										6.9382	11.19065
Nitrogen Oxide	R11	12	12	19	57	10	80								6.8942										6.8942	11.11968
Nitrogen Oxide	R11	12	13	19	56	10	80								6.9105										6.9105	11.14597
Nitrogen Oxide	R11	12	14	19	56	10	80								6.9105										6.9105	11.14597
Nitrogen Oxide	R11	12	15	19	56	10	80								6.9105										6.9105	11.14597
Nitrogen Oxide	R11	12	16	19	57	10	80								6.8942										6.8942	11.11968
Nitrogen Oxide	R11	12	17	18	60	10	80								6.9076										6.9076	11.14129
Nitrogen Oxide	R11	12	18	18	64	10	80								6.8463										6.8463	11.04242
Nitrogen Oxide	R11	12	19	17	65	10	80								6.8947										6.8947	11.12048
Nitrogen Oxide	R11	12	20	17	66	10	80								6.8803										6.8803	11.09726
Nitrogen Oxide	R11	12	21	17	66	10	80								6.8803										6.8803	11.09726
Nitrogen Oxide	R11	12	22	16	66	10	80								6.9412										6.9412	11.19548
Nitrogen Oxide	R11	12	23	16	66	10	80								6.9412										6.9412	11.19548
Nitrogen Oxide	R11	12	24	16	67	10	80								6.9278										6.9278	11.17387
Nitrogen Oxide	R12	1	1	17	76	10	0								6.737										0	0
Nitrogen Oxide	R12	1	2	17	77	10	0								6.7226										0	0
Nitrogen Oxide	R12	1	3	17	77	10	0								6.7226										0	0
Nitrogen Oxide	R12	1	4	17	77	10	0								6.7226										0	0
Nitrogen Oxide	R12	1	5	17	78	10	0								6.7083										0	0
Nitrogen Oxide	R12	1	6	17	77	10	0								6.7226										0	0
Nitrogen Oxide	R12	1	7	16	77	10	0								6.7935										0	0
Nitrogen Oxide	R12	1	8	17	77	10	142								6.7226										6.7226	10.8429
Nitrogen Oxide	R12	1	9	17	73	10	142								6.7799										6.7799	10.93532
Nitrogen Oxide	R12	1	10	19	69	10	142								6.6978										6.6978	10.8029
Nitrogen Oxide	R12	1	11	20	64	10	142								6.7089										6.7089	10.82081
Nitrogen Oxide	R12	1	12	21	62	10	142								6.6712										6.6712	10.76
Nitrogen Oxide	R12	1	13	21	61	10	142								6.6898										6.6898	10.79
Nitrogen Oxide	R12	1	14	21	62	10	142								6.6712										6.6712	10.76
Nitrogen Oxide	R12	1	15	21	62	10	142								6.6712										6.6712	10.76
Nitrogen Oxide	R12	1	16	21	63	10	142								6.6526										6.6526	10.73
Nitrogen Oxide	R12	1	17	20	67	10	142								6.6565										6.6565	10.73629
Nitrogen Oxide	R12	1	18	19	72	10	142								6.6488										6.6488	10.72387
Nitrogen Oxide	R12	1	19	18	74	10	142								6.693										6.693	10.79516
Nitrogen Oxide	R12	1	20	18	74	10	142								6.693										6.693	10.79516
Nitrogen Oxide	R12	1	21	18	75	10	142								6.6778										6.6778	10.77065
Nitrogen Oxide	R12	1	22	18	76	10	142								6.6625										6.6625	10.74597
Nitrogen Oxide	R12	1	23	18	75	10	142								6.6778										6.6778	10.77065
Nitrogen Oxide	R12	1	24	17	76	10	0								6.737										0	0
Nitrogen Oxide	R12	2	1	17	78	10	0								6.7083										0	0
Nitrogen Oxide	R12	2	2	17	80	10	0								6.6795										0	0
Nitrogen Oxide	R12	2	3	17	81	10	0								6.6652										0	0
Nitrogen Oxide	R12	2	4	17	82	10	0								6.6509										0	0
Nitrogen Oxide	R12	2	5	16	83	10	0								6.7131										0	0
Nitrogen Oxide	R12	2	6	16	83	10	0								6.7131										0	0
Nitrogen Oxide	R12	2	7	16	83	10	0								6.7131										0	0
Nitrogen Oxide	R12	2	8	17	81	10	142								6.6652										6.6652	10.75032
Nitrogen Oxide	R12	2	9	18	77	10	142								6.6471										6.6471	10.72113
Nitrogen Oxide	R12	2	10	19	73	10	142								6.6324										6.6324	10.69742
Nitrogen Oxide	R12	2	11	20	70	10	142								6.6041										6.6041	10.65177
Nitrogen Oxide	R12	2	12	20	68	10	142								6.6391										6.6391	10.70823
Nitrogen Oxide	R12	2	13	21	65	10	142								6.6153										6.6153	10.66984
Nitrogen Oxide	R12	2	14	21	65	10	142								6.6153										6.6153	10.66984
Nitrogen Oxide	R12	2	15	21	66	10	142								6.5966										6.5966	10.63968
Nitrogen Oxide	R12	2	16	20	68	10	142								6.6391										6.6391	10.70823
Nitrogen Oxide	R12	2	17	20	70	10	142								6.6041										6.6041	10.65177
Nitrogen Oxide	R12	2	18	19	74	10	142								6.6161										6.6161	10.67113
Nitrogen Oxide	R12	2	19	18	76	10	142								6.6625										6.6625	10.74597
Nitrogen Oxide	R12	2	20	18	78	10	142								6.6318										6.6318	10.69645
Nitrogen Oxide	R12	2	21	18	78	10	142								6.6318										6.6318	10.69645
Nitrogen Oxide	R12	2	22	18	78	10	142								6.6318										6.6318	10.69645
Nitrogen Oxide	R12	2	23	18	78	10	142								6.6318										6.6318	10.69645
Nitrogen Oxide	R12	2	24	18	78	10	0								6.6318										0	0
Nitrogen Oxide	R12	3	1	21	86	10	0								6.2239										0	0
Nitrogen Oxide	R12	3	2	20	87	10	0								6.3072										0	0
Nitrogen Oxide	R12	3	3	20	87	10	0								6.3072										0	0
Nitrogen Oxide	R12	3	4	20	87	10	0								6.3072										0	0
Nitrogen Oxide	R12	3	5	20	87	10	0								6.3072										0	0
Nitrogen Oxide	R12	3	6	20	87	10	0								6.3072										0	0
Nitrogen Oxide	R12	3	7	20	87	10	0								6.3072										0	0
Nitrogen Oxide	R12	3	8	20	86	10	142								6.3246										6.3246	10.20097
Nitrogen Oxide	R12	3	9	21	83	10	142								6.2798										6.2798	10.12871
Nitrogen Oxide	R12	3	10	22	79	10	142								6.2564										6.2564	10.09097
Nitrogen Oxide	R12	3	11	22	78	10	142								6.2763										6.2763	10.12306
Nitrogen Oxide	R12	3	12	23	77	10	142								6.1951										6.1951	9.9921
Nitrogen Oxide	R12	3	13	23	77	10	142								6.1951										6.1951	9.9921
Nitrogen Oxide	R12	3	14	23	77	10	142								6.1951										6.1951	9.9921
Nitrogen Oxide	R12	3	15	23	76	10	142								6.2164										6.2164	10.02645
Nitrogen Oxide	R12	3	16	23	77	10	142								6.1951										6.1951	9.9921
Nitrogen Oxide	R12	3	17	22	79	10	142								6.2564										6.2564	10.09097
Nitrogen Oxide	R12	3	18	22	82	10	142								6.1968										6.1968	9.99484
Nitrogen Oxide	R12	3	19	21	84	10	142								6.2612										6.2612	10.09871
Nitrogen Oxide	R12	3	20	21	85	10	142								6.2425										6.2425	10.06855
Nitrogen Oxide	R12	3	21	21	86	10	142								6.2239										6.2239	10.03855
Nitrogen Oxide	R12	3	22	21	86	10	142								6.2239										6.2239	10.03855
Nitrogen Oxide	R12	3	23	21	85	10	142								6.2425										6.2425	10.06855
Nitrogen Oxide	R12	3	24	21	86	10	0								6.2239										0	0
Nitrogen Oxide	R12	4	1	20	83	10	0								6.377										0	0
Nitrogen Oxide	R12	4	2	20	85	10	0								6.3421										0	0
Nitrogen Oxide	R12	4	3	20	84	10	0								6.3596										0	0
Nitrogen Oxide	R12	4	4	20	85	10	0								6.3421										0	0
Nitrogen Oxide	R12	4	5	19	84	10	0								6.4525										0	0
Nitrogen Oxide	R12	4	6	19	84	10	0								6.4525										0	0
Nitrogen Oxide	R12	4	7	20	84	10	0								6.3596										0	0
Nitrogen Oxide	R12	4	8	21	79	10	142								6.3544										6.3544	10.24903
Nitrogen Oxide	R12	4	9	22	73	10	142								6.3756										6.3756	10.28323
Nitrogen Oxide	R12	4	10	23	69	10	142								6.3646										6.3646	10.26548
Nitrogen Oxide	R12	4	11	23	68	10	142								6.3858										6.3858	10.29968
Nitrogen Oxide	R12	4	12	24	66	10	142								6.3367										6.3367	10.22048
Nitrogen Oxide	R12	4	13	24	65	10	142								6.3593										6.3593	10.25694
Nitrogen Oxide	R12	4	14	24	66	10	142								6.3367										6.3367	10.22048
Nitrogen Oxide	R12	4	15	24	66	10	142								6.3367										6.3367	10.22048
Nitrogen Oxide	R12	4	16	24	67	10	142								6.3141										6.3141	10.18403
Nitrogen Oxide	R12	4	17	23	69	10	142								6.3646										6.3646	10.26548
Nitrogen Oxide	R12	4	18	22	74	10	142								6.3558										6.3558	10.25129
Nitrogen Oxide	R12	4	19	22	76	10	142								6.316										6.316	10.1871

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:
(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.
(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Oxide	R12	4	20	21	79	10	142	-	-	-	-	-	-	-	6.3544	-	-	-	-	-	-	-	-	-	6.3544	10.24903
Nitrogen Oxide	R12	4	21	21	80	10	142	-	-	-	-	-	-	-	6.3357	-	-	-	-	-	-	-	-	-	6.3357	10.21887
Nitrogen Oxide	R12	4	22	21	81	10	142	-	-	-	-	-	-	-	6.3171	-	-	-	-	-	-	-	-	-	6.3171	10.18887
Nitrogen Oxide	R12	4	23	21	82	10	142	-	-	-	-	-	-	-	6.2985	-	-	-	-	-	-	-	-	-	6.2985	10.15887
Nitrogen Oxide	R12	4	24	20	82	10	0	-	-	-	-	-	-	-	6.3945	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R12	5	1	26	91	10	0	-	-	-	-	-	-	-	5.4988	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R12	5	2	25	92	10	0	-	-	-	-	-	-	-	5.6151	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R12	5	3	25	92	10	0	-	-	-	-	-	-	-	5.6151	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R12	5	4	25	91	10	0	-	-	-	-	-	-	-	5.6392	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R12	5	5	25	92	10	0	-	-	-	-	-	-	-	5.6151	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R12	5	6	25	93	10	0	-	-	-	-	-	-	-	5.5911	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R12	5	7	26	91	10	0	-	-	-	-	-	-	-	5.4988	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R12	5	8	27	85	10	142	-	-	-	-	-	-	-	5.5142	-	-	-	-	-	-	-	-	-	5.5142	8.89387
Nitrogen Oxide	R12	5	9	28	80	10	142	-	-	-	-	-	-	-	5.5136	-	-	-	-	-	-	-	-	-	5.5136	8.8929
Nitrogen Oxide	R12	5	10	28	78	10	142	-	-	-	-	-	-	-	5.5714	-	-	-	-	-	-	-	-	-	5.5714	8.98613
Nitrogen Oxide	R12	5	11	29	77	10	142	-	-	-	-	-	-	-	5.462	-	-	-	-	-	-	-	-	-	5.462	8.80968
Nitrogen Oxide	R12	5	12	29	75	10	142	-	-	-	-	-	-	-	5.5234	-	-	-	-	-	-	-	-	-	5.5234	8.90871
Nitrogen Oxide	R12	5	13	29	74	10	142	-	-	-	-	-	-	-	5.5541	-	-	-	-	-	-	-	-	-	5.5541	8.95823
Nitrogen Oxide	R12	5	14	29	75	10	142	-	-	-	-	-	-	-	5.5234	-	-	-	-	-	-	-	-	-	5.5234	8.90871
Nitrogen Oxide	R12	5	15	29	75	10	142	-	-	-	-	-	-	-	5.5234	-	-	-	-	-	-	-	-	-	5.5234	8.90871
Nitrogen Oxide	R12	5	16	29	77	10	142	-	-	-	-	-	-	-	5.462	-	-	-	-	-	-	-	-	-	5.462	8.80968
Nitrogen Oxide	R12	5	17	28	78	10	142	-	-	-	-	-	-	-	5.5714	-	-	-	-	-	-	-	-	-	5.5714	8.98613
Nitrogen Oxide	R12	5	18	28	81	10	142	-	-	-	-	-	-	-	5.4847	-	-	-	-	-	-	-	-	-	5.4847	8.84629
Nitrogen Oxide	R12	5	19	27	84	10	142	-	-	-	-	-	-	-	5.5415	-	-	-	-	-	-	-	-	-	5.5415	8.9379
Nitrogen Oxide	R12	5	20	27	87	10	142	-	-	-	-	-	-	-	5.4598	-	-	-	-	-	-	-	-	-	5.4598	8.80613
Nitrogen Oxide	R12	5	21	27	88	10	142	-	-	-	-	-	-	-	5.4326	-	-	-	-	-	-	-	-	-	5.4326	8.76226
Nitrogen Oxide	R12	5	22	26	89	10	142	-	-	-	-	-	-	-	5.55	-	-	-	-	-	-	-	-	-	5.55	8.95161
Nitrogen Oxide	R12	5	23	26	89	10	142	-	-	-	-	-	-	-	5.55	-	-	-	-	-	-	-	-	-	5.55	8.95161
Nitrogen Oxide	R12	5	24	26	90	10	0	-	-	-	-	-	-	-	5.5244	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R12	6	1	28	88	10	0	-	-	-	-	-	-	-	5.2823	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R12	6	2	27	89	10	0	-	-	-	-	-	-	-	5.4054	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R12	6	3	27	89	10	0	-	-	-	-	-	-	-	5.4054	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R12	6	4	27	88	10	0	-	-	-	-	-	-	-	5.4326	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R12	6	5	27	89	10	0	-	-	-	-	-	-	-	5.4054	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R12	6	6	27	90	10	0	-	-	-	-	-	-	-	5.3782	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R12	6	7	28	87	10	0	-	-	-	-	-	-	-	5.3111	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R12	6	8	29	82	10	142	-	-	-	-	-	-	-	5.3084	-	-	-	-	-	-	-	-	-	5.3084	8.56194
Nitrogen Oxide	R12	6	9	29	79	10	142	-	-	-	-	-	-	-	5.4006	-	-	-	-	-	-	-	-	-	5.4006	8.71065
Nitrogen Oxide	R12	6	10	30	76	10	142	-	-	-	-	-	-	-	5.3494	-	-	-	-	-	-	-	-	-	5.3494	8.62806
Nitrogen Oxide	R12	6	11	30	75	10	142	-	-	-	-	-	-	-	5.3819	-	-	-	-	-	-	-	-	-	5.3819	8.68048
Nitrogen Oxide	R12	6	12	30	74	10	142	-	-	-	-	-	-	-	5.4146	-	-	-	-	-	-	-	-	-	5.4146	8.73323
Nitrogen Oxide	R12	6	13	31	73	10	142	-	-	-	-	-	-	-	5.3027	-	-	-	-	-	-	-	-	-	5.3027	8.55274
Nitrogen Oxide	R12	6	14	31	72	10	142	-	-	-	-	-	-	-	5.3373	-	-	-	-	-	-	-	-	-	5.3373	8.60855
Nitrogen Oxide	R12	6	15	30	74	10	142	-	-	-	-	-	-	-	5.4146	-	-	-	-	-	-	-	-	-	5.4146	8.73323
Nitrogen Oxide	R12	6	16	30	74	10	142	-	-	-	-	-	-	-	5.4146	-	-	-	-	-	-	-	-	-	5.4146	8.73323
Nitrogen Oxide	R12	6	17	30	75	10	142	-	-	-	-	-	-	-	5.3819	-	-	-	-	-	-	-	-	-	5.3819	8.68048
Nitrogen Oxide	R12	6	18	29	79	10	142	-	-	-	-	-	-	-	5.4006	-	-	-	-	-	-	-	-	-	5.4006	8.71065
Nitrogen Oxide	R12	6	19	29	81	10	142	-	-	-	-	-	-	-	5.3392	-	-	-	-	-	-	-	-	-	5.3392	8.61161
Nitrogen Oxide	R12	6	20	28	83	10	142	-	-	-	-	-	-	-	5.4268	-	-	-	-	-	-	-	-	-	5.4268	8.7529
Nitrogen Oxide	R12	6	21	28	85	10	142	-	-	-	-	-	-	-	5.369	-	-	-	-	-	-	-	-	-	5.369	8.65968
Nitrogen Oxide	R12	6	22	28	86	10	142	-	-	-	-	-	-	-	5.34	-	-	-	-	-	-	-	-	-	5.34	8.6129
Nitrogen Oxide	R12	6	23	28	87	10	142	-	-	-	-	-	-	-	5.3111	-	-	-	-	-	-	-	-	-	5.3111	8.56629
Nitrogen Oxide	R12	6	24	28	87	10	0	-	-	-	-	-	-	-	5.3111	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R12	7	1	28	84	10	0	-	-	-	-	-	-	-	5.3979	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R12	7	2	28	84	10	0	-	-	-	-	-	-	-	5.3979	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R12	7	3	28	86	10	0	-	-	-	-	-	-	-	5.34	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R12	7	4	28	86	10	0	-	-	-	-	-	-	-	5.34	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R12	7	5	28	88	10	0	-	-	-	-	-	-	-	5.2823	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R12	7	6	27	88	10	0	-	-	-	-	-	-	-	5.4326	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R12	7	7	28	86	10	0	-	-	-	-	-	-	-	5.34	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R12	7	8	29	81	10	142	-	-	-	-	-	-	-	5.3392	-	-	-	-	-	-	-	-	-	5.3392	8.61161
Nitrogen Oxide	R12	7	9	30	76	10	142	-	-	-	-	-	-	-	5.3494	-	-	-	-	-	-	-	-	-	5.3494	8.62806
Nitrogen Oxide	R12	7	10	31	70	10	142	-	-	-	-	-	-	-	5.4065	-	-	-	-	-	-	-	-	-	5.4065	8.72016
Nitrogen Oxide	R12	7	11	31	68	10	142	-	-	-	-	-	-	-	5.4757	-	-	-	-	-	-	-	-	-	5.4757	8.83177
Nitrogen Oxide	R12	7	12	32	67	10	142	-	-	-	-	-	-	-	5.3713	-	-	-	-	-	-	-	-	-	5.3713	8.66339
Nitrogen Oxide	R12	7	13	32	66	10	142	-	-	-	-	-	-	-	5.4079	-	-	-	-	-	-	-	-	-	5.4079	8.72242
Nitrogen Oxide	R12	7	14	32	66	10	142	-	-	-	-	-	-	-	5.4079	-	-	-	-	-	-	-	-	-	5.4079	8.72242
Nitrogen Oxide	R12	7	15	31	68	10	142	-	-	-	-	-	-	-	5.4757	-	-	-	-	-	-	-	-	-	5.4757	8.83177
Nitrogen Oxide	R12	7	16	31	69	10	142	-	-	-	-	-	-	-	5.441	-	-	-	-	-	-	-	-	-	5.441	8.77581
Nitrogen Oxide	R12	7	17	31	70	10	142	-	-	-	-	-	-	-	5.4065	-	-	-	-	-	-	-	-	-	5.4065	8.72016
Nitrogen Oxide	R12	7	18	30	73	10	142	-	-	-	-	-	-	-	5.4472	-	-	-	-	-	-	-	-	-	5.4472	8.78581
Nitrogen Oxide	R12	7	19	29	76	10	142	-	-	-	-	-	-	-	5.4927	-	-	-	-	-	-	-	-	-	5.4927	8.85919
Nitrogen Oxide	R12	7	20	29	79	10	142	-	-	-	-	-	-	-	5.4006	-	-	-	-	-	-	-	-	-	5.4006	8.71065
Nitrogen Oxide	R12	7	21	29	81	10	142	-	-	-	-	-	-	-	5.3392	-	-	-	-	-	-	-	-	-	5.3392	8.61161
Nitrogen Oxide	R12	7	22	29	82	10	142	-	-	-	-	-	-	-	5.3084	-	-	-	-	-	-	-	-	-	5.3084	8.56194
Nitrogen Oxide	R12	7	23	28	83	10	142	-	-	-	-	-	-	-	5.4268	-	-	-	-	-	-	-	-	-	5.4268	8.7529
Nitrogen Oxide	R12	7	24	28	84	10	0	-	-	-	-	-	-	-	5.3979	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R12	8	1	27	90	10	0	-	-	-	-	-	-	-	5.3782	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R12	8	2	26	90	10	0	-	-	-	-	-	-	-	5.5244	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R12	8	3	26	91	10	0	-	-	-	-	-	-	-	5.4988	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R12	8	4	26	92	10	0	-	-	-	-	-	-	-	5.4732	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R12	8	5	26	93	10	0	-	-	-	-	-	-	-	5.4477	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R12	8	6	26	94	10	0	-	-	-	-	-	-	-	5.422	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R12	8	7	26	93	10	0	-	-	-	-	-	-	-	5.4477	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R12	8	8	27	87	10	142	-	-	-	-	-	-	-	5.4598	-	-	-	-	-	-	-	-	-	5.4598	8.80613
Nitrogen Oxide	R12	8	9	29	81	10	142	-	-	-	-	-	-	-	5.3392	-	-	-	-	-	-	-	-	-	5.3392	8.61161
Nitrogen Oxide	R12	8	10	30	76	10	142	-	-	-	-	-	-	-	5.3494	-	-	-	-	-	-	-	-	-	5.3494	8.62806
Nitrogen Oxide	R12	8	11	30	73	10	142	-	-	-	-	-	-	-	5.4472	-	-	-	-	-	-	-	-	-	5.4472	8.78581
Nitrogen Oxide	R12	8	12	30	73	10	142	-	-	-	-	-	-	-	5.4472	-	-	-	-	-	-	-	-	-	5.4472	8.78581
Nitrogen Oxide	R12	8	13	30	74	10	142	-	-	-	-	-	-	-	5.4146	-	-	-	-	-	-	-	-	-	5.4146	8.73323
Nitrogen Oxide	R12	8	14	30	74	10	142	-	-	-	-	-	-	-	5.4146	-	-	-	-	-	-	-	-	-	5.4146	8.73323
Nitrogen Oxide	R12	8	15	30	75	10	142	-	-	-	-	-	-	-	5.3819	-	-	-	-	-	-	-	-	-	5.3819	8.68048
Nitrogen Oxide	R12	8	16	29	77	10	142	-	-	-	-	-	-	-	5.462	-	-	-	-	-	-	-	-	-	5.462	8.80968
Nitrogen Oxide	R12	8	17	29	79	10	142	-	-	-	-	-	-	-	5.4006	-	-	-	-	-	-	-	-	-	5.4006	8.71065
Nitrogen Oxide	R12	8	18	28	80	10	142	-	-	-	-	-	-	-	5.5136	-	-	-	-	-	-	-	-	-	5.5136	8.8929
Nitrogen Oxide	R12	8	19	28	82	10	142	-	-	-	-	-	-	-	5.4557	-	-	-	-	-	-	-	-	-	5.4557	8.79952
Nitrogen Oxide	R12	8	20	28	84	10	142	-	-	-	-	-	-	-	5.3979	-	-	-	-	-	-	-	-	-	5.3979	8.70629
Nitrogen Oxide	R12	8	21	27	85	10	142	-	-	-	-	-	-	-	5.5142	-	-	-	-	-	-	-	-	-	5.5142	8.89387
Nitrogen Oxide	R12	8	22	27	87	10	142	-	-	-	-	-	-	-	5.4598	-	-	-	-	-	-	-	-	-	5.4598	8.80613
Nitrogen Oxide	R12	8	23	27	88	10	142	-	-	-	-	-	-	-	5.4326	-	-	-	-	-	-	-	-	-	5.4326	8.76226
Nitrogen Oxide	R12	8	24	27	89	10	0	-	-	-	-	-	-	-	5.4054	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R12	9	1	27	89	10	0	-	-	-	-	-	-	-	5.4054	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R12	9	2	26	89	10	0	-	-	-	-	-	-	-	5.55	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R12	9	3	26	91	10	0	-	-	-	-	-	-	-	5.4988	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R12	9	4	26	92	10	0	-	-	-	-	-	-	-	5.4732	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R12	9	5	26	92	10	0	-	-	-	-	-	-	-	5.4732	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R12	9	6	26	93	10	0	-	-	-	-	-	-	-	5.4477	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R12	9	7	26	93	10	0	-	-	-	-	-	-	-	5.4477	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R12	9	8	27	88	10	142	-	-	-	-	-	-	-	5.4326	-	-	-	-	-	-	-	-	-	5.4326	8.76226
Nitrogen Oxide	R12	9	9	28	83	10	142	-	-	-	-	-	-	-	5.4268	-	-	-	-	-	-	-	-	-	5.4268	8.7529
Nitrogen Oxide	R12	9	10	29	78	10	142	-	-	-	-	-	-	-	5.4313	-	-	-	-	-	-	-	-	-	5.4313	8.76016
Nitrogen Oxide	R12	9	11	29	76	10	142	-	-	-	-	-	-	-	5.4927	-	-	-	-	-	-	-	-	-	5.4927	8.85919
Nitrogen Oxide	R12	9	12	29	76	10	142	-	-	-	-	-	-	-	5.4927	-	-	-	-	-	-	-	-	-	5.4927	8.85919
Nitrogen Oxide	R12	9	13	30	75	10	142	-	-	-	-	-	-	-	5.3819	-	-	-	-	-	-	-	-	-	5.3819	8.68048
Nitrogen Oxide	R12	9	14	29	75	10	142	-	-	-	-	-	-	-	5.5234	-	-	-	-	-	-	-	-	-	5.5234	8.90871
Nitrogen Oxide	R12	9	15	29	77	10	142	-	-	-	-	-	-	-	5.462	-	-	-	-	-	-	-	-	-	5.462	8.80968
Nitrogen Oxide	R12	9	16	29	76	10	142	-	-	-	-	-	-	-	5.4927	-	-	-	-	-	-	-	-	-	5.4927	8.85919
Nitrogen Oxide	R12	9	17	29	78	10	142	-	-	-	-	-	-	-	5.4313	-	-	-	-	-	-	-	-	-	5.4313	8.76016
Nitrogen Oxide	R12	9	18	28	81	10	142	-	-	-	-	-	-	-	5.4847	-	-	-	-	-	-	-	-	-	5.4847	8.84629
Nitrogen Oxide	R12	9	19	27	84	10	142	-	-	-	-	-	-	-	5.5415	-	-	-	-	-	-	-	-	-	5.5415	8.9379
Nitrogen Oxide	R12	9	20	27	86	10	142	-	-	-	-	-	-	-	5.487	-	-	-	-	-	-	-	-	-	5.487	8.85
Nitrogen Oxide	R12	9	21	27	87	10	142	-	-	-	-	-	-	-	5.4598	-	-	-	-	-	-	-	-	-	5.4598	8.80613
Nitrogen Oxide	R12	9	22	27	89	10	142	-	-	-	-	-	-	-	5.4054	-	-	-	-	-	-	-	-	-	5.4054	8.71839
Nitrogen Oxide	R12	9	23	27	89	10	142	-	-	-	-	-	-	-	5.4054	-	-	-	-	-	-	-	-	-	5.4054	8.71839
Nitrogen Oxide	R12	9	24	26	89	10	0	-	-	-	-	-	-	-	5.55	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R12	10	1	24	74	10	0	-	-	-	-	-	-	-	6.1561	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R12	10	2	23	74	10	0	-	-	-	-	-	-	-	6.2587	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R12	10	3	23	74	10	0	-	-	-	-	-	-	-	6.2587	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R12	10	4	23	75	10	0	-	-	-	-	-	-	-	6.2375	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R12	10	5	23	74	10	0	-	-	-	-	-	-	-	6.2587	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R12	10	6	23	75	10	0	-	-	-	-	-	-	-	6.2375	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R12	10	7	23	75	10	0	-	-	-	-	-	-	-	6.2375	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R12	10	8	23	72	10	142	-	-	-	-	-	-	-	6.301	-	-	-	-	-	-	-	-	-	6.301	10.1629
Nitrogen Oxide	R12	10	9	24	69	10	142	-	-	-	-	-	-	-	6.269	-	-	-	-	-	-	-	-	-	6.269	10.11129
Nitrogen Oxide	R12	10	10	25	64	10	142	-	-	-	-	-	-	-	6.2882	-	-	-	-	-	-	-	-	-	6.2882	10.14226
Nitrogen Oxide	R12	10	11	26	61	10	142	-	-	-	-	-	-	-	6.2663	-	-	-	-	-	-	-	-	-	6.2663	10.10694
Nitrogen Oxide	R12	10	12	27	60	10	142	-	-	-	-	-	-	-	6.1944	-	-	-	-	-	-	-	-	-	6.1944	9.99097
Nitrogen Oxide	R12	10	13	27	59	10	142	-	-	-	-	-	-	-	6.2216	-	-	-	-	-	-	-	-	-	6.2216	10.03484
Nitrogen Oxide	R12	10	14	27	59	10	142	-	-	-	-	-	-	-	6.2216	-	-	-	-	-	-	-	-	-	6.2216	10.03484
Nitrogen Oxide	R12	10	15	27	60	10	142	-	-	-	-	-	-	-	6.1944	-	-	-	-	-	-	-	-	-	6.1944	9.99097
Nitrogen Oxide	R12	10	16	27	62	10	142	-	-	-	-	-	-	-	6.14	-	-	-	-	-	-	-	-	-	6.14	9.90323
Nitrogen Oxide	R12	10	17	26	65	10	142	-	-	-	-	-	-	-	6.1639	-	-	-	-	-	-	-	-	-	6.1639	9.94177
Nitrogen Oxide	R12	10	18	25	67	10	142	-	-	-	-	-	-	-	6.2161	-	-	-	-	-	-	-	-	-	6.2161	10.02597
Nitrogen Oxide	R12	10	19	25	69	10	142	-	-	-	-	-	-	-	6.168	-	-	-	-	-	-	-	-	-	6.168	9.94839
Nitrogen Oxide	R12	10	20	25	71	10	142	-	-	-	-	-	-	-	6.1199	-	-	-	-	-	-	-	-	-	6.1199	9.87081
Nitrogen Oxide	R12	10	21	24	71	10	142	-	-	-	-	-	-	-	6.2238	-	-	-	-	-	-	-	-	-	6.2238	10.03839
Nitrogen Oxide	R12	10	22	24	71	10	142	-	-	-	-	-	-	-	6.2238	-	-	-	-	-	-	-	-	-	6.2238	10.03839
Nitrogen Oxide	R12	10	23	24	72	10	142	-	-	-	-	-	-	-	6.2013	-	-	-	-	-	-	-	-	-	6.2013	10.0021
Nitrogen Oxide	R12	10	24	24	72	10	0	-	-	-	-	-	-	-	6.2013	-	-	-	-	-	-	-	-	-	0	0

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:
(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.
(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Oxide	R12	11	1	21	75	10	0								6.4289										0	0
Nitrogen Oxide	R12	11	2	21	74	10	0								6.4476										0	0
Nitrogen Oxide	R12	11	3	21	74	10	0								6.4476										0	0
Nitrogen Oxide	R12	11	4	21	74	10	0								6.4476										0	0
Nitrogen Oxide	R12	11	5	21	74	10	0								6.4476										0	0
Nitrogen Oxide	R12	11	6	21	73	10	0								6.4662										0	0
Nitrogen Oxide	R12	11	7	21	73	10	0								6.4662										0	0
Nitrogen Oxide	R12	11	8	21	70	10	142								6.5221										6.5221	10.51952
Nitrogen Oxide	R12	11	9	22	66	10	142								6.5148										6.5148	10.50774
Nitrogen Oxide	R12	11	10	23	61	10	142								6.5342										6.5342	10.53903
Nitrogen Oxide	R12	11	11	25	57	10	142								6.4565										6.4565	10.41371
Nitrogen Oxide	R12	11	12	25	56	10	142								6.4806										6.4806	10.45258
Nitrogen Oxide	R12	11	13	25	56	10	142								6.4806										6.4806	10.45258
Nitrogen Oxide	R12	11	14	26	56	10	142								6.3942										6.3942	10.31323
Nitrogen Oxide	R12	11	15	26	57	10	142								6.3686										6.3686	10.27194
Nitrogen Oxide	R12	11	16	25	58	10	142								6.4325										6.4325	10.375
Nitrogen Oxide	R12	11	17	24	63	10	142								6.4045										6.4045	10.32984
Nitrogen Oxide	R12	11	18	23	66	10	142								6.4282										6.4282	10.36806
Nitrogen Oxide	R12	11	19	23	70	10	142								6.3435										6.3435	10.23145
Nitrogen Oxide	R12	11	20	22	70	10	142								6.4353										6.4353	10.37952
Nitrogen Oxide	R12	11	21	22	72	10	142								6.3955										6.3955	10.31332
Nitrogen Oxide	R12	11	22	22	74	10	142								6.3558										6.3558	10.25129
Nitrogen Oxide	R12	11	23	22	74	10	142								6.3558										6.3558	10.25129
Nitrogen Oxide	R12	11	24	21	74	10	0								6.4476										0	0
Nitrogen Oxide	R12	12	1	16	68	10	0								6.9143										0	0
Nitrogen Oxide	R12	12	2	16	69	10	0								6.9009										0	0
Nitrogen Oxide	R12	12	3	16	69	10	0								6.9009										0	0
Nitrogen Oxide	R12	12	4	15	70	10	0								6.9481										0	0
Nitrogen Oxide	R12	12	5	15	70	10	0								6.9481										0	0
Nitrogen Oxide	R12	12	6	15	70	10	0								6.9481										0	0
Nitrogen Oxide	R12	12	7	15	70	10	0								6.9481										0	0
Nitrogen Oxide	R12	12	8	15	69	10	142								6.9607										6.9607	11.20694
Nitrogen Oxide	R12	12	9	16	65	10	142								6.9546										6.9546	11.2171
Nitrogen Oxide	R12	12	10	17	62	10	142								6.9377										6.9377	11.18984
Nitrogen Oxide	R12	12	11	18	58	10	142								6.9382										6.9382	11.19065
Nitrogen Oxide	R12	12	12	19	57	10	142								6.8942										6.8942	11.11968
Nitrogen Oxide	R12	12	13	19	56	10	142								6.9105										6.9105	11.14597
Nitrogen Oxide	R12	12	14	19	56	10	142								6.9105										6.9105	11.14597
Nitrogen Oxide	R12	12	15	19	56	10	142								6.9105										6.9105	11.14597
Nitrogen Oxide	R12	12	16	19	57	10	142								6.8942										6.8942	11.11968
Nitrogen Oxide	R12	12	17	18	60	10	142								6.9076										6.9076	11.14129
Nitrogen Oxide	R12	12	18	18	64	10	142								6.8463										6.8463	11.04242
Nitrogen Oxide	R12	12	19	17	65	10	142								6.8947										6.8947	11.12048
Nitrogen Oxide	R12	12	20	17	66	10	142								6.8803										6.8803	11.09726
Nitrogen Oxide	R12	12	21	17	66	10	142								6.8803										6.8803	11.09726
Nitrogen Oxide	R12	12	22	16	66	10	142								6.9412										6.9412	11.19548
Nitrogen Oxide	R12	12	23	16	66	10	142								6.9412										6.9412	11.19548
Nitrogen Oxide	R12	12	24	16	67	10	0								6.9278										0	0
Nitrogen Oxide	R13	1	1	17	76	10	0								6.7317										0	0
Nitrogen Oxide	R13	1	2	17	77	10	0								6.7226										0	0
Nitrogen Oxide	R13	1	3	17	77	10	0								6.7226										0	0
Nitrogen Oxide	R13	1	4	17	77	10	0								6.7226										0	0
Nitrogen Oxide	R13	1	5	17	78	10	0								6.7083										0	0
Nitrogen Oxide	R13	1	6	17	77	10	0								6.7226										0	0
Nitrogen Oxide	R13	1	7	16	77	10	0								6.7935										0	0
Nitrogen Oxide	R13	1	8	17	77	10	150								6.7226										6.7226	10.8429
Nitrogen Oxide	R13	1	9	17	73	10	150								6.7799										6.7799	10.93532
Nitrogen Oxide	R13	1	10	19	69	10	150								6.6978										6.6978	10.8029
Nitrogen Oxide	R13	1	11	20	64	10	150								6.7089										6.7089	10.82081
Nitrogen Oxide	R13	1	12	21	62	10	150								6.6712										6.6712	10.76
Nitrogen Oxide	R13	1	13	21	61	10	150								6.6898										6.6898	10.79
Nitrogen Oxide	R13	1	14	21	62	10	150								6.6712										6.6712	10.76
Nitrogen Oxide	R13	1	15	21	62	10	150								6.6712										6.6712	10.76
Nitrogen Oxide	R13	1	16	21	63	10	150								6.6526										6.6526	10.73
Nitrogen Oxide	R13	1	17	20	67	10	150								6.6565										6.6565	10.73629
Nitrogen Oxide	R13	1	18	19	72	10	150								6.6488										6.6488	10.72387
Nitrogen Oxide	R13	1	19	18	74	10	150								6.693										6.693	10.79516
Nitrogen Oxide	R13	1	20	18	74	10	150								6.693										6.693	10.79516
Nitrogen Oxide	R13	1	21	18	75	10	150								6.6778										6.6778	10.77065
Nitrogen Oxide	R13	1	22	18	76	10	150								6.6625										6.6625	10.74597
Nitrogen Oxide	R13	1	23	18	75	10	150								6.6778										6.6778	10.77065
Nitrogen Oxide	R13	1	24	17	76	10	0								6.7317										0	0
Nitrogen Oxide	R13	2	1	17	78	10	0								6.7083										0	0
Nitrogen Oxide	R13	2	2	17	80	10	0								6.6795										0	0
Nitrogen Oxide	R13	2	3	17	81	10	0								6.6652										0	0
Nitrogen Oxide	R13	2	4	17	82	10	0								6.6509										0	0
Nitrogen Oxide	R13	2	5	16	83	10	0								6.7131										0	0
Nitrogen Oxide	R13	2	6	16	83	10	0								6.7131										0	0
Nitrogen Oxide	R13	2	7	16	83	10	0								6.7131										0	0
Nitrogen Oxide	R13	2	8	17	81	10	150								6.6652										6.6652	10.75032
Nitrogen Oxide	R13	2	9	18	77	10	150								6.6471										6.6471	10.72113
Nitrogen Oxide	R13	2	10	19	73	10	150								6.6324										6.6324	10.69742
Nitrogen Oxide	R13	2	11	20	70	10	150								6.6041										6.6041	10.65177
Nitrogen Oxide	R13	2	12	20	68	10	150								6.6391										6.6391	10.70823
Nitrogen Oxide	R13	2	13	21	65	10	150								6.6153										6.6153	10.66984
Nitrogen Oxide	R13	2	14	21	65	10	150								6.6153										6.6153	10.66984
Nitrogen Oxide	R13	2	15	21	66	10	150								6.5966										6.5966	10.63968
Nitrogen Oxide	R13	2	16	20	68	10	150								6.6391										6.6391	10.70823
Nitrogen Oxide	R13	2	17	20	70	10	150								6.6041										6.6041	10.65177
Nitrogen Oxide	R13	2	18	19	74	10	150								6.6161										6.6161	10.67113
Nitrogen Oxide	R13	2	19	18	76	10	150								6.6625										6.6625	10.74597
Nitrogen Oxide	R13	2	20	18	78	10	150								6.6318										6.6318	10.69645
Nitrogen Oxide	R13	2	21	18	78	10	150								6.6318										6.6318	10.69645
Nitrogen Oxide	R13	2	22	18	78	10	150								6.6318										6.6318	10.69645
Nitrogen Oxide	R13	2	23	18	78	10	150								6.6318										6.6318	10.69645
Nitrogen Oxide	R13	2	24	18	78	10	0								6.6318										0	0
Nitrogen Oxide	R13	3	1	21	86	10	0								6.2239										0	0
Nitrogen Oxide	R13	3	2	20	87	10	0								6.3072										0	0
Nitrogen Oxide	R13	3	3	20	87	10	0								6.3072										0	0
Nitrogen Oxide	R13	3	4	20	87	10	0								6.3072										0	0
Nitrogen Oxide	R13	3	5	20	87	10	0								6.3072										0	0
Nitrogen Oxide	R13	3	6	20	87	10	0								6.3072										0	0
Nitrogen Oxide	R13	3	7	20	87	10	0								6.3072										0	0
Nitrogen Oxide	R13	3	8	20	86	10	150								6.3246										6.3246	10.20097
Nitrogen Oxide	R13	3	9	21	83	10	150								6.2798										6.2798	10.12871
Nitrogen Oxide	R13	3	10	22	79	10	150								6.2564										6.2564	10.09097
Nitrogen Oxide	R13	3	11	22	78	10	150								6.2763										6.2763	10.12306
Nitrogen Oxide	R13	3	12	23	77	10	150								6.1951										6.1951	9.9921
Nitrogen Oxide	R13	3	13	23	77	10	150								6.1951										6.1951	9.9921
Nitrogen Oxide	R13	3	14	23	77	10	150								6.1951										6.1951	9.9921
Nitrogen Oxide	R13	3	15	23	76	10	150								6.2164										6.2164	10.02645
Nitrogen Oxide	R13	3	16	23	77	10	150								6.1951										6.1951	9.9921
Nitrogen Oxide	R13	3	17	22	79	10	150								6.2564										6.2564	10.09097
Nitrogen Oxide	R13	3	18	22	82	10	150								6.1968										6.1968	9.99484
Nitrogen Oxide	R13	3	19	21	84	10	150								6.2612										6.2612	10.09871
Nitrogen Oxide	R13	3	20	21	85	10	150								6.2425										6.2425	10.06855
Nitrogen Oxide	R13	3	21	21	86	10	150								6.2239										6.2239	10.03855
Nitrogen Oxide	R13	3	22	21	86	10	150								6.2239										6.2239	10.03855
Nitrogen Oxide	R13	3	23	21	85	10	150								6.2425										6.2425	10.06855
Nitrogen Oxide	R13	3	24	21	86	10	0								6.2239										0	0
Nitrogen Oxide	R13	4	1	20	83	10	0								6.377										0	0
Nitrogen Oxide	R13	4	2	20	85	10	0								6.3421										0	0
Nitrogen Oxide	R13	4	3	20	84	10	0								6.3596										0	0
Nitrogen Oxide	R13	4	4	20	85	10	0								6.3421										0	0
Nitrogen Oxide	R13	4	5	19	84	10	0								6.4525										0	0
Nitrogen Oxide	R13	4	6	19	84	10	0								6.4525										0	0
Nitrogen Oxide	R13	4	7	20	84	10	0								6.3596										0	0
Nitrogen Oxide	R13	4	8	21	79	10	150								6.3544										6.3544	10.24903
Nitrogen Oxide	R13	4	9	22	73	10	150								6.3756										6.3756	10.28323
Nitrogen Oxide	R13	4	10	23	69	10	150								6.3646										6.3646	10.26548
Nitrogen Oxide	R13	4	11	23	68	10	150								6.3858										6.3858	10.29968
Nitrogen Oxide	R13	4	12	24	66	10	150								6.3367										6.3367	10.22048
Nitrogen Oxide	R13	4	13	24	65	10	150								6.3593										6.3593	10.25694
Nitrogen Oxide	R13	4	14	24	66	10	150								6.3367										6.3367	10.22048
Nitrogen Oxide	R13	4	15	24	66	10	150								6.3367										6.3367	10.22048
Nitrogen Oxide	R13	4	16	24	67	10	150								6.3141										6.3141	10.18403
Nitrogen Oxide	R13	4	17	23	69	10	150								6.3646										6.3646	10.26548
Nitrogen Oxide	R13	4	18	22	74	10	150								6.3558										6.3558	10.25129
Nitrogen Oxide	R13	4	19	22	76	10	150								6.316										6.316	10.1871
Nitrogen Oxide	R13	4	20	21	79	10	150								6.3544										6.3544	10.24903
Nitrogen Oxide	R13	4	21	21	80	10	150								6.3357										6.3357	10.21887
Nitrogen Oxide	R13	4	22	21	81	10	150								6.3171										6.3171	10.18887
Nitrogen Oxide	R13	4	23	21	82	10	150								6.2985										6.2985	10.15887
Nitrogen Oxide	R13	4	24	20	82	10	0								6.3943										0	0
Nitrogen Oxide	R13	5	1	26	91	10	0								5.4998										0	0
Nitrogen Oxide	R13	5	2	25	92	10	0								5.6151										0	0
Nitrogen Oxide	R13	5	3	25	92	10	0								5.6151										0	0
Nitrogen Oxide	R13	5	4	25	91	10	0								5.6392										0	0
Nitrogen Oxide	R13	5	5	25	92	10	0								5.6151										0	0

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:
(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.
(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Oxide	R13	5	6	25	93	10	0								5.5911										0	0
Nitrogen Oxide	R13	5	7	26	91	10	0								5.4988										0	0
Nitrogen Oxide	R13	5	8	27	85	10	150								5.5142										5.5142	8.89387
Nitrogen Oxide	R13	5	9	28	80	10	150								5.5136										5.5136	8.8929
Nitrogen Oxide	R13	5	10	28	78	10	150								5.5714										5.5714	8.98613
Nitrogen Oxide	R13	5	11	29	77	10	150								5.462										5.462	8.80968
Nitrogen Oxide	R13	5	12	29	75	10	150								5.5234										5.5234	8.90871
Nitrogen Oxide	R13	5	13	29	74	10	150								5.5541										5.5541	8.95823
Nitrogen Oxide	R13	5	14	29	75	10	150								5.5234										5.5234	8.90871
Nitrogen Oxide	R13	5	15	29	75	10	150								5.5234										5.5234	8.90871
Nitrogen Oxide	R13	5	16	29	77	10	150								5.462										5.462	8.80968
Nitrogen Oxide	R13	5	17	28	78	10	150								5.5714										5.5714	8.98613
Nitrogen Oxide	R13	5	18	28	81	10	150								5.4847										5.4847	8.84629
Nitrogen Oxide	R13	5	19	27	84	10	150								5.5415										5.5415	8.9379
Nitrogen Oxide	R13	5	20	27	87	10	150								5.4598										5.4598	8.80613
Nitrogen Oxide	R13	5	21	27	88	10	150								5.4326										5.4326	8.76226
Nitrogen Oxide	R13	5	22	26	89	10	150								5.55										5.55	8.95161
Nitrogen Oxide	R13	5	23	26	89	10	150								5.55										5.55	8.95161
Nitrogen Oxide	R13	5	24	26	90	10	0								5.5244										0	0
Nitrogen Oxide	R13	6	1	28	88	10	0								5.2823										0	0
Nitrogen Oxide	R13	6	2	27	89	10	0								5.4054										0	0
Nitrogen Oxide	R13	6	3	27	89	10	0								5.4054										0	0
Nitrogen Oxide	R13	6	4	27	88	10	0								5.4326										0	0
Nitrogen Oxide	R13	6	5	27	89	10	0								5.4054										0	0
Nitrogen Oxide	R13	6	6	27	90	10	0								5.3782										0	0
Nitrogen Oxide	R13	6	7	28	87	10	0								5.3111										0	0
Nitrogen Oxide	R13	6	8	29	82	10	150								5.3084										5.3084	8.56194
Nitrogen Oxide	R13	6	9	29	79	10	150								5.4006										5.4006	8.71065
Nitrogen Oxide	R13	6	10	30	76	10	150								5.3494										5.3494	8.62806
Nitrogen Oxide	R13	6	11	30	75	10	150								5.3819										5.3819	8.68048
Nitrogen Oxide	R13	6	12	30	74	10	150								5.4146										5.4146	8.73323
Nitrogen Oxide	R13	6	13	31	73	10	150								5.3027										5.3027	8.55274
Nitrogen Oxide	R13	6	14	31	72	10	150								5.3373										5.3373	8.60855
Nitrogen Oxide	R13	6	15	30	74	10	150								5.4146										5.4146	8.73323
Nitrogen Oxide	R13	6	16	30	74	10	150								5.4146										5.4146	8.73323
Nitrogen Oxide	R13	6	17	30	75	10	150								5.3819										5.3819	8.68048
Nitrogen Oxide	R13	6	18	29	79	10	150								5.4006										5.4006	8.71065
Nitrogen Oxide	R13	6	19	29	81	10	150								5.3392										5.3392	8.61161
Nitrogen Oxide	R13	6	20	28	83	10	150								5.4268										5.4268	8.7529
Nitrogen Oxide	R13	6	21	28	85	10	150								5.369										5.369	8.65968
Nitrogen Oxide	R13	6	22	28	86	10	150								5.34										5.34	8.6129
Nitrogen Oxide	R13	6	23	28	87	10	150								5.3111										5.3111	8.56629
Nitrogen Oxide	R13	6	24	28	87	10	0								5.3111										0	0
Nitrogen Oxide	R13	7	1	28	84	10	0								5.3979										0	0
Nitrogen Oxide	R13	7	2	28	84	10	0								5.3979										0	0
Nitrogen Oxide	R13	7	3	28	86	10	0								5.34										0	0
Nitrogen Oxide	R13	7	4	28	86	10	0								5.34										0	0
Nitrogen Oxide	R13	7	5	28	88	10	0								5.2823										0	0
Nitrogen Oxide	R13	7	6	27	88	10	0								5.4326										0	0
Nitrogen Oxide	R13	7	7	28	86	10	0								5.34										0	0
Nitrogen Oxide	R13	7	8	29	81	10	150								5.3392										5.3392	8.61161
Nitrogen Oxide	R13	7	9	30	76	10	150								5.3494										5.3494	8.62806
Nitrogen Oxide	R13	7	10	31	70	10	150								5.4065										5.4065	8.72016
Nitrogen Oxide	R13	7	11	31	68	10	150								5.4757										5.4757	8.83177
Nitrogen Oxide	R13	7	12	32	67	10	150								5.3713										5.3713	8.66339
Nitrogen Oxide	R13	7	13	32	66	10	150								5.4079										5.4079	8.72242
Nitrogen Oxide	R13	7	14	32	66	10	150								5.4079										5.4079	8.72242
Nitrogen Oxide	R13	7	15	31	68	10	150								5.4757										5.4757	8.83177
Nitrogen Oxide	R13	7	16	31	69	10	150								5.441										5.441	8.77581
Nitrogen Oxide	R13	7	17	31	70	10	150								5.4065										5.4065	8.72016
Nitrogen Oxide	R13	7	18	30	73	10	150								5.4472										5.4472	8.78581
Nitrogen Oxide	R13	7	19	29	76	10	150								5.4927										5.4927	8.85919
Nitrogen Oxide	R13	7	20	29	79	10	150								5.4006										5.4006	8.71065
Nitrogen Oxide	R13	7	21	29	81	10	150								5.3392										5.3392	8.61161
Nitrogen Oxide	R13	7	22	29	82	10	150								5.3084										5.3084	8.56194
Nitrogen Oxide	R13	7	23	28	83	10	150								5.4268										5.4268	8.7529
Nitrogen Oxide	R13	7	24	28	84	10	0								5.3979										0	0
Nitrogen Oxide	R13	8	1	27	90	10	0								5.3782										0	0
Nitrogen Oxide	R13	8	2	26	90	10	0								5.5244										0	0
Nitrogen Oxide	R13	8	3	26	91	10	0								5.4988										0	0
Nitrogen Oxide	R13	8	4	26	92	10	0								5.4732										0	0
Nitrogen Oxide	R13	8	5	26	93	10	0								5.4477										0	0
Nitrogen Oxide	R13	8	6	26	94	10	0								5.422										0	0
Nitrogen Oxide	R13	8	7	26	93	10	0								5.4477										0	0
Nitrogen Oxide	R13	8	8	27	87	10	150								5.4598										5.4598	8.80613
Nitrogen Oxide	R13	8	9	29	81	10	150								5.3392										5.3392	8.61161
Nitrogen Oxide	R13	8	10	30	76	10	150								5.3494										5.3494	8.62806
Nitrogen Oxide	R13	8	11	30	73	10	150								5.4472										5.4472	8.78581
Nitrogen Oxide	R13	8	12	30	73	10	150								5.4472										5.4472	8.78581
Nitrogen Oxide	R13	8	13	30	74	10	150								5.4146										5.4146	8.73323
Nitrogen Oxide	R13	8	14	30	74	10	150								5.4146										5.4146	8.73323
Nitrogen Oxide	R13	8	15	30	75	10	150								5.3819										5.3819	8.68048
Nitrogen Oxide	R13	8	16	29	77	10	150								5.462										5.462	8.80968
Nitrogen Oxide	R13	8	17	29	79	10	150								5.4006										5.4006	8.71065
Nitrogen Oxide	R13	8	18	28	80	10	150								5.5136										5.5136	8.8929
Nitrogen Oxide	R13	8	19	28	82	10	150								5.4557										5.4557	8.79952
Nitrogen Oxide	R13	8	20	28	84	10	150								5.3979										5.3979	8.70629
Nitrogen Oxide	R13	8	21	27	85	10	150								5.5142										5.5142	8.89387
Nitrogen Oxide	R13	8	22	27	87	10	150								5.4598										5.4598	8.80613
Nitrogen Oxide	R13	8	23	27	88	10	150								5.4326										5.4326	8.76226
Nitrogen Oxide	R13	8	24	27	89	10	0								5.4054										0	0
Nitrogen Oxide	R13	9	1	27	89	10	0								5.4054										0	0
Nitrogen Oxide	R13	9	2	26	89	10	0								5.55										0	0
Nitrogen Oxide	R13	9	3	26	91	10	0								5.4988										0	0
Nitrogen Oxide	R13	9	4	26	92	10	0								5.4732										0	0
Nitrogen Oxide	R13	9	5	26	92	10	0								5.4732										0	0
Nitrogen Oxide	R13	9	6	26	93	10	0								5.4477										0	0
Nitrogen Oxide	R13	9	7	26	93	10	0								5.4477										0	0
Nitrogen Oxide	R13	9	8	27	88	10	150								5.4326										5.4326	8.76226
Nitrogen Oxide	R13	9	9	28	83	10	150								5.4268										5.4268	8.7529
Nitrogen Oxide	R13	9	10	29	78	10	150								5.4313										5.4313	8.76016
Nitrogen Oxide	R13	9	11	29	76	10	150								5.4927										5.4927	8.85919
Nitrogen Oxide	R13	9	12	29	76	10	150								5.4927										5.4927	8.85919
Nitrogen Oxide	R13	9	13	30	75	10	150								5.3819										5.3819	8.68048
Nitrogen Oxide	R13	9	14	29	75	10	150								5.5234										5.5234	8.90871
Nitrogen Oxide	R13	9	15	29	77	10	150								5.462										5.462	8.80968
Nitrogen Oxide	R13	9	16	29	76	10	150								5.4927										5.4927	8.85919
Nitrogen Oxide	R13	9	17	29	78	10	150								5.4313										5.4313	8.76016
Nitrogen Oxide	R13	9	18	28	81	10	150								5.4847										5.4847	8.84629
Nitrogen Oxide	R13	9	19	27	84	10	150								5.5415										5.5415	8.9379
Nitrogen Oxide	R13	9	20	27	86	10	150								5.487										5.487	8.85
Nitrogen Oxide	R13	9	21	27	87	10	150								5.4598										5.4598	8.80613
Nitrogen Oxide	R13	9	22	27	89	10	150								5.4054										5.4054	8.71839
Nitrogen Oxide	R13	9	23	27	89	10	150								5.4054										5.4054	8.71839
Nitrogen Oxide	R13	9	24	26	89	10	0								5.55										0	0
Nitrogen Oxide	R13	10	1	24	74	10	0								6.1561										0	0
Nitrogen Oxide	R13	10	2	23	74	10	0								6.2587										0	0
Nitrogen Oxide	R13	10	3	23	74	10	0								6.2587										0	0
Nitrogen Oxide	R13	10	4	23	75	10	0								6.2375										0	0
Nitrogen Oxide	R13	10	5	23	74	10	0								6.2587										0	0
Nitrogen Oxide	R13	10	6	23	75	10	0								6.2375										0	0
Nitrogen Oxide	R13	10	7	23	75	10	0								6.2375										0	0
Nitrogen Oxide	R13	10	8	23	72	10	150								6.301										6.301	10.1629
Nitrogen Oxide	R13	10	9	24	69	10	150								6.269										6.269	10.11129
Nitrogen Oxide	R13	10	10	25	64	10	150								6.2882										6.2882	10.14226
Nitrogen Oxide	R13	10	11	26	61	10	150								6.2663										6.2663	10.10694
Nitrogen Oxide	R13	10	12	27	60	10	150								6.1944										6.1944	9.99097
Nitrogen Oxide	R13	10	13	27	59	10	150								6.2216										6.2216	10.03484
Nitrogen Oxide	R13	10	14	27	59	10	150								6.2216										6.2216	10.03484
Nitrogen Oxide	R13	10	15	27	60	10	150								6.1944										6.1944	9.99097
Nitrogen Oxide	R13	10	16	27	62	10	150								6.14										6.14	9.90323
Nitrogen Oxide	R13	10	17	26	65	10	150								6.1639										6.1639	9.94177
Nitrogen Oxide	R13	10	18	25	67	10	150								6.2161										6.2161	10.02597
Nitrogen Oxide	R13	10	19	25	69	10	150								6.168										6.168	9.94839
Nitrogen Oxide	R13	10	20	25	71	10	150								6.1199										6.1199	9.87081
Nitrogen Oxide	R13	10	21	24	71	10	150								6.2238										6.2238	10.03839
Nitrogen Oxide	R13	10	22	24	71	10	150								6.2238										6.2238	10.03839
Nitrogen Oxide	R13	10	23	24	72	10	150								6.2013										6.2013	10.0021
Nitrogen Oxide	R13	10	24	24	72	10	0								6.2013										0	0
Nitrogen Oxide	R13	11	1	21	75	10	0								6.4289										0	0
Nitrogen Oxide	R13	11	2	21	74	10	0								6.4476										0	0
Nitrogen Oxide	R13	11	3	21	74	10	0								6.4476										0	0
Nitrogen Oxide	R13	11	4	21	74	10	0								6.4476										0	0
Nitrogen Oxide	R13	11	5	21	74	10	0								6.4476										0	0
Nitrogen Oxide	R13	11	6	21	73	10	0								6.4662										0	0
Nitrogen Oxide	R13	11	7	21	73	10	0								6.4662										0	0
Nitrogen Oxide	R13	11	8	21	70	10	150								6.5221										6.5221	10.51952
Nitrogen Oxide	R13	11	9	22	66	10	150								6.5148										6.5148	10.50774
Nitrogen Oxide	R13	11	10	23	61	10	150								6.5342										6.5342	10.53903

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:
(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.
(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Oxide	R13	11	11	25	57	10	150								6.4565										6.4565	10.41371
Nitrogen Oxide	R13	11	12	25	56	10	150								6.4806										6.4806	10.45258
Nitrogen Oxide	R13	11	13	25	56	10	150								6.4806										6.4806	10.45258
Nitrogen Oxide	R13	11	14	26	56	10	150								6.3942										6.3942	10.31323
Nitrogen Oxide	R13	11	15	26	57	10	150								6.3686										6.3686	10.27194
Nitrogen Oxide	R13	11	16	25	58	10	150								6.4325										6.4325	10.375
Nitrogen Oxide	R13	11	17	24	63	10	150								6.4045										6.4045	10.32984
Nitrogen Oxide	R13	11	18	23	66	10	150								6.4282										6.4282	10.36806
Nitrogen Oxide	R13	11	19	23	70	10	150								6.3435										6.3435	10.23145
Nitrogen Oxide	R13	11	20	22	70	10	150								6.4353										6.4353	10.37952
Nitrogen Oxide	R13	11	21	22	72	10	150								6.3955										6.3955	10.31532
Nitrogen Oxide	R13	11	22	22	74	10	150								6.3558										6.3558	10.25129
Nitrogen Oxide	R13	11	23	22	74	10	150								6.3558										6.3558	10.25129
Nitrogen Oxide	R13	11	24	21	74	10	0								6.4476										0	0
Nitrogen Oxide	R13	12	1	16	68	10	0								6.9143										0	0
Nitrogen Oxide	R13	12	2	16	69	10	0								6.9009										0	0
Nitrogen Oxide	R13	12	3	16	69	10	0								6.9009										0	0
Nitrogen Oxide	R13	12	4	15	70	10	0								6.9481										0	0
Nitrogen Oxide	R13	12	5	15	70	10	0								6.9481										0	0
Nitrogen Oxide	R13	12	6	15	70	10	0								6.9481										0	0
Nitrogen Oxide	R13	12	7	15	70	10	0								6.9481										0	0
Nitrogen Oxide	R13	12	8	15	69	10	150								6.9607										6.9607	11.22694
Nitrogen Oxide	R13	12	9	16	65	10	150								6.9546										6.9546	11.2171
Nitrogen Oxide	R13	12	10	17	62	10	150								6.9377										6.9377	11.18984
Nitrogen Oxide	R13	12	11	18	58	10	150								6.9382										6.9382	11.19065
Nitrogen Oxide	R13	12	12	19	57	10	150								6.8942										6.8942	11.11968
Nitrogen Oxide	R13	12	13	19	56	10	150								6.9105										6.9105	11.14597
Nitrogen Oxide	R13	12	14	19	56	10	150								6.9105										6.9105	11.14597
Nitrogen Oxide	R13	12	15	19	56	10	150								6.9105										6.9105	11.14597
Nitrogen Oxide	R13	12	16	19	57	10	150								6.8942										6.8942	11.11968
Nitrogen Oxide	R13	12	17	18	60	10	150								6.9076										6.9076	11.14129
Nitrogen Oxide	R13	12	18	18	64	10	150								6.8463										6.8463	11.04242
Nitrogen Oxide	R13	12	19	17	65	10	150								6.8947										6.8947	11.12048
Nitrogen Oxide	R13	12	20	17	66	10	150								6.8803										6.8803	11.09726
Nitrogen Oxide	R13	12	21	17	66	10	150								6.8803										6.8803	11.09726
Nitrogen Oxide	R13	12	22	16	66	10	150								6.9412										6.9412	11.19548
Nitrogen Oxide	R13	12	23	16	66	10	150								6.9412										6.9412	11.19548
Nitrogen Oxide	R13	12	24	16	67	10	0								6.9278										0	0
Nitrogen Oxide	R14	1	1	17	76	10	66								6.737										6.737	10.86613
Nitrogen Oxide	R14	1	2	17	77	10	66								6.7226										6.7226	10.8429
Nitrogen Oxide	R14	1	3	17	77	10	66								6.7226										6.7226	10.8429
Nitrogen Oxide	R14	1	4	17	77	10	66								6.7226										6.7226	10.8429
Nitrogen Oxide	R14	1	5	17	78	10	66								6.7083										6.7083	10.81984
Nitrogen Oxide	R14	1	6	17	77	10	66								6.7226										6.7226	10.8429
Nitrogen Oxide	R14	1	7	16	77	10	66								6.7935										6.7935	10.95726
Nitrogen Oxide	R14	1	8	17	77	10	74								6.7226										6.7226	10.8429
Nitrogen Oxide	R14	1	9	17	73	10	74								6.7799										6.7799	10.93532
Nitrogen Oxide	R14	1	10	19	69	10	74								6.6978										6.6978	10.8029
Nitrogen Oxide	R14	1	11	20	64	10	74								6.7089										6.7089	10.82081
Nitrogen Oxide	R14	1	12	21	62	10	74								6.6712										6.6712	10.76
Nitrogen Oxide	R14	1	13	21	61	10	74								6.6898										6.6898	10.79
Nitrogen Oxide	R14	1	14	21	62	10	74								6.6712										6.6712	10.76
Nitrogen Oxide	R14	1	15	21	62	10	74								6.6712										6.6712	10.76
Nitrogen Oxide	R14	1	16	21	63	10	74								6.6526										6.6526	10.73
Nitrogen Oxide	R14	1	17	20	67	10	74								6.6565										6.6565	10.73629
Nitrogen Oxide	R14	1	18	19	72	10	74								6.6488										6.6488	10.72387
Nitrogen Oxide	R14	1	19	18	74	10	74								6.693										6.693	10.79516
Nitrogen Oxide	R14	1	20	18	74	10	74								6.693										6.693	10.79516
Nitrogen Oxide	R14	1	21	18	75	10	74								6.6778										6.6778	10.77065
Nitrogen Oxide	R14	1	22	18	76	10	74								6.6625										6.6625	10.74597
Nitrogen Oxide	R14	1	23	18	75	10	74								6.6778										6.6778	10.77065
Nitrogen Oxide	R14	1	24	17	76	10	66								6.737										6.737	10.86613
Nitrogen Oxide	R14	2	1	17	78	10	66								6.7083										6.7083	10.81984
Nitrogen Oxide	R14	2	2	17	80	10	66								6.6795										6.6795	10.77339
Nitrogen Oxide	R14	2	3	17	81	10	66								6.6652										6.6652	10.75032
Nitrogen Oxide	R14	2	4	17	82	10	66								6.6509										6.6509	10.72726
Nitrogen Oxide	R14	2	5	16	83	10	66								6.7131										6.7131	10.82758
Nitrogen Oxide	R14	2	6	16	83	10	66								6.7131										6.7131	10.82758
Nitrogen Oxide	R14	2	7	16	83	10	66								6.7131										6.7131	10.82758
Nitrogen Oxide	R14	2	8	17	81	10	74								6.6652										6.6652	10.75032
Nitrogen Oxide	R14	2	9	18	77	10	74								6.6471										6.6471	10.72113
Nitrogen Oxide	R14	2	10	19	73	10	74								6.6324										6.6324	10.69742
Nitrogen Oxide	R14	2	11	20	70	10	74								6.6041										6.6041	10.65177
Nitrogen Oxide	R14	2	12	20	68	10	74								6.6391										6.6391	10.70823
Nitrogen Oxide	R14	2	13	21	65	10	74								6.6153										6.6153	10.66984
Nitrogen Oxide	R14	2	14	21	65	10	74								6.6153										6.6153	10.66984
Nitrogen Oxide	R14	2	15	21	66	10	74								6.5966										6.5966	10.63968
Nitrogen Oxide	R14	2	16	20	68	10	74								6.6391										6.6391	10.70823
Nitrogen Oxide	R14	2	17	20	70	10	74								6.6041										6.6041	10.65177
Nitrogen Oxide	R14	2	18	19	74	10	74								6.6161										6.6161	10.67113
Nitrogen Oxide	R14	2	19	18	76	10	74								6.6625										6.6625	10.74597
Nitrogen Oxide	R14	2	20	18	78	10	74								6.6318										6.6318	10.69645
Nitrogen Oxide	R14	2	21	18	78	10	74								6.6318										6.6318	10.69645
Nitrogen Oxide	R14	2	22	18	78	10	74								6.6318										6.6318	10.69645
Nitrogen Oxide	R14	2	23	18	78	10	74								6.6318										6.6318	10.69645
Nitrogen Oxide	R14	2	24	18	78	10	66								6.6318										6.6318	10.69645
Nitrogen Oxide	R14	3	1	21	86	10	66								6.2239										6.2239	10.03855
Nitrogen Oxide	R14	3	2	20	87	10	66								6.3072										6.3072	10.1729
Nitrogen Oxide	R14	3	3	20	87	10	66								6.3072										6.3072	10.1729
Nitrogen Oxide	R14	3	4	20	87	10	66								6.3072										6.3072	10.1729
Nitrogen Oxide	R14	3	5	20	87	10	66								6.3072										6.3072	10.1729
Nitrogen Oxide	R14	3	6	20	87	10	66								6.3072										6.3072	10.1729
Nitrogen Oxide	R14	3	7	20	87	10	66								6.3072										6.3072	10.1729
Nitrogen Oxide	R14	3	8	20	86	10	74								6.3246										6.3246	10.20097
Nitrogen Oxide	R14	3	9	21	83	10	74								6.2798										6.2798	10.12871
Nitrogen Oxide	R14	3	10	22	79	10	74								6.2564										6.2564	10.09097
Nitrogen Oxide	R14	3	11	22	78	10	74								6.2763										6.2763	10.12306
Nitrogen Oxide	R14	3	12	23	77	10	74								6.1951										6.1951	9.9921
Nitrogen Oxide	R14	3	13	23	77	10	74								6.1951										6.1951	9.9921
Nitrogen Oxide	R14	3	14	23	77	10	74								6.1951										6.1951	9.9921
Nitrogen Oxide	R14	3	15	23	76	10	74								6.2164										6.2164	10.02645
Nitrogen Oxide	R14	3	16	23	77	10	74								6.1951										6.1951	9.9921
Nitrogen Oxide	R14	3	17	22	79	10	74								6.2564										6.2564	10.09097
Nitrogen Oxide	R14	3	18	22	82	10	74								6.1968										6.1968	9.99484
Nitrogen Oxide	R14	3	19	21	84	10	74								6.2612										6.2612	10.09871
Nitrogen Oxide	R14	3	20	21	85	10	74								6.2425										6.2425	10.06855
Nitrogen Oxide	R14	3	21	21	86	10	74								6.2239										6.2239	10.03855
Nitrogen Oxide	R14	3	22	21	86	10	74								6.2239										6.2239	10.03855
Nitrogen Oxide	R14	3	23	21	85	10	74								6.2425										6.2425	10.06855
Nitrogen Oxide	R14	3	24	21	86	10	66								6.2239										6.2239	10.03855
Nitrogen Oxide	R14	4	1	20	83	10	66								6.377										6.377	10.28548
Nitrogen Oxide	R14	4	2	20	85	10	66								6.3421										6.3421	10.22919
Nitrogen Oxide	R14	4	3	20	84	10	66								6.3596										6.3596	10.25742
Nitrogen Oxide	R14	4	4	20	85	10	66								6.3421										6.3421	10.22919
Nitrogen Oxide	R14	4	5	19	84	10	66								6.4525										6.4525	10.40726
Nitrogen Oxide	R14	4	6	19	84	10	66								6.4525										6.4525	10.40726
Nitrogen Oxide	R14	4	7	20	84	10	66								6.3596										6.3596	10.25742
Nitrogen Oxide	R14	4	8	21	79	10	74								6.3544										6.3544	10.24903
Nitrogen Oxide	R14	4	9	22	73	10	74								6.3756										6.3756	10.28323
Nitrogen Oxide	R14	4	10	23	69	10	74								6.3646										6.3646	10.26548
Nitrogen Oxide	R14	4	11	23	68	10	74								6.3858										6.3858	10.29968
Nitrogen Oxide	R14	4	12	24	66	10	74								6.3367										6.3367	10.22048
Nitrogen Oxide	R14	4	13	24	65	10	74								6.3593										6.3593	10.25694
Nitrogen Oxide	R14	4	14	24	66	10	74								6.3367										6.3367	10.22048
Nitrogen Oxide	R14	4	15	24	66	10	74								6.3367										6.3367	10.22048
Nitrogen Oxide	R14	4	16	24	67	10	74								6.3141										6.3141	10.18403
Nitrogen Oxide	R14	4	17	23	69	10	74								6.3646										6.3646	10.26548
Nitrogen Oxide	R14	4	18	22	74	10	74								6.3558										6.3558	10.25129
Nitrogen Oxide	R14	4	19	22	76	10	74								6.316										6.316	10.1871
Nitrogen Oxide	R14	4	20	21	79	10	74								6.3544										6.3544	10.24903
Nitrogen Oxide	R14	4	21	21	80	10	74								6.3357										6.3357	10.21887
Nitrogen Oxide	R14	4	22	21	81	10	74								6.3171										6.3171	10.18887
Nitrogen Oxide	R14	4	23	21	82	10	74								6.2985										6.2985	10.15887
Nitrogen Oxide	R14	4	24	20	82	10	66								6.3945										6.3945	10.31371
Nitrogen Oxide	R14	5	1	26	91	10	66								5.4988										5.4988	8.86903
Nitrogen Oxide	R14	5	2	25	92	10	66								5.6151										5.6151	9.05661
Nitrogen Oxide	R14	5	3	25	92	10	66								5.6151										5.6151	9.05661
Nitrogen Oxide	R14	5	4	25	91	10	66								5.6392										5.6392	9.09548
Nitrogen Oxide	R14	5	5	25	92	10	66								5.6151										5.6151	9.05661
Nitrogen Oxide	R14	5	6	25	93	10	66								5.5911										5.5911	9.0179
Nitrogen Oxide	R14	5	7	26	91	10	66								5.4988										5.4988	8.86903
Nitrogen Oxide	R14	5	8	27	85	10	74								5.5142										5.5142	8.89387
Nitrogen Oxide	R14	5	9	28	80	10	74								5.5136										5.5136	8.8929
Nitrogen Oxide	R14	5	10	28	78	10	74								5.5714										5.5714	8.98613
Nitrogen Oxide	R14	5	11	29	77	10	74								5.462										5.462	8.80968
Nitrogen Oxide	R14	5	12	29	75	10	74								5.5234										5.5234	8.90871
Nitrogen Oxide	R14	5	13	29	74	10	74								5.5541										5.5541	8.95823
Nitrogen Oxide	R14	5	14	29	75	10	74								5.5234										5.5234	8.90871
Nitrogen Oxide	R14	5	15	29	75	10	74								5.5234										5.5234	8.90871

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:
(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.
(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Oxide	R14	5	16	29	77	10	74	-	-	-	-	-	-	-	5.462	-	-	-	-	-	-	-	-	-	5.462	8.80968
Nitrogen Oxide	R14	5	17	28	78	10	74	-	-	-	-	-	-	-	5.5714	-	-	-	-	-	-	-	-	-	5.5714	8.98613
Nitrogen Oxide	R14	5	18	28	81	10	74	-	-	-	-	-	-	-	5.4847	-	-	-	-	-	-	-	-	-	5.4847	8.84629
Nitrogen Oxide	R14	5	19	27	84	10	74	-	-	-	-	-	-	-	5.5415	-	-	-	-	-	-	-	-	-	5.5415	8.9379
Nitrogen Oxide	R14	5	20	27	87	10	74	-	-	-	-	-	-	-	5.4598	-	-	-	-	-	-	-	-	-	5.4598	8.80613
Nitrogen Oxide	R14	5	21	27	88	10	74	-	-	-	-	-	-	-	5.4326	-	-	-	-	-	-	-	-	-	5.4326	8.76226
Nitrogen Oxide	R14	5	22	26	89	10	74	-	-	-	-	-	-	-	5.55	-	-	-	-	-	-	-	-	-	5.55	8.95161
Nitrogen Oxide	R14	5	23	26	89	10	74	-	-	-	-	-	-	-	5.55	-	-	-	-	-	-	-	-	-	5.55	8.95161
Nitrogen Oxide	R14	5	24	26	90	10	66	-	-	-	-	-	-	-	5.5244	-	-	-	-	-	-	-	-	-	5.5244	8.91032
Nitrogen Oxide	R14	6	1	28	88	10	66	-	-	-	-	-	-	-	5.2823	-	-	-	-	-	-	-	-	-	5.2823	8.51984
Nitrogen Oxide	R14	6	2	27	89	10	66	-	-	-	-	-	-	-	5.4054	-	-	-	-	-	-	-	-	-	5.4054	8.71839
Nitrogen Oxide	R14	6	3	27	89	10	66	-	-	-	-	-	-	-	5.4054	-	-	-	-	-	-	-	-	-	5.4054	8.71839
Nitrogen Oxide	R14	6	4	27	88	10	66	-	-	-	-	-	-	-	5.4326	-	-	-	-	-	-	-	-	-	5.4326	8.76226
Nitrogen Oxide	R14	6	5	27	89	10	66	-	-	-	-	-	-	-	5.4054	-	-	-	-	-	-	-	-	-	5.4054	8.71839
Nitrogen Oxide	R14	6	6	27	90	10	66	-	-	-	-	-	-	-	5.3782	-	-	-	-	-	-	-	-	-	5.3782	8.67452
Nitrogen Oxide	R14	6	7	28	87	10	66	-	-	-	-	-	-	-	5.3111	-	-	-	-	-	-	-	-	-	5.3111	8.56629
Nitrogen Oxide	R14	6	8	29	82	10	74	-	-	-	-	-	-	-	5.3084	-	-	-	-	-	-	-	-	-	5.3084	8.56194
Nitrogen Oxide	R14	6	9	29	79	10	74	-	-	-	-	-	-	-	5.4006	-	-	-	-	-	-	-	-	-	5.4006	8.71065
Nitrogen Oxide	R14	6	10	30	76	10	74	-	-	-	-	-	-	-	5.3494	-	-	-	-	-	-	-	-	-	5.3494	8.62806
Nitrogen Oxide	R14	6	11	30	75	10	74	-	-	-	-	-	-	-	5.3819	-	-	-	-	-	-	-	-	-	5.3819	8.68048
Nitrogen Oxide	R14	6	12	30	74	10	74	-	-	-	-	-	-	-	5.4146	-	-	-	-	-	-	-	-	-	5.4146	8.73323
Nitrogen Oxide	R14	6	13	31	73	10	74	-	-	-	-	-	-	-	5.3027	-	-	-	-	-	-	-	-	-	5.3027	8.55274
Nitrogen Oxide	R14	6	14	31	72	10	74	-	-	-	-	-	-	-	5.3373	-	-	-	-	-	-	-	-	-	5.3373	8.60855
Nitrogen Oxide	R14	6	15	30	74	10	74	-	-	-	-	-	-	-	5.4146	-	-	-	-	-	-	-	-	-	5.4146	8.73323
Nitrogen Oxide	R14	6	16	30	74	10	74	-	-	-	-	-	-	-	5.4146	-	-	-	-	-	-	-	-	-	5.4146	8.73323
Nitrogen Oxide	R14	6	17	30	75	10	74	-	-	-	-	-	-	-	5.3819	-	-	-	-	-	-	-	-	-	5.3819	8.68048
Nitrogen Oxide	R14	6	18	29	79	10	74	-	-	-	-	-	-	-	5.4006	-	-	-	-	-	-	-	-	-	5.4006	8.71065
Nitrogen Oxide	R14	6	19	29	81	10	74	-	-	-	-	-	-	-	5.3392	-	-	-	-	-	-	-	-	-	5.3392	8.61161
Nitrogen Oxide	R14	6	20	28	83	10	74	-	-	-	-	-	-	-	5.4268	-	-	-	-	-	-	-	-	-	5.4268	8.7529
Nitrogen Oxide	R14	6	21	28	85	10	74	-	-	-	-	-	-	-	5.369	-	-	-	-	-	-	-	-	-	5.369	8.65968
Nitrogen Oxide	R14	6	22	28	86	10	74	-	-	-	-	-	-	-	5.34	-	-	-	-	-	-	-	-	-	5.34	8.6129
Nitrogen Oxide	R14	6	23	28	87	10	74	-	-	-	-	-	-	-	5.3111	-	-	-	-	-	-	-	-	-	5.3111	8.56629
Nitrogen Oxide	R14	6	24	28	87	10	66	-	-	-	-	-	-	-	5.3111	-	-	-	-	-	-	-	-	-	5.3111	8.56629
Nitrogen Oxide	R14	7	1	28	84	10	66	-	-	-	-	-	-	-	5.3979	-	-	-	-	-	-	-	-	-	5.3979	8.70629
Nitrogen Oxide	R14	7	2	28	84	10	66	-	-	-	-	-	-	-	5.3979	-	-	-	-	-	-	-	-	-	5.3979	8.70629
Nitrogen Oxide	R14	7	3	28	86	10	66	-	-	-	-	-	-	-	5.34	-	-	-	-	-	-	-	-	-	5.34	8.6129
Nitrogen Oxide	R14	7	4	28	86	10	66	-	-	-	-	-	-	-	5.34	-	-	-	-	-	-	-	-	-	5.34	8.6129
Nitrogen Oxide	R14	7	5	28	88	10	66	-	-	-	-	-	-	-	5.2823	-	-	-	-	-	-	-	-	-	5.2823	8.51984
Nitrogen Oxide	R14	7	6	27	88	10	66	-	-	-	-	-	-	-	5.4326	-	-	-	-	-	-	-	-	-	5.4326	8.76226
Nitrogen Oxide	R14	7	7	28	86	10	66	-	-	-	-	-	-	-	5.34	-	-	-	-	-	-	-	-	-	5.34	8.6129
Nitrogen Oxide	R14	7	8	29	81	10	74	-	-	-	-	-	-	-	5.3392	-	-	-	-	-	-	-	-	-	5.3392	8.61161
Nitrogen Oxide	R14	7	9	30	76	10	74	-	-	-	-	-	-	-	5.3494	-	-	-	-	-	-	-	-	-	5.3494	8.62806
Nitrogen Oxide	R14	7	10	31	70	10	74	-	-	-	-	-	-	-	5.4065	-	-	-	-	-	-	-	-	-	5.4065	8.72016
Nitrogen Oxide	R14	7	11	31	68	10	74	-	-	-	-	-	-	-	5.4757	-	-	-	-	-	-	-	-	-	5.4757	8.83177
Nitrogen Oxide	R14	7	12	32	67	10	74	-	-	-	-	-	-	-	5.3713	-	-	-	-	-	-	-	-	-	5.3713	8.66339
Nitrogen Oxide	R14	7	13	32	66	10	74	-	-	-	-	-	-	-	5.4079	-	-	-	-	-	-	-	-	-	5.4079	8.72242
Nitrogen Oxide	R14	7	14	32	66	10	74	-	-	-	-	-	-	-	5.4079	-	-	-	-	-	-	-	-	-	5.4079	8.72242
Nitrogen Oxide	R14	7	15	31	68	10	74	-	-	-	-	-	-	-	5.4757	-	-	-	-	-	-	-	-	-	5.4757	8.83177
Nitrogen Oxide	R14	7	16	31	69	10	74	-	-	-	-	-	-	-	5.441	-	-	-	-	-	-	-	-	-	5.441	8.77581
Nitrogen Oxide	R14	7	17	31	70	10	74	-	-	-	-	-	-	-	5.4065	-	-	-	-	-	-	-	-	-	5.4065	8.72016
Nitrogen Oxide	R14	7	18	30	73	10	74	-	-	-	-	-	-	-	5.4472	-	-	-	-	-	-	-	-	-	5.4472	8.78581
Nitrogen Oxide	R14	7	19	29	76	10	74	-	-	-	-	-	-	-	5.4927	-	-	-	-	-	-	-	-	-	5.4927	8.85919
Nitrogen Oxide	R14	7	20	29	79	10	74	-	-	-	-	-	-	-	5.4006	-	-	-	-	-	-	-	-	-	5.4006	8.71065
Nitrogen Oxide	R14	7	21	29	81	10	74	-	-	-	-	-	-	-	5.3392	-	-	-	-	-	-	-	-	-	5.3392	8.61161
Nitrogen Oxide	R14	7	22	29	82	10	74	-	-	-	-	-	-	-	5.3084	-	-	-	-	-	-	-	-	-	5.3084	8.56194
Nitrogen Oxide	R14	7	23	28	83	10	74	-	-	-	-	-	-	-	5.4268	-	-	-	-	-	-	-	-	-	5.4268	8.7529
Nitrogen Oxide	R14	7	24	28	84	10	66	-	-	-	-	-	-	-	5.3979	-	-	-	-	-	-	-	-	-	5.3979	8.70629
Nitrogen Oxide	R14	8	1	27	90	10	66	-	-	-	-	-	-	-	5.3782	-	-	-	-	-	-	-	-	-	5.3782	8.67452
Nitrogen Oxide	R14	8	2	26	90	10	66	-	-	-	-	-	-	-	5.5244	-	-	-	-	-	-	-	-	-	5.5244	8.91032
Nitrogen Oxide	R14	8	3	26	91	10	66	-	-	-	-	-	-	-	5.4988	-	-	-	-	-	-	-	-	-	5.4988	8.86903
Nitrogen Oxide	R14	8	4	26	92	10	66	-	-	-	-	-	-	-	5.4732	-	-	-	-	-	-	-	-	-	5.4732	8.82774
Nitrogen Oxide	R14	8	5	26	93	10	66	-	-	-	-	-	-	-	5.4477	-	-	-	-	-	-	-	-	-	5.4477	8.78661
Nitrogen Oxide	R14	8	6	26	94	10	66	-	-	-	-	-	-	-	5.422	-	-	-	-	-	-	-	-	-	5.422	8.74516
Nitrogen Oxide	R14	8	7	26	93	10	66	-	-	-	-	-	-	-	5.4477	-	-	-	-	-	-	-	-	-	5.4477	8.78661
Nitrogen Oxide	R14	8	8	27	87	10	74	-	-	-	-	-	-	-	5.4598	-	-	-	-	-	-	-	-	-	5.4598	8.80613
Nitrogen Oxide	R14	8	9	29	81	10	74	-	-	-	-	-	-	-	5.3392	-	-	-	-	-	-	-	-	-	5.3392	8.61161
Nitrogen Oxide	R14	8	10	30	76	10	74	-	-	-	-	-	-	-	5.3494	-	-	-	-	-	-	-	-	-	5.3494	8.62806
Nitrogen Oxide	R14	8	11	30	73	10	74	-	-	-	-	-	-	-	5.4472	-	-	-	-	-	-	-	-	-	5.4472	8.78581
Nitrogen Oxide	R14	8	12	30	73	10	74	-	-	-	-	-	-	-	5.4472	-	-	-	-	-	-	-	-	-	5.4472	8.78581
Nitrogen Oxide	R14	8	13	30	74	10	74	-	-	-	-	-	-	-	5.4146	-	-	-	-	-	-	-	-	-	5.4146	8.73323
Nitrogen Oxide	R14	8	14	30	74	10	74	-	-	-	-	-	-	-	5.4146	-	-	-	-	-	-	-	-	-	5.4146	8.73323
Nitrogen Oxide	R14	8	15	30	75	10	74	-	-	-	-	-	-	-	5.3819	-	-	-	-	-	-	-	-	-	5.3819	8.68048
Nitrogen Oxide	R14	8	16	29	77	10	74	-	-	-	-	-	-	-	5.462	-	-	-	-	-	-	-	-	-	5.462	8.80968
Nitrogen Oxide	R14	8	17	29	79	10	74	-	-	-	-	-	-	-	5.4006	-	-	-	-	-	-	-	-	-	5.4006	8.71065
Nitrogen Oxide	R14	8	18	28	80	10	74	-	-	-	-	-	-	-	5.5136	-	-	-	-	-	-	-	-	-	5.5136	8.8929
Nitrogen Oxide	R14	8	19	28	82	10	74	-	-	-	-	-	-	-	5.4557	-	-	-	-	-	-	-	-	-	5.4557	8.79952
Nitrogen Oxide	R14	8	20	28	84	10	74	-	-	-	-	-	-	-	5.3979	-	-	-	-	-	-	-	-	-	5.3979	8.70629
Nitrogen Oxide	R14	8	21	27	85	10	74	-	-	-	-	-	-	-	5.5142	-	-	-	-	-	-	-	-	-	5.5142	8.89587
Nitrogen Oxide	R14	8	22	27	87	10	74	-	-	-	-	-	-	-	5.4598	-	-	-	-	-	-	-	-	-	5.4598	8.80613
Nitrogen Oxide	R14	8	23	27	88	10	74	-	-	-	-	-	-	-	5.4326	-	-	-	-	-	-	-	-	-	5.4326	8.76226
Nitrogen Oxide	R14	8	24	27	89	10	66	-	-	-	-	-	-	-	5.4054	-	-	-	-	-	-	-	-	-	5.4054	8.71839
Nitrogen Oxide	R14	9	1	27	89	10	66	-	-	-	-	-	-	-	5.4054	-	-	-	-	-	-	-	-	-	5.4054	8.71839
Nitrogen Oxide	R14	9	2	26	89	10	66	-	-	-	-	-	-	-	5.55	-	-	-	-	-	-	-	-	-	5.55	8.95161
Nitrogen Oxide	R14	9	3	26	91	10	66	-	-	-	-	-	-	-	5.4988	-	-	-	-	-	-	-	-	-	5.4988	8.86903
Nitrogen Oxide	R14	9	4	26	92	10	66	-	-	-	-	-	-	-	5.4732	-	-	-	-	-	-	-	-	-	5.4732	8.82774
Nitrogen Oxide	R14	9	5	26	92	10	66	-	-	-	-	-	-	-	5.4732	-	-	-	-	-	-	-	-	-	5.4732	8.82774
Nitrogen Oxide	R14	9	6	26	93	10	66	-	-	-	-	-	-	-	5.4477	-	-	-	-	-	-	-	-	-	5.4477	8.78661
Nitrogen Oxide	R14	9	7	26	93	10	66	-	-	-	-	-	-	-	5.4477	-	-	-	-	-	-	-	-	-	5.4477	8.78661
Nitrogen Oxide	R14	9	8	27	88	10	74	-	-	-	-	-	-	-	5.4326	-	-	-	-	-	-	-	-	-	5.4326	8.76226
Nitrogen Oxide	R14	9	9	28	83	10	74	-	-	-	-	-	-	-	5.4268	-	-	-	-	-	-	-	-	-	5.4268	8.7529
Nitrogen Oxide	R14	9	10	29	78	10	74	-	-	-	-	-	-	-	5.4313	-	-	-	-	-	-	-	-	-	5.4313	8.76016
Nitrogen Oxide	R14	9	11	29	76	10	74	-	-	-	-	-	-	-	5.4927	-	-	-	-	-	-	-	-	-	5.4927	8.85919
Nitrogen Oxide	R14	9	12	29	76	10	74	-	-	-	-	-	-	-	5.4927	-	-	-	-	-	-	-	-	-	5.4927	8.85919
Nitrogen Oxide	R14	9	13	30	75	10	74	-	-	-	-	-	-	-	5.3819	-	-	-	-	-	-	-	-	-	5.3819	8.68048
Nitrogen Oxide	R14	9	14	29	75	10	74	-	-	-	-	-	-	-	5.5234	-	-	-	-	-	-	-	-	-	5.5234	8.90871
Nitrogen Oxide	R14	9	15	29	77	10	74	-	-	-	-	-	-	-	5.462	-	-	-	-	-	-	-	-	-	5.462	8.80968
Nitrogen Oxide	R14	9	16	29	76	10	74	-	-	-	-	-	-	-	5.4927	-	-	-	-	-	-	-	-	-	5.4927	8.85919
Nitrogen Oxide	R14	9	17	29	78	10	74	-	-	-	-	-	-	-	5.4313	-	-	-	-	-	-	-	-	-	5.4313	8.76016
Nitrogen Oxide	R14	9	18	28	81	10	74	-	-	-	-	-	-	-	5.4847	-	-	-	-	-	-	-	-	-	5.4847	8.84629
Nitrogen Oxide	R14	9	19	27	84	10	74	-	-	-	-	-	-	-	5.5415	-	-	-	-	-	-	-	-	-	5.5415	8.9379
Nitrogen Oxide	R14	9	20	27	86	10	74	-	-	-	-	-	-	-	5.487	-	-	-	-	-	-	-	-	-	5.487	8.85
Nitrogen Oxide	R14	9	21	27	87	10	74	-	-	-	-	-	-	-	5.4598	-	-	-	-	-	-	-	-	-	5.4598	8.80613
Nitrogen Oxide	R14	9	22	27	89	10	74	-	-	-	-	-	-	-	5.4054	-	-	-	-	-	-	-	-	-	5.4054	8.71839
Nitrogen Oxide	R14	9	23	27	89	10	74	-	-	-	-	-	-	-	5.4054	-	-	-	-	-	-	-	-	-	5.4054	8.71839
Nitrogen Oxide	R14	9	24	26	89	10	66	-	-	-	-	-	-	-	5.55	-	-	-	-	-	-	-	-	-	5.55	8.95161
Nitrogen Oxide	R14	10	1	24	74	10	66	-	-	-	-	-	-	-	6.1561	-	-	-	-	-	-	-	-	-	6.1561	9.92919
Nitrogen Oxide	R14	10	2	23	74	10	66	-	-	-	-	-	-	-	6.2587	-	-	-	-	-	-	-	-	-	6.2587	10.09468
Nitrogen Oxide	R14	10	3	23	74	10	66	-	-	-	-	-	-	-	6.2587	-	-	-	-	-	-	-	-	-	6.2587	10.09468
Nitrogen Oxide	R14	10	4	23	75	10	66	-	-	-	-	-	-	-	6.2375	-	-	-	-	-	-	-	-	-	6.2375	10.06048
Nitrogen Oxide	R14	10	5	23	74	10	66	-	-	-	-	-	-	-	6.2587	-	-	-	-	-	-	-	-	-	6.2587	10.09468
Nitrogen Oxide	R14	10	6	23	75	10	66	-	-	-	-	-	-	-	6.2375	-	-	-	-	-	-	-	-	-	6.2375	10.06048
Nitrogen Oxide	R14	10	7	23	75	10	66	-	-	-	-	-	-	-	6.2375	-	-	-	-	-	-	-	-	-	6.2375	10.06048
Nitrogen Oxide	R14	10	8	23	72	10	74	-	-	-	-	-	-	-	6.301	-	-	-	-	-	-	-	-	-	6.301	10.1629
Nitrogen Oxide	R14	10	9	24	69	10	74	-	-	-	-	-	-	-	6.269	-	-	-	-	-	-	-	-	-	6.269	10.11129
Nitrogen Oxide	R14	10	10	25	64	10	74	-	-	-	-	-	-	-	6.2882	-	-	-	-	-	-	-	-	-	6.2882	10.14226
Nitrogen Oxide	R14	10	11	26	61	10	74	-	-	-	-	-	-	-	6.2663	-	-	-	-	-	-	-	-	-	6.2663	10.10694
Nitrogen Oxide	R14	10	12	27	60	10	74	-	-	-	-	-	-	-	6.1944	-	-	-	-	-	-	-	-	-	6.1944	9.99097
Nitrogen Oxide	R14	10	13	27	59	10	74	-	-	-	-	-	-	-	6.2216	-	-	-	-	-	-	-	-	-	6.2216	10.03484
Nitrogen Oxide	R14	10	14	27	59	10	74	-	-	-	-	-	-	-	6.2216	-	-	-	-	-	-	-	-	-	6.2216	10.03484
Nitrogen Oxide	R14	10	15	27	60	10	74	-	-	-	-	-	-	-	6.1944	-	-	-	-	-	-	-	-	-	6.1944	9.99097
Nitrogen Oxide	R14	10	16	27	62	10	74	-	-	-	-	-	-	-	6.14	-	-	-	-	-	-	-	-	-	6.14	9.90323
Nitrogen Oxide	R14	10	17	26	65	10	74	-	-	-	-	-	-	-	6.1639	-	-	-	-	-	-	-	-	-	6.1639	9.94177
Nitrogen Oxide	R14	10	18	25	67	10	74	-	-	-	-	-	-	-	6.2161	-	-	-	-	-	-	-	-	-	6.2161	10.02597
Nitrogen Oxide	R14	10	19	25	69	10	74	-	-	-	-	-	-	-	6.168	-	-	-	-	-	-	-	-	-	6.168	9.94839
Nitrogen Oxide	R14	10	20	25	71	10	74	-	-	-	-	-	-	-	6.1199	-	-	-	-	-	-	-	-	-	6.1199	9.87081
Nitrogen Oxide	R14	10	21	24	71	10	74	-	-	-	-	-	-	-	6.2238	-	-	-	-	-	-	-	-	-	6.2238	10.03839
Nitrogen Oxide	R14	10	22	24	71	10	74	-	-	-	-	-	-	-	6.2238	-	-	-	-	-	-	-	-	-	6.2238	10.03839
Nitrogen Oxide	R14	10	23	24	72	10	74	-	-	-	-	-	-	-	6.2013	-	-	-	-	-	-	-	-	-	6.2013	10.0021
Nitrogen Oxide	R14	10	24	24	72	10	66	-	-	-	-	-	-	-	6.2013	-	-	-	-	-	-	-	-	-	6.2013	10.0021
Nitrogen Oxide	R14	11	1	21	75	10	66	-	-	-	-	-	-	-	6.4289	-	-	-	-	-	-	-	-	-	6.4289	10.36919
Nitrogen Oxide	R14	11	2	21	74	10	66	-	-	-	-	-	-	-	6.4476	-	-	-	-	-	-	-	-	-	6.4476	10.39935
Nitrogen Oxide	R14	11	3	21	74	10	66	-	-	-	-	-	-	-	6.4476	-	-	-	-	-	-	-	-	-	6.4476	10.39935
Nitrogen Oxide	R14	11	4	21	74	10	66	-	-	-	-	-	-	-	6.4476	-	-	-	-	-	-	-	-	-	6.4476	10.39935
Nitrogen Oxide	R14	11	5	21	74	10	66	-	-	-	-	-	-	-	6.4476	-	-	-	-	-	-	-	-	-	6.4476	10.39935
Nitrogen Oxide	R14	11	6	21	73	10	66	-	-	-	-	-	-	-	6.4662	-	-	-	-	-	-	-	-	-	6.4662	10.42935
Nitrogen Oxide	R14	11	7	21	73	10	66	-	-	-	-	-	-	-	6.4662	-	-	-	-	-	-	-	-	-	6.4662	10.42935
Nitrogen Oxide	R14	11	8	21	70	10	74	-	-	-	-	-	-	-	6.5221	-	-	-	-	-	-	-	-	-	6.5221	10.51952
Nitrogen Oxide	R14	11	9	22	66	10	74	-	-	-	-	-	-	-	6.5148	-	-	-	-	-	-	-	-	-	6.5148	10.50774
Nitrogen Oxide	R14	11	10	23	61	10	74	-	-	-	-	-	-	-	6.5342	-	-	-	-	-	-	-	-	-	6.5342	10.53903
Nitrogen Oxide	R14	11	11	25	57	10	74	-	-	-	-	-	-	-	6.4565	-	-	-	-	-	-	-	-	-	6.4565	10.41371
Nitrogen Oxide	R14	11	12	25	56	10	74	-	-	-	-	-	-	-	6.4806	-	-	-	-	-	-	-	-	-	6.4806	10.45258
Nitrogen Oxide	R14	11	13	25	56	10	74	-	-	-	-	-	-	-	6.4806	-	-	-	-	-	-	-	-	-	6.4806	10.45258
Nitrogen Oxide	R14	11	14	26	56	10	74	-	-	-	-	-	-	-	6.3942	-	-	-	-	-	-	-	-	-	6.3942	10.31323
Nitrogen Oxide	R14	11	15	26	57	10	74	-	-	-	-	-	-	-	6.3686	-	-	-	-	-	-	-	-	-	6.3686	10.27194
Nitrogen Oxide	R14	11	16	25	58	10	74	-	-	-	-	-	-	-	6.4325	-	-	-	-	-	-	-	-	-	6.4325	10.375
Nitrogen Oxide	R14	11	17	24	63	10	74	-	-	-	-	-	-	-	6.4045	-	-	-	-	-	-	-	-	-	6.4045	10.32984
Nitrogen Oxide	R14	11	18	23	66	10	74	-	-	-	-	-	-	-	6.4282	-	-	-	-	-	-	-	-	-	6.4282	10.36806
Nitrogen Oxide	R14	11	19	23	70	10	74	-	-	-	-	-	-	-	6.3435	-	-	-	-	-	-	-	-	-	6.3435	10.23145
Nitrogen Oxide	R14	11	20	22	70	10	74	-	-	-	-	-	-	-	6.4353	-	-	-	-	-	-	-	-	-	6.4353	10.37952

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:
(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.
(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Oxide	R14	11	21	22	72	10	74								6.3955										6.3955	10.31532
Nitrogen Oxide	R14	11	22	22	74	10	74								6.3558										6.3558	10.25129
Nitrogen Oxide	R14	11	23	22	74	10	74								6.3558										6.3558	10.25129
Nitrogen Oxide	R14	11	24	21	74	10	66								6.4476										6.4476	10.39935
Nitrogen Oxide	R14	12	1	16	68	10	66								6.9143										6.9143	11.1521
Nitrogen Oxide	R14	12	2	16	69	10	66								6.9009										6.9009	11.13048
Nitrogen Oxide	R14	12	3	16	69	10	66								6.9009										6.9009	11.13048
Nitrogen Oxide	R14	12	4	15	70	10	66								6.9481										6.9481	11.20661
Nitrogen Oxide	R14	12	5	15	70	10	66								6.9481										6.9481	11.20661
Nitrogen Oxide	R14	12	6	15	70	10	66								6.9481										6.9481	11.20661
Nitrogen Oxide	R14	12	7	15	70	10	66								6.9481										6.9481	11.20661
Nitrogen Oxide	R14	12	8	15	69	10	74								6.9607										6.9607	11.22694
Nitrogen Oxide	R14	12	9	16	65	10	74								6.9546										6.9546	11.2171
Nitrogen Oxide	R14	12	10	17	62	10	74								6.9377										6.9377	11.18984
Nitrogen Oxide	R14	12	11	18	58	10	74								6.9382										6.9382	11.19065
Nitrogen Oxide	R14	12	12	19	57	10	74								6.8942										6.8942	11.11968
Nitrogen Oxide	R14	12	13	19	56	10	74								6.9105										6.9105	11.14597
Nitrogen Oxide	R14	12	14	19	56	10	74								6.9105										6.9105	11.14597
Nitrogen Oxide	R14	12	15	19	56	10	74								6.9105										6.9105	11.14597
Nitrogen Oxide	R14	12	16	19	57	10	74								6.8942										6.8942	11.11968
Nitrogen Oxide	R14	12	17	18	60	10	74								6.9076										6.9076	11.14129
Nitrogen Oxide	R14	12	18	18	64	10	74								6.8463										6.8463	11.04242
Nitrogen Oxide	R14	12	19	17	65	10	74								6.8947										6.8947	11.12048
Nitrogen Oxide	R14	12	20	17	66	10	74								6.8803										6.8803	11.09726
Nitrogen Oxide	R14	12	21	17	66	10	74								6.8803										6.8803	11.09726
Nitrogen Oxide	R14	12	22	16	66	10	74								6.9412										6.9412	11.19548
Nitrogen Oxide	R14	12	23	16	66	10	74								6.9412										6.9412	11.19548
Nitrogen Oxide	R14	12	24	16	67	10	66								6.9278										6.9278	11.17387
Nitrogen Oxide	R15	1	1	17	76	10	66								6.737										6.737	10.86613
Nitrogen Oxide	R15	1	2	17	77	10	66								6.7226										6.7226	10.8429
Nitrogen Oxide	R15	1	3	17	77	10	66								6.7226										6.7226	10.8429
Nitrogen Oxide	R15	1	4	17	77	10	66								6.7226										6.7226	10.8429
Nitrogen Oxide	R15	1	5	17	78	10	66								6.7083										6.7083	10.81984
Nitrogen Oxide	R15	1	6	17	77	10	66								6.7226										6.7226	10.8429
Nitrogen Oxide	R15	1	7	16	77	10	66								6.7935										6.7935	10.95726
Nitrogen Oxide	R15	1	8	17	77	10	74								6.7226										6.7226	10.8429
Nitrogen Oxide	R15	1	9	17	73	10	74								6.7799										6.7799	10.93532
Nitrogen Oxide	R15	1	10	19	69	10	74								6.6978										6.6978	10.8029
Nitrogen Oxide	R15	1	11	20	64	10	74								6.7089										6.7089	10.82081
Nitrogen Oxide	R15	1	12	21	62	10	74								6.6712										6.6712	10.76
Nitrogen Oxide	R15	1	13	21	61	10	74								6.6898										6.6898	10.79
Nitrogen Oxide	R15	1	14	21	62	10	74								6.6712										6.6712	10.76
Nitrogen Oxide	R15	1	15	21	62	10	74								6.6712										6.6712	10.76
Nitrogen Oxide	R15	1	16	21	63	10	74								6.6526										6.6526	10.73
Nitrogen Oxide	R15	1	17	20	67	10	74								6.6565										6.6565	10.73629
Nitrogen Oxide	R15	1	18	19	72	10	74								6.6488										6.6488	10.72387
Nitrogen Oxide	R15	1	19	18	74	10	74								6.693										6.693	10.79516
Nitrogen Oxide	R15	1	20	18	74	10	74								6.693										6.693	10.79516
Nitrogen Oxide	R15	1	21	18	75	10	74								6.6778										6.6778	10.77065
Nitrogen Oxide	R15	1	22	18	76	10	74								6.6625										6.6625	10.74597
Nitrogen Oxide	R15	1	23	18	75	10	74								6.6778										6.6778	10.77065
Nitrogen Oxide	R15	1	24	17	76	10	66								6.737										6.737	10.86613
Nitrogen Oxide	R15	2	1	17	78	10	66								6.7083										6.7083	10.81984
Nitrogen Oxide	R15	2	2	17	80	10	66								6.6795										6.6795	10.77339
Nitrogen Oxide	R15	2	3	17	81	10	66								6.6652										6.6652	10.75032
Nitrogen Oxide	R15	2	4	17	82	10	66								6.6509										6.6509	10.72726
Nitrogen Oxide	R15	2	5	16	83	10	66								6.7131										6.7131	10.82758
Nitrogen Oxide	R15	2	6	16	83	10	66								6.7131										6.7131	10.82758
Nitrogen Oxide	R15	2	7	16	83	10	66								6.7131										6.7131	10.82758
Nitrogen Oxide	R15	2	8	17	81	10	74								6.6652										6.6652	10.75032
Nitrogen Oxide	R15	2	9	18	77	10	74								6.6471										6.6471	10.72113
Nitrogen Oxide	R15	2	10	19	73	10	74								6.6324										6.6324	10.69742
Nitrogen Oxide	R15	2	11	20	70	10	74								6.6041										6.6041	10.65177
Nitrogen Oxide	R15	2	12	20	68	10	74								6.6391										6.6391	10.70823
Nitrogen Oxide	R15	2	13	21	65	10	74								6.6153										6.6153	10.66984
Nitrogen Oxide	R15	2	14	21	65	10	74								6.6153										6.6153	10.66984
Nitrogen Oxide	R15	2	15	21	66	10	74								6.5966										6.5966	10.63968
Nitrogen Oxide	R15	2	16	20	68	10	74								6.6391										6.6391	10.70823
Nitrogen Oxide	R15	2	17	20	70	10	74								6.6041										6.6041	10.65177
Nitrogen Oxide	R15	2	18	19	74	10	74								6.6161										6.6161	10.67113
Nitrogen Oxide	R15	2	19	18	76	10	74								6.6625										6.6625	10.74597
Nitrogen Oxide	R15	2	20	18	78	10	74								6.6318										6.6318	10.69645
Nitrogen Oxide	R15	2	21	18	78	10	74								6.6318										6.6318	10.69645
Nitrogen Oxide	R15	2	22	18	78	10	74								6.6318										6.6318	10.69645
Nitrogen Oxide	R15	2	23	18	78	10	74								6.6318										6.6318	10.69645
Nitrogen Oxide	R15	2	24	18	78	10	66								6.6318										6.6318	10.69645
Nitrogen Oxide	R15	3	1	21	86	10	66								6.2239										6.2239	10.03855
Nitrogen Oxide	R15	3	2	20	87	10	66								6.3072										6.3072	10.1729
Nitrogen Oxide	R15	3	3	20	87	10	66								6.3072										6.3072	10.1729
Nitrogen Oxide	R15	3	4	20	87	10	66								6.3072										6.3072	10.1729
Nitrogen Oxide	R15	3	5	20	87	10	66								6.3072										6.3072	10.1729
Nitrogen Oxide	R15	3	6	20	87	10	66								6.3072										6.3072	10.1729
Nitrogen Oxide	R15	3	7	20	87	10	66								6.3072										6.3072	10.1729
Nitrogen Oxide	R15	3	8	20	86	10	74								6.3246										6.3246	10.20097
Nitrogen Oxide	R15	3	9	21	83	10	74								6.2798										6.2798	10.12871
Nitrogen Oxide	R15	3	10	22	79	10	74								6.2564										6.2564	10.09097
Nitrogen Oxide	R15	3	11	22	78	10	74								6.2763										6.2763	10.12306
Nitrogen Oxide	R15	3	12	23	77	10	74								6.1951										6.1951	9.9921
Nitrogen Oxide	R15	3	13	23	77	10	74								6.1951										6.1951	9.9921
Nitrogen Oxide	R15	3	14	23	77	10	74								6.1951										6.1951	9.9921
Nitrogen Oxide	R15	3	15	23	76	10	74								6.2164										6.2164	10.02645
Nitrogen Oxide	R15	3	16	23	77	10	74								6.1951										6.1951	9.9921
Nitrogen Oxide	R15	3	17	22	79	10	74								6.2564										6.2564	10.09097
Nitrogen Oxide	R15	3	18	22	82	10	74								6.1968										6.1968	9.99484
Nitrogen Oxide	R15	3	19	21	84	10	74								6.2612										6.2612	10.09871
Nitrogen Oxide	R15	3	20	21	85	10	74								6.2425										6.2425	10.06855
Nitrogen Oxide	R15	3	21	21	86	10	74								6.2239										6.2239	10.03855
Nitrogen Oxide	R15	3	22	21	86	10	74								6.2239										6.2239	10.03855
Nitrogen Oxide	R15	3	23	21	85	10	74								6.2425										6.2425	10.06855
Nitrogen Oxide	R15	3	24	21	86	10	66								6.2239										6.2239	10.03855
Nitrogen Oxide	R15	4	1	20	83	10	66								6.377										6.377	10.28548
Nitrogen Oxide	R15	4	2	20	85	10	66								6.3421										6.3421	10.22919
Nitrogen Oxide	R15	4	3	20	84	10	66								6.3596										6.3596	10.25742
Nitrogen Oxide	R15	4	4	20	85	10	66								6.3421										6.3421	10.22919
Nitrogen Oxide	R15	4	5	19	84	10	66								6.4525										6.4525	10.40726
Nitrogen Oxide	R15	4	6	19	84	10	66								6.4525										6.4525	10.40726
Nitrogen Oxide	R15	4	7	20	84	10	66								6.3596										6.3596	10.25742
Nitrogen Oxide	R15	4	8	21	79	10	74								6.3544										6.3544	10.24903
Nitrogen Oxide	R15	4	9	22	73	10	74								6.3756										6.3756	10.28323
Nitrogen Oxide	R15	4	10	23	69	10	74								6.3646										6.3646	10.26548
Nitrogen Oxide	R15	4	11	23	68	10	74								6.3858										6.3858	10.29968
Nitrogen Oxide	R15	4	12	24	66	10	74								6.3367										6.3367	10.22048
Nitrogen Oxide	R15	4	13	24	65	10	74								6.3593										6.3593	10.25694
Nitrogen Oxide	R15	4	14	24	66	10	74								6.3367										6.3367	10.22048
Nitrogen Oxide	R15	4	15	24	66	10	74								6.3367										6.3367	10.22048
Nitrogen Oxide	R15	4	16	24	67	10	74								6.3141										6.3141	10.18403
Nitrogen Oxide	R15	4	17	23	69	10	74								6.3646										6.3646	10.26548
Nitrogen Oxide	R15	4	18	22	74	10	74								6.3558										6.3558	10.25129
Nitrogen Oxide	R15	4	19	22	76	10	74								6.316										6.316	10.1871
Nitrogen Oxide	R15	4	20	21	79	10	74								6.3544										6.3544	10.24903
Nitrogen Oxide	R15	4	21	21	80	10	74								6.3357										6.3357	10.21887
Nitrogen Oxide	R15	4	22	21	81	10	74								6.3171										6.3171	10.18887
Nitrogen Oxide	R15	4	23	21	82	10	74								6.2985										6.2985	10.15887
Nitrogen Oxide	R15	4	24	20	82	10	66								6.3945										6.3945	10.31371
Nitrogen Oxide	R15	5	1	26	91	10	66								5.4988										5.4988	8.86903
Nitrogen Oxide	R15	5	2	25	92	10	66								5.6151										5.6151	9.05661
Nitrogen Oxide	R15	5	3	25	92	10	66								5.6151										5.6151	9.05661
Nitrogen Oxide	R15	5	4	25	91	10	66								5.6392										5.6392	9.09548
Nitrogen Oxide	R15	5	5	25	92	10	66								5.6151										5.6151	9.05661
Nitrogen Oxide	R15	5	6	25	93	10	66								5.5911										5.5911	9.0179
Nitrogen Oxide	R15	5	7	26	91	10	66								5.4988										5.4988	8.86903
Nitrogen Oxide	R15	5	8	27	85	10	74								5.5142										5.5142	8.89387
Nitrogen Oxide	R15	5	9	28	80	10	74								5.5136										5.5136	8.8929
Nitrogen Oxide	R15	5	10	28	78	10	74								5.5714										5.5714	8.98613
Nitrogen Oxide	R15	5	11	29	77	10	74								5.462										5.462	8.80968
Nitrogen Oxide	R15	5	12	29	75	10	74								5.5234										5.5234	8.90871
Nitrogen Oxide	R15	5	13	29	74	10	74								5.5541										5.5541	8.95823
Nitrogen Oxide	R15	5	14	29	75	10	74								5.5234										5.5234	8.90871
Nitrogen Oxide	R15	5	15	29	75	10	74								5.5234										5.5234	8.90871
Nitrogen Oxide	R15	5	16	29	77	10	74								5.462										5.462	8.80968
Nitrogen Oxide	R15	5	17	28	78	10	74								5.5714										5.5714	8.98613
Nitrogen Oxide	R15	5	18	28	81	10	74								5.4847										5.4847	8.84629
Nitrogen Oxide	R15	5	19	27	84	10	74								5.5415										5.5415	8.9379
Nitrogen Oxide	R15	5	20	27	87	10	74								5.4598										5.4598	8.80613
Nitrogen Oxide	R15	5	21	27	88	10	74								5.4326										5.4326	8.76226
Nitrogen Oxide	R15	5	22	26	89	10	74								5.55										5.55	8.95161
Nitrogen Oxide	R15	5	23	26	89	10	74								5.55										5.55	8.95161
Nitrogen Oxide	R15	5	24	26	90	10	66								5.5244										5.5244	8.91032
Nitrogen Oxide	R15	6	1	28	88	10	66								5.2823										5.2823	8.51984

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:
(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.
(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Oxide	R15	6	2	27	89	10	66								5.4054										5.4054	8.71839
Nitrogen Oxide	R15	6	3	27	89	10	66								5.4054										5.4054	8.71839
Nitrogen Oxide	R15	6	4	27	88	10	66								5.4326										5.4326	8.76226
Nitrogen Oxide	R15	6	5	27	89	10	66								5.4054										5.4054	8.71839
Nitrogen Oxide	R15	6	6	27	90	10	66								5.3782										5.3782	8.67452
Nitrogen Oxide	R15	6	7	28	87	10	66								5.3111										5.3111	8.56629
Nitrogen Oxide	R15	6	8	29	82	10	74								5.3084										5.3084	8.56194
Nitrogen Oxide	R15	6	9	29	79	10	74								5.4006										5.4006	8.71065
Nitrogen Oxide	R15	6	10	30	76	10	74								5.3494										5.3494	8.62806
Nitrogen Oxide	R15	6	11	30	75	10	74								5.3819										5.3819	8.68048
Nitrogen Oxide	R15	6	12	30	74	10	74								5.4146										5.4146	8.73323
Nitrogen Oxide	R15	6	13	31	73	10	74								5.3027										5.3027	8.55274
Nitrogen Oxide	R15	6	14	31	72	10	74								5.3373										5.3373	8.60855
Nitrogen Oxide	R15	6	15	30	74	10	74								5.4146										5.4146	8.73323
Nitrogen Oxide	R15	6	16	30	74	10	74								5.4146										5.4146	8.73323
Nitrogen Oxide	R15	6	17	30	75	10	74								5.3819										5.3819	8.68048
Nitrogen Oxide	R15	6	18	29	79	10	74								5.4006										5.4006	8.71065
Nitrogen Oxide	R15	6	19	29	81	10	74								5.3392										5.3392	8.61161
Nitrogen Oxide	R15	6	20	28	83	10	74								5.4268										5.4268	8.7529
Nitrogen Oxide	R15	6	21	28	85	10	74								5.369										5.369	8.65968
Nitrogen Oxide	R15	6	22	28	86	10	74								5.34										5.34	8.6129
Nitrogen Oxide	R15	6	23	28	87	10	74								5.3111										5.3111	8.56629
Nitrogen Oxide	R15	6	24	28	87	10	66								5.3111										5.3111	8.56629
Nitrogen Oxide	R15	7	1	28	84	10	66								5.3979										5.3979	8.70629
Nitrogen Oxide	R15	7	2	28	84	10	66								5.3979										5.3979	8.70629
Nitrogen Oxide	R15	7	3	28	86	10	66								5.34										5.34	8.6129
Nitrogen Oxide	R15	7	4	28	86	10	66								5.34										5.34	8.6129
Nitrogen Oxide	R15	7	5	28	88	10	66								5.2823										5.2823	8.51984
Nitrogen Oxide	R15	7	6	27	88	10	66								5.4326										5.4326	8.76226
Nitrogen Oxide	R15	7	7	28	86	10	66								5.34										5.34	8.6129
Nitrogen Oxide	R15	7	8	29	81	10	74								5.3392										5.3392	8.61161
Nitrogen Oxide	R15	7	9	30	76	10	74								5.3494										5.3494	8.62806
Nitrogen Oxide	R15	7	10	31	70	10	74								5.4065										5.4065	8.72016
Nitrogen Oxide	R15	7	11	31	68	10	74								5.4757										5.4757	8.83177
Nitrogen Oxide	R15	7	12	32	67	10	74								5.3713										5.3713	8.66339
Nitrogen Oxide	R15	7	13	32	66	10	74								5.4079										5.4079	8.72242
Nitrogen Oxide	R15	7	14	32	66	10	74								5.4079										5.4079	8.72242
Nitrogen Oxide	R15	7	15	31	68	10	74								5.4757										5.4757	8.83177
Nitrogen Oxide	R15	7	16	31	69	10	74								5.441										5.441	8.77581
Nitrogen Oxide	R15	7	17	31	70	10	74								5.4065										5.4065	8.72016
Nitrogen Oxide	R15	7	18	30	73	10	74								5.4472										5.4473	8.78581
Nitrogen Oxide	R15	7	19	29	76	10	74								5.4927										5.4927	8.85919
Nitrogen Oxide	R15	7	20	29	79	10	74								5.4006										5.4006	8.71065
Nitrogen Oxide	R15	7	21	29	81	10	74								5.3392										5.3392	8.61161
Nitrogen Oxide	R15	7	22	29	82	10	74								5.3084										5.3084	8.56194
Nitrogen Oxide	R15	7	23	28	83	10	74								5.4268										5.4268	8.7529
Nitrogen Oxide	R15	7	24	28	84	10	74								5.3979										5.3979	8.70629
Nitrogen Oxide	R15	8	1	27	90	10	66								5.3782										5.3782	8.67452
Nitrogen Oxide	R15	8	2	26	90	10	66								5.5244										5.5244	8.91032
Nitrogen Oxide	R15	8	3	26	91	10	66								5.4988										5.4988	8.86903
Nitrogen Oxide	R15	8	4	26	92	10	66								5.4732										5.4732	8.82774
Nitrogen Oxide	R15	8	5	26	93	10	66								5.4477										5.4477	8.78661
Nitrogen Oxide	R15	8	6	26	94	10	66								5.422										5.422	8.74516
Nitrogen Oxide	R15	8	7	26	93	10	66								5.4472										5.4472	8.78661
Nitrogen Oxide	R15	8	8	27	87	10	74								5.4598										5.4598	8.80613
Nitrogen Oxide	R15	8	9	29	81	10	74								5.3392										5.3392	8.61161
Nitrogen Oxide	R15	8	10	30	76	10	74								5.3494										5.3494	8.62806
Nitrogen Oxide	R15	8	11	30	73	10	74								5.4472										5.4473	8.78581
Nitrogen Oxide	R15	8	12	30	73	10	74								5.4472										5.4472	8.78581
Nitrogen Oxide	R15	8	13	30	74	10	74								5.4146										5.4146	8.73323
Nitrogen Oxide	R15	8	14	30	74	10	74								5.4146										5.4146	8.73323
Nitrogen Oxide	R15	8	15	30	75	10	74								5.3819										5.3819	8.68048
Nitrogen Oxide	R15	8	16	29	77	10	74								5.462										5.462	8.80968
Nitrogen Oxide	R15	8	17	29	79	10	74								5.4006										5.4006	8.71065
Nitrogen Oxide	R15	8	18	28	80	10	74								5.5136										5.5136	8.8929
Nitrogen Oxide	R15	8	19	28	82	10	74								5.4557										5.4557	8.79952
Nitrogen Oxide	R15	8	20	28	84	10	74								5.3979										5.3979	8.70629
Nitrogen Oxide	R15	8	21	27	85	10	74								5.5142										5.5142	8.89387
Nitrogen Oxide	R15	8	22	27	87	10	74								5.4598										5.4598	8.80613
Nitrogen Oxide	R15	8	23	27	88	10	74								5.4326										5.4326	8.76226
Nitrogen Oxide	R15	8	24	27	89	10	66								5.4054										5.4054	8.71839
Nitrogen Oxide	R15	9	1	27	89	10	66								5.4054										5.4054	8.71839
Nitrogen Oxide	R15	9	2	26	89	10	66								5.55										5.55	8.95161
Nitrogen Oxide	R15	9	3	26	91	10	66								5.4988										5.4988	8.86903
Nitrogen Oxide	R15	9	4	26	92	10	66								5.4732										5.4732	8.82774
Nitrogen Oxide	R15	9	5	26	92	10	66								5.4732										5.4732	8.82774
Nitrogen Oxide	R15	9	6	26	93	10	66								5.4477										5.4477	8.78661
Nitrogen Oxide	R15	9	7	26	93	10	66								5.4477										5.4477	8.78661
Nitrogen Oxide	R15	9	8	27	88	10	74								5.4326										5.4326	8.76226
Nitrogen Oxide	R15	9	9	28	83	10	74								5.4268										5.4268	8.7529
Nitrogen Oxide	R15	9	10	29	78	10	74								5.4313										5.4313	8.76016
Nitrogen Oxide	R15	9	11	29	76	10	74								5.4927										5.4927	8.85919
Nitrogen Oxide	R15	9	12	29	76	10	74								5.4927										5.4927	8.85919
Nitrogen Oxide	R15	9	13	30	75	10	74								5.3819										5.3819	8.68048
Nitrogen Oxide	R15	9	14	29	75	10	74								5.5234										5.5234	8.90871
Nitrogen Oxide	R15	9	15	29	77	10	74								5.462										5.462	8.80968
Nitrogen Oxide	R15	9	16	29	76	10	74								5.4927										5.4927	8.85919
Nitrogen Oxide	R15	9	17	29	78	10	74								5.4313										5.4313	8.76016
Nitrogen Oxide	R15	9	18	28	81	10	74								5.4847										5.4847	8.84629
Nitrogen Oxide	R15	9	19	27	84	10	74								5.5415										5.5415	8.9379
Nitrogen Oxide	R15	9	20	27	86	10	74								5.487										5.487	8.85
Nitrogen Oxide	R15	9	21	27	87	10	74								5.4598										5.4598	8.80613
Nitrogen Oxide	R15	9	22	27	89	10	74								5.4054										5.4054	8.71839
Nitrogen Oxide	R15	9	23	27	89	10	74								5.4054										5.4054	8.71839
Nitrogen Oxide	R15	9	24	26	89	10	66								5.55										5.55	8.95161
Nitrogen Oxide	R15	10	1	24	74	10	66								6.1561										6.1561	9.92919
Nitrogen Oxide	R15	10	2	23	74	10	66								6.2587										6.2587	10.09468
Nitrogen Oxide	R15	10	3	23	74	10	66								6.2587										6.2587	10.09468
Nitrogen Oxide	R15	10	4	23	75	10	66								6.2375										6.2375	10.06048
Nitrogen Oxide	R15	10	5	23	74	10	66								6.2587										6.2587	10.09468
Nitrogen Oxide	R15	10	6	23	75	10	66								6.2375										6.2375	10.06048
Nitrogen Oxide	R15	10	7	23	75	10	66								6.2375										6.2375	10.06048
Nitrogen Oxide	R15	10	8	23	72	10	74								6.301										6.301	10.1629
Nitrogen Oxide	R15	10	9	24	69	10	74								6.269										6.269	10.11129
Nitrogen Oxide	R15	10	10	25	64	10	74								6.2882										6.2882	10.14226
Nitrogen Oxide	R15	10	11	26	61	10	74								6.2663										6.2663	10.10694
Nitrogen Oxide	R15	10	12	27	60	10	74								6.1944										6.1944	9.99097
Nitrogen Oxide	R15	10	13	27	59	10	74								6.2216										6.2216	10.03484
Nitrogen Oxide	R15	10	14	27	59	10	74								6.2216										6.2216	10.03484
Nitrogen Oxide	R15	10	15	27	60	10	74								6.1944										6.1944	9.99097
Nitrogen Oxide	R15	10	16	27	62	10	74								6.14										6.14	9.90323
Nitrogen Oxide	R15	10	17	26	65	10	74								6.1639										6.1639	9.94177
Nitrogen Oxide	R15	10	18	25	67	10	74								6.2161										6.2161	10.02597
Nitrogen Oxide	R15	10	19	25	69	10	74								6.168										6.168	9.94839
Nitrogen Oxide	R15	10	20	25	71	10	74								6.1199										6.1199	9.87081
Nitrogen Oxide	R15	10	21	24	71	10	74								6.2238										6.2238	10.03839
Nitrogen Oxide	R15	10	22	24	71	10	74								6.2238										6.2238	10.03839
Nitrogen Oxide	R15	10	23	24	72	10	74								6.2013										6.2013	10.0021
Nitrogen Oxide	R15	10	24	24	72	10	66								6.2013										6.2013	10.0021
Nitrogen Oxide	R15	11	1	21	75	10	66								6.4289										6.4289	10.36919
Nitrogen Oxide	R15	11	2	21	74	10	66								6.4476										6.4476	10.39935
Nitrogen Oxide	R15	11	3	21	74	10	66								6.4476										6.4476	10.39935
Nitrogen Oxide	R15	11	4	21	74	10	66								6.4476										6.4476	10.39935
Nitrogen Oxide	R15	11	5	21	74	10	66								6.4476										6.4476	10.39935
Nitrogen Oxide	R15	11	6	21	73	10	66								6.4662										6.4662	10.42935
Nitrogen Oxide	R15	11	7	21	73	10	66								6.4662										6.4662	10.42935
Nitrogen Oxide	R15	11	8	21	70	10	74								6.5221										6.5221	10.51952
Nitrogen Oxide	R15	11	9	22	66	10	74								6.5148										6.5148	10.50774
Nitrogen Oxide	R15	11	10	23	61	10	74								6.5342										6.5342	10.53903
Nitrogen Oxide	R15	11	11	25	57	10	74								6.4565										6.4565	10.41371
Nitrogen Oxide	R15	11	12	25	56	10	74								6.4806										6.4806	10.45258
Nitrogen Oxide	R15	11	13	25	56	10	74								6.4806										6.4806	10.45258
Nitrogen Oxide	R15	11	14	26	56	10	74								6.3942										6.3942	10.31323
Nitrogen Oxide	R15	11	15	26	57	10	74								6.3686										6.3686	10.27194
Nitrogen Oxide	R15	11	16	25	58	10	74								6.4325										6.4325	10.375
Nitrogen Oxide	R15	11	17	24	63	10	74								6.4045										6.4045	10.32984
Nitrogen Oxide	R15	11	18	23	66	10	74								6.4282										6.4282	10.36806
Nitrogen Oxide	R15	11	19	23	70	10	74								6.3435										6.3435	10.23145
Nitrogen Oxide	R15	11	20	22	70	10	74								6.4353										6.4353	10.37952
Nitrogen Oxide	R15	11	21	22	72	10	74								6.3955										6.3955	10.31532
Nitrogen Oxide	R15	11	22	22	74	10	74								6.3558										6.3558	10.25129
Nitrogen Oxide	R15	11	23	22	74	10	74								6.3558										6.3558	10.25129
Nitrogen Oxide	R15	11	24	21	74	10	66								6.4476										6.4476	10.39935
Nitrogen Oxide	R15	12	1	16	68	10	66								6.9143										6.9143	11.1521
Nitrogen Oxide	R15	12	2	16	69	10	66								6.9009										6.9009	11.13048
Nitrogen Oxide	R15	12	3	16	69	10	66								6.9009										6.9009	11.13048
Nitrogen Oxide	R15	12	4	15	70	10	66								6.9481										6.9481	11.20661
Nitrogen Oxide	R15	12	5	15	70	10	66								6.9481										6.9481	11.20661
Nitrogen Oxide	R15	12	6	15	70	10	66								6.9481										6.9481	11.20661

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:
(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.
(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Oxide	R15	12	7	15	70	10	66								6.9481										6.9481	11.20661
Nitrogen Oxide	R15	12	8	15	69	10	74								6.9607										6.9607	11.22694
Nitrogen Oxide	R15	12	9	16	65	10	74								6.9546										6.9546	11.2171
Nitrogen Oxide	R15	12	10	17	62	10	74								6.9577										6.9577	11.19984
Nitrogen Oxide	R15	12	11	18	58	10	74								6.9382										6.9382	11.19065
Nitrogen Oxide	R15	12	12	19	57	10	74								6.8942										6.8942	11.11968
Nitrogen Oxide	R15	12	13	19	56	10	74								6.9105										6.9105	11.14597
Nitrogen Oxide	R15	12	14	19	56	10	74								6.9105										6.9105	11.14597
Nitrogen Oxide	R15	12	15	19	56	10	74								6.9105										6.9105	11.14597
Nitrogen Oxide	R15	12	16	19	57	10	74								6.8942										6.8942	11.11968
Nitrogen Oxide	R15	12	17	18	60	10	74								6.9076										6.9076	11.14129
Nitrogen Oxide	R15	12	18	18	64	10	74								6.8463										6.8463	11.04242
Nitrogen Oxide	R15	12	19	17	65	10	74								6.8947										6.8947	11.12048
Nitrogen Oxide	R15	12	20	17	66	10	74								6.8803										6.8803	11.09726
Nitrogen Oxide	R15	12	21	17	66	10	74								6.8803										6.8803	11.09726
Nitrogen Oxide	R15	12	22	16	66	10	74								6.9412										6.9412	11.19548
Nitrogen Oxide	R15	12	23	16	66	10	74								6.9412										6.9412	11.19548
Nitrogen Oxide	R15	12	24	16	67	10	66								6.9278										6.9278	11.17387
Nitrogen Oxide	R17	1	1	17	76	10	66								6.737										6.737	10.86613
Nitrogen Oxide	R17	1	2	17	77	10	66								6.7226										6.7226	10.8429
Nitrogen Oxide	R17	1	3	17	77	10	66								6.7226										6.7226	10.8429
Nitrogen Oxide	R17	1	4	17	77	10	66								6.7226										6.7226	10.8429
Nitrogen Oxide	R17	1	5	17	78	10	66								6.7083										6.7083	10.81984
Nitrogen Oxide	R17	1	6	17	77	10	66								6.7226										6.7226	10.8429
Nitrogen Oxide	R17	1	7	16	77	10	66								6.7935										6.7935	10.95726
Nitrogen Oxide	R17	1	8	17	77	10	74								6.7226										6.7226	10.8429
Nitrogen Oxide	R17	1	9	17	73	10	74								6.7799										6.7799	10.93532
Nitrogen Oxide	R17	1	10	19	69	10	74								6.6978										6.6978	10.8029
Nitrogen Oxide	R17	1	11	20	64	10	74								6.7089										6.7089	10.82081
Nitrogen Oxide	R17	1	12	21	62	10	74								6.6712										6.6712	10.76
Nitrogen Oxide	R17	1	13	21	61	10	74								6.6898										6.6898	10.79
Nitrogen Oxide	R17	1	14	21	62	10	74								6.6712										6.6712	10.76
Nitrogen Oxide	R17	1	15	21	62	10	74								6.6712										6.6712	10.76
Nitrogen Oxide	R17	1	16	21	63	10	74								6.6526										6.6526	10.73
Nitrogen Oxide	R17	1	17	20	67	10	74								6.6565										6.6565	10.73629
Nitrogen Oxide	R17	1	18	19	72	10	74								6.6488										6.6488	10.72387
Nitrogen Oxide	R17	1	19	18	74	10	74								6.693										6.693	10.79516
Nitrogen Oxide	R17	1	20	18	74	10	74								6.693										6.693	10.79516
Nitrogen Oxide	R17	1	21	18	75	10	74								6.6778										6.6778	10.77065
Nitrogen Oxide	R17	1	22	18	76	10	74								6.6625										6.6625	10.74597
Nitrogen Oxide	R17	1	23	18	75	10	74								6.6778										6.6778	10.77065
Nitrogen Oxide	R17	1	24	17	76	10	66								6.737										6.737	10.86613
Nitrogen Oxide	R17	2	1	17	78	10	66								6.7083										6.7083	10.81984
Nitrogen Oxide	R17	2	2	17	80	10	66								6.6795										6.6795	10.77339
Nitrogen Oxide	R17	2	3	17	81	10	66								6.6652										6.6652	10.75032
Nitrogen Oxide	R17	2	4	17	82	10	66								6.6509										6.6509	10.72726
Nitrogen Oxide	R17	2	5	16	83	10	66								6.7131										6.7131	10.82758
Nitrogen Oxide	R17	2	6	16	83	10	66								6.7131										6.7131	10.82758
Nitrogen Oxide	R17	2	7	16	83	10	66								6.7131										6.7131	10.82758
Nitrogen Oxide	R17	2	8	17	81	10	74								6.6652										6.6652	10.75032
Nitrogen Oxide	R17	2	9	18	77	10	74								6.6471										6.6471	10.72113
Nitrogen Oxide	R17	2	10	19	73	10	74								6.6324										6.6324	10.69742
Nitrogen Oxide	R17	2	11	20	70	10	74								6.6041										6.6041	10.65177
Nitrogen Oxide	R17	2	12	20	68	10	74								6.6391										6.6391	10.70823
Nitrogen Oxide	R17	2	13	21	65	10	74								6.6153										6.6153	10.66984
Nitrogen Oxide	R17	2	14	21	65	10	74								6.6153										6.6153	10.66984
Nitrogen Oxide	R17	2	15	21	66	10	74								6.5966										6.5966	10.63968
Nitrogen Oxide	R17	2	16	20	68	10	74								6.6391										6.6391	10.70823
Nitrogen Oxide	R17	2	17	20	70	10	74								6.6041										6.6041	10.65177
Nitrogen Oxide	R17	2	18	19	74	10	74								6.6161										6.6161	10.67113
Nitrogen Oxide	R17	2	19	18	76	10	74								6.6625										6.6625	10.74597
Nitrogen Oxide	R17	2	20	18	78	10	74								6.6318										6.6318	10.69645
Nitrogen Oxide	R17	2	21	18	78	10	74								6.6318										6.6318	10.69645
Nitrogen Oxide	R17	2	22	18	78	10	74								6.6318										6.6318	10.69645
Nitrogen Oxide	R17	2	23	18	78	10	74								6.6318										6.6318	10.69645
Nitrogen Oxide	R17	2	24	18	78	10	66								6.6318										6.6318	10.69645
Nitrogen Oxide	R17	3	1	21	86	10	66								6.2239										6.2239	10.03855
Nitrogen Oxide	R17	3	2	20	87	10	66								6.3072										6.3072	10.1729
Nitrogen Oxide	R17	3	3	20	87	10	66								6.3072										6.3072	10.1729
Nitrogen Oxide	R17	3	4	20	87	10	66								6.3072										6.3072	10.1729
Nitrogen Oxide	R17	3	5	20	87	10	66								6.3072										6.3072	10.1729
Nitrogen Oxide	R17	3	6	20	87	10	66								6.3072										6.3072	10.1729
Nitrogen Oxide	R17	3	7	20	87	10	66								6.3072										6.3072	10.1729
Nitrogen Oxide	R17	3	8	20	86	10	74								6.3246										6.3246	10.20097
Nitrogen Oxide	R17	3	9	21	83	10	74								6.2798										6.2798	10.12871
Nitrogen Oxide	R17	3	10	22	79	10	74								6.2564										6.2564	10.09097
Nitrogen Oxide	R17	3	11	22	78	10	74								6.2763										6.2763	10.12306
Nitrogen Oxide	R17	3	12	23	77	10	74								6.1951										6.1951	9.9921
Nitrogen Oxide	R17	3	13	23	77	10	74								6.1951										6.1951	9.9921
Nitrogen Oxide	R17	3	14	23	77	10	74								6.1951										6.1951	9.9921
Nitrogen Oxide	R17	3	15	23	76	10	74								6.2164										6.2164	10.02645
Nitrogen Oxide	R17	3	16	23	77	10	74								6.1951										6.1951	9.9921
Nitrogen Oxide	R17	3	17	22	79	10	74								6.2564										6.2564	10.09097
Nitrogen Oxide	R17	3	18	22	82	10	74								6.1968										6.1968	9.99484
Nitrogen Oxide	R17	3	19	21	84	10	74								6.2612										6.2612	10.09871
Nitrogen Oxide	R17	3	20	21	85	10	74								6.2425										6.2425	10.06855
Nitrogen Oxide	R17	3	21	21	86	10	74								6.2239										6.2239	10.03855
Nitrogen Oxide	R17	3	22	21	86	10	74								6.2239										6.2239	10.03855
Nitrogen Oxide	R17	3	23	21	85	10	74								6.2425										6.2425	10.06855
Nitrogen Oxide	R17	3	24	21	86	10	66								6.2239										6.2239	10.03855
Nitrogen Oxide	R17	4	1	20	83	10	66								6.377										6.377	10.28548
Nitrogen Oxide	R17	4	2	20	85	10	66								6.3421										6.3421	10.22919
Nitrogen Oxide	R17	4	3	20	84	10	66								6.3596										6.3596	10.25742
Nitrogen Oxide	R17	4	4	20	85	10	66								6.3421										6.3421	10.22919
Nitrogen Oxide	R17	4	5	19	84	10	66								6.4525										6.4525	10.40726
Nitrogen Oxide	R17	4	6	19	84	10	66								6.4525										6.4525	10.40726
Nitrogen Oxide	R17	4	7	20	84	10	66								6.3596										6.3596	10.25742
Nitrogen Oxide	R17	4	8	21	79	10	74								6.3544										6.3544	10.24903
Nitrogen Oxide	R17	4	9	22	73	10	74								6.3756										6.3756	10.28323
Nitrogen Oxide	R17	4	10	23	69	10	74								6.3646										6.3646	10.26548
Nitrogen Oxide	R17	4	11	23	68	10	74								6.3858										6.3858	10.29868
Nitrogen Oxide	R17	4	12	24	66	10	74								6.3367										6.3367	10.22048
Nitrogen Oxide	R17	4	13	24	65	10	74								6.3593										6.3593	10.25694
Nitrogen Oxide	R17	4	14	24	66	10	74								6.3367										6.3367	10.22048
Nitrogen Oxide	R17	4	15	24	66	10	74								6.3367										6.3367	10.22048
Nitrogen Oxide	R17	4	16	24	67	10	74								6.3141										6.3141	10.18403
Nitrogen Oxide	R17	4	17	23	69	10	74								6.3646										6.3646	10.26548
Nitrogen Oxide	R17	4	18	22	74	10	74								6.3558										6.3558	10.25129
Nitrogen Oxide	R17	4	19	22	76	10	74								6.316										6.316	10.1871
Nitrogen Oxide	R17	4	20	21	79	10	74								6.3544										6.3544	10.24903
Nitrogen Oxide	R17	4	21	21	80	10	74								6.3357										6.3357	10.21887
Nitrogen Oxide	R17	4	22	21	81	10	74								6.3171										6.3171	10.18887
Nitrogen Oxide	R17	4	23	21	82	10	74								6.2985										6.2985	10.15887
Nitrogen Oxide	R17	4	24	20	82	10	66								6.3945										6.3945	10.31371
Nitrogen Oxide	R17	5	1	26	91	10	66								5.4988										5.4988	8.86903
Nitrogen Oxide	R17	5	2	25	92	10	66								5.6151										5.6151	9.05661
Nitrogen Oxide	R17	5	3	25	92	10	66								5.6151										5.6151	9.05661
Nitrogen Oxide	R17	5	4	25	91	10	66								5.6392										5.6392	9.09548
Nitrogen Oxide	R17	5	5	25	92	10	66								5.6151										5.6151	9.05661
Nitrogen Oxide	R17	5	6	25	93	10	66								5.5911										5.5911	9.0179
Nitrogen Oxide	R17	5	7	26	91	10	66								5.4988										5.4988	8.86903
Nitrogen Oxide	R17	5	8	27	85	10	74								5.5142										5.5142	8.89387
Nitrogen Oxide	R17	5	9	28	80	10	74								5.5136										5.5136	8.8929
Nitrogen Oxide	R17	5	10	28	78	10	74								5.5714										5.5714	8.98613
Nitrogen Oxide	R17	5	11	29	77	10	74								5.462										5.462	8.80968
Nitrogen Oxide	R17	5	12	29	75	10	74								5.5234										5.5234	8.90871
Nitrogen Oxide	R17	5	13	29	74	10	74								5.5541										5.5541	8.95823
Nitrogen Oxide	R17	5	14	29	75	10	74								5.5234										5.5234	8.90871
Nitrogen Oxide	R17	5	15	29	75	10	74								5.5234										5.5234	8.90871
Nitrogen Oxide	R17	5	16	29	77	10	74								5.462										5.462	8.80968
Nitrogen Oxide	R17	5	17	28	78	10	74								5.5714										5.5714	8.98613
Nitrogen Oxide	R17	5	18	28	81	10	74								5.4847										5.4847	8.84629
Nitrogen Oxide	R17	5	19	27	84	10	74								5.5415										5.5415	8.9379
Nitrogen Oxide	R17	5	20	27	87	10	74								5.4598										5.4598	8.80613
Nitrogen Oxide	R17	5	21	27	88	10	74								5.4326										5.4326	8.76226
Nitrogen Oxide	R17	5	22	26	89	10	74								5.55										5.55	8.95161
Nitrogen Oxide	R17	5	23	26	89	10	74								5.55										5.55	8.95161
Nitrogen Oxide	R17	5	24	26	90	10	66								5.5244										5.5244	8.91032
Nitrogen Oxide	R17	6	1	28	88	10	66								5.2823										5.2823	8.51984
Nitrogen Oxide	R17	6	2	27	89	10	66								5.4054										5.4054	8.71839
Nitrogen Oxide	R17	6	3	27	89	10	66								5.4054										5.4054	8.71839
Nitrogen Oxide	R17	6	4	27	88	10	66								5.4326										5.4326	8.76226
Nitrogen Oxide	R17	6	5	27	89	10	66								5.4054										5.4054	8.71839
Nitrogen Oxide	R17	6	6	27	90	10	66								5.3782										5.3782	8.67452
Nitrogen Oxide	R17	6	7	28	87	10	66								5.3111										5.3111	8.56629
Nitrogen Oxide	R17	6	8	29	82	10	74								5.3084										5.3084	8.56194
Nitrogen Oxide	R17	6	9	29	79	10	74								5.4006										5.4006	8.71065
Nitrogen Oxide	R17	6	10	30	76	10	74								5.3494										5.3494	8.62806
Nitrogen Oxide	R17	6	11	30	75	10	74								5.3819										5.3819	8.68048

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:
(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.
(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Oxide	R17	6	12	30	74	10	74								5.4146										5.4146	8.73323
Nitrogen Oxide	R17	6	13	31	73	10	74								5.3027										5.3027	8.55274
Nitrogen Oxide	R17	6	14	31	72	10	74								5.3373										5.3373	8.60855
Nitrogen Oxide	R17	6	15	30	74	10	74								5.4146										5.4146	8.73323
Nitrogen Oxide	R17	6	16	30	74	10	74								5.4146										5.4146	8.73323
Nitrogen Oxide	R17	6	17	30	75	10	74								5.3819										5.3819	8.68048
Nitrogen Oxide	R17	6	18	29	79	10	74								5.4006										5.4006	8.71065
Nitrogen Oxide	R17	6	19	29	81	10	74								5.3392										5.3392	8.61161
Nitrogen Oxide	R17	6	20	28	83	10	74								5.4268										5.4268	8.7529
Nitrogen Oxide	R17	6	21	28	85	10	74								5.369										5.369	8.65968
Nitrogen Oxide	R17	6	22	28	86	10	74								5.34										5.34	8.6129
Nitrogen Oxide	R17	6	23	28	87	10	74								5.3111										5.3111	8.56629
Nitrogen Oxide	R17	6	24	28	87	10	66								5.3111										5.3111	8.56629
Nitrogen Oxide	R17	7	1	28	84	10	66								5.3979										5.3979	8.70629
Nitrogen Oxide	R17	7	2	28	84	10	66								5.3979										5.3979	8.70629
Nitrogen Oxide	R17	7	3	28	86	10	66								5.34										5.34	8.6129
Nitrogen Oxide	R17	7	4	28	86	10	66								5.34										5.34	8.6129
Nitrogen Oxide	R17	7	5	28	88	10	66								5.2823										5.2823	8.51984
Nitrogen Oxide	R17	7	6	27	88	10	66								5.4326										5.4326	8.76226
Nitrogen Oxide	R17	7	7	28	86	10	66								5.34										5.34	8.6129
Nitrogen Oxide	R17	7	8	29	81	10	74								5.3392										5.3392	8.61161
Nitrogen Oxide	R17	7	9	30	76	10	74								5.3494										5.3494	8.62806
Nitrogen Oxide	R17	7	10	31	70	10	74								5.4065										5.4065	8.72016
Nitrogen Oxide	R17	7	11	31	68	10	74								5.4757										5.4757	8.83177
Nitrogen Oxide	R17	7	12	32	67	10	74								5.3713										5.3713	8.66339
Nitrogen Oxide	R17	7	13	32	66	10	74								5.4079										5.4079	8.72242
Nitrogen Oxide	R17	7	14	32	66	10	74								5.4079										5.4079	8.72242
Nitrogen Oxide	R17	7	15	31	68	10	74								5.4757										5.4757	8.83177
Nitrogen Oxide	R17	7	16	31	69	10	74								5.441										5.441	8.77581
Nitrogen Oxide	R17	7	17	31	70	10	74								5.4065										5.4065	8.72016
Nitrogen Oxide	R17	7	18	30	73	10	74								5.4472										5.4472	8.78581
Nitrogen Oxide	R17	7	19	29	76	10	74								5.4927										5.4927	8.85919
Nitrogen Oxide	R17	7	20	29	79	10	74								5.4006										5.4006	8.71065
Nitrogen Oxide	R17	7	21	29	81	10	74								5.3392										5.3392	8.61161
Nitrogen Oxide	R17	7	22	29	82	10	74								5.3084										5.3084	8.56194
Nitrogen Oxide	R17	7	23	28	83	10	74								5.4268										5.4268	8.7529
Nitrogen Oxide	R17	7	24	28	84	10	66								5.3979										5.3979	8.70629
Nitrogen Oxide	R17	8	1	27	90	10	66								5.3782										5.3782	8.67452
Nitrogen Oxide	R17	8	2	26	90	10	66								5.5244										5.5244	8.91032
Nitrogen Oxide	R17	8	3	26	91	10	66								5.4988										5.4988	8.86903
Nitrogen Oxide	R17	8	4	26	92	10	66								5.4732										5.4732	8.82774
Nitrogen Oxide	R17	8	5	26	93	10	66								5.4477										5.4477	8.78661
Nitrogen Oxide	R17	8	6	26	94	10	66								5.422										5.422	8.74516
Nitrogen Oxide	R17	8	7	26	93	10	66								5.4477										5.4477	8.78661
Nitrogen Oxide	R17	8	8	27	87	10	74								5.4598										5.4598	8.80613
Nitrogen Oxide	R17	8	9	29	81	10	74								5.3392										5.3392	8.61161
Nitrogen Oxide	R17	8	10	30	76	10	74								5.3494										5.3494	8.62806
Nitrogen Oxide	R17	8	11	30	73	10	74								5.4472										5.4472	8.78581
Nitrogen Oxide	R17	8	12	30	73	10	74								5.4472										5.4472	8.78581
Nitrogen Oxide	R17	8	13	30	74	10	74								5.4146										5.4146	8.73323
Nitrogen Oxide	R17	8	14	30	74	10	74								5.4146										5.4146	8.73323
Nitrogen Oxide	R17	8	15	30	75	10	74								5.3819										5.3819	8.68048
Nitrogen Oxide	R17	8	16	29	77	10	74								5.462										5.462	8.80968
Nitrogen Oxide	R17	8	17	29	79	10	74								5.4006										5.4006	8.71065
Nitrogen Oxide	R17	8	18	28	80	10	74								5.5136										5.5136	8.8929
Nitrogen Oxide	R17	8	19	28	82	10	74								5.4557										5.4557	8.79952
Nitrogen Oxide	R17	8	20	28	84	10	74								5.3979										5.3979	8.70629
Nitrogen Oxide	R17	8	21	27	85	10	74								5.5142										5.5142	8.89387
Nitrogen Oxide	R17	8	22	27	87	10	74								5.4598										5.4598	8.80613
Nitrogen Oxide	R17	8	23	27	88	10	74								5.4326										5.4326	8.76226
Nitrogen Oxide	R17	8	24	27	89	10	66								5.4054										5.4054	8.71839
Nitrogen Oxide	R17	9	1	27	89	10	66								5.4054										5.4054	8.71839
Nitrogen Oxide	R17	9	2	26	89	10	66								5.55										5.55	8.95161
Nitrogen Oxide	R17	9	3	26	91	10	66								5.4988										5.4988	8.86903
Nitrogen Oxide	R17	9	4	26	92	10	66								5.4732										5.4732	8.82774
Nitrogen Oxide	R17	9	5	26	92	10	66								5.4732										5.4732	8.82774
Nitrogen Oxide	R17	9	6	26	93	10	66								5.4477										5.4477	8.78661
Nitrogen Oxide	R17	9	7	26	93	10	66								5.4477										5.4477	8.78661
Nitrogen Oxide	R17	9	8	27	88	10	74								5.4326										5.4326	8.76226
Nitrogen Oxide	R17	9	9	28	83	10	74								5.4268										5.4268	8.7529
Nitrogen Oxide	R17	9	10	29	78	10	74								5.4313										5.4313	8.76016
Nitrogen Oxide	R17	9	11	29	76	10	74								5.4927										5.4927	8.85919
Nitrogen Oxide	R17	9	12	29	76	10	74								5.4927										5.4927	8.85919
Nitrogen Oxide	R17	9	13	30	75	10	74								5.3819										5.3819	8.68048
Nitrogen Oxide	R17	9	14	29	75	10	74								5.5234										5.5234	8.90871
Nitrogen Oxide	R17	9	15	29	77	10	74								5.462										5.462	8.80968
Nitrogen Oxide	R17	9	16	29	76	10	74								5.4927										5.4927	8.85919
Nitrogen Oxide	R17	9	17	29	78	10	74								5.4313										5.4313	8.76016
Nitrogen Oxide	R17	9	18	28	81	10	74								5.4847										5.4847	8.84629
Nitrogen Oxide	R17	9	19	27	84	10	74								5.5415										5.5415	8.9379
Nitrogen Oxide	R17	9	20	27	86	10	74								5.487										5.487	8.85
Nitrogen Oxide	R17	9	21	27	87	10	74								5.4598										5.4598	8.80613
Nitrogen Oxide	R17	9	22	27	89	10	74								5.4054										5.4054	8.71839
Nitrogen Oxide	R17	9	23	27	89	10	74								5.4054										5.4054	8.71839
Nitrogen Oxide	R17	9	24	26	89	10	66								5.55										5.55	8.95161
Nitrogen Oxide	R17	10	1	24	74	10	66								6.1561										6.1561	9.92919
Nitrogen Oxide	R17	10	2	23	74	10	66								6.2587										6.2587	10.09468
Nitrogen Oxide	R17	10	3	23	74	10	66								6.2587										6.2587	10.09468
Nitrogen Oxide	R17	10	4	23	75	10	66								6.2375										6.2375	10.06048
Nitrogen Oxide	R17	10	5	23	74	10	66								6.2587										6.2587	10.09468
Nitrogen Oxide	R17	10	6	23	75	10	66								6.2375										6.2375	10.06048
Nitrogen Oxide	R17	10	7	23	75	10	66								6.2375										6.2375	10.06048
Nitrogen Oxide	R17	10	8	23	72	10	74								6.301										6.301	10.1629
Nitrogen Oxide	R17	10	9	24	69	10	74								6.269										6.269	10.11129
Nitrogen Oxide	R17	10	10	25	64	10	74								6.2882										6.2882	10.14226
Nitrogen Oxide	R17	10	11	26	61	10	74								6.2663										6.2663	10.10694
Nitrogen Oxide	R17	10	12	27	60	10	74								6.1944										6.1944	9.99097
Nitrogen Oxide	R17	10	13	27	59	10	74								6.2216										6.2216	10.03484
Nitrogen Oxide	R17	10	14	27	59	10	74								6.2216										6.2216	10.03484
Nitrogen Oxide	R17	10	15	27	60	10	74								6.1944										6.1944	9.99097
Nitrogen Oxide	R17	10	16	27	62	10	74								6.14										6.14	9.90323
Nitrogen Oxide	R17	10	17	26	65	10	74								6.1639										6.1639	9.94177
Nitrogen Oxide	R17	10	18	25	67	10	74								6.2161										6.2161	10.02597
Nitrogen Oxide	R17	10	19	25	69	10	74								6.168										6.168	9.94839
Nitrogen Oxide	R17	10	20	25	71	10	74								6.1199										6.1199	9.87081
Nitrogen Oxide	R17	10	21	24	71	10	74								6.2238										6.2238	10.03839
Nitrogen Oxide	R17	10	22	24	71	10	74								6.2238										6.2238	10.03839
Nitrogen Oxide	R17	10	23	24	72	10	74								6.2013										6.2013	10.0021
Nitrogen Oxide	R17	10	24	24	72	10	66								6.2013										6.2013	10.0021
Nitrogen Oxide	R17	11	1	21	75	10	66								6.4289										6.4289	10.36919
Nitrogen Oxide	R17	11	2	21	74	10	66								6.4476										6.4476	10.39935
Nitrogen Oxide	R17	11	3	21	74	10	66								6.4476										6.4476	10.39935
Nitrogen Oxide	R17	11	4	21	74	10	66								6.4476										6.4476	10.39935
Nitrogen Oxide	R17	11	5	21	74	10	66								6.4476										6.4476	10.39935
Nitrogen Oxide	R17	11	6	21	73	10	66								6.4662										6.4662	10.42935
Nitrogen Oxide	R17	11	7	21	73	10	66								6.4662										6.4662	10.42935
Nitrogen Oxide	R17	11	8	21	70	10	74								6.5221										6.5221	10.51952
Nitrogen Oxide	R17	11	9	22	66	10	74								6.5148										6.5148	10.50774
Nitrogen Oxide	R17	11	10	23	61	10	74								6.5342										6.5342	10.53903
Nitrogen Oxide	R17	11	11	25	57	10	74								6.4565										6.4565	10.41371
Nitrogen Oxide	R17	11	12	25	56	10	74								6.4806										6.4806	10.45258
Nitrogen Oxide	R17	11	13	25	56	10	74								6.4806										6.4806	10.45258
Nitrogen Oxide	R17	11	14	26	56	10	74								6.3942										6.3942	10.31323
Nitrogen Oxide	R17	11	15	26	57	10	74								6.3686										6.3686	10.27194
Nitrogen Oxide	R17	11	16	25	58	10	74								6.4325										6.4325	10.375
Nitrogen Oxide	R17	11	17	24	63	10	74								6.4045										6.4045	10.32984
Nitrogen Oxide	R17	11	18	23	66	10	74								6.4282										6.4282	10.36806
Nitrogen Oxide	R17	11	19	23	70	10	74								6.3435										6.3435	10.23145
Nitrogen Oxide	R17	11	20	22	70	10	74								6.4353										6.4353	10.37952
Nitrogen Oxide	R17	11	21	22	72	10	74								6.3955										6.3955	10.31532
Nitrogen Oxide	R17	11	22	22	74	10	74								6.3558										6.3558	10.25129
Nitrogen Oxide	R17	11	23	22	74	10	74								6.3558										6.3558	10.25129
Nitrogen Oxide	R17	11	24	21	74	10	66								6.4476										6.4476	10.39935
Nitrogen Oxide	R17	12	1	16	68	10	66								6.9143										6.9143	11.1521
Nitrogen Oxide	R17	12	2	16	69	10	66								6.9009										6.9009	11.13048
Nitrogen Oxide	R17	12	3	16	69	10	66								6.9009										6.9009	11.13048
Nitrogen Oxide	R17	12	4	15	70	10	66								6.9481										6.9481	11.20661
Nitrogen Oxide	R17	12	5	15	70	10	66								6.9481										6.9481	11.20661
Nitrogen Oxide	R17	12	6	15	70	10	66								6.9481										6.9481	11.20661
Nitrogen Oxide	R17	12	7	15	70	10	66								6.9481										6.9481	11.20661
Nitrogen Oxide	R17	12	8	15	69	10	74								6.9607										6.9607	11.22694
Nitrogen Oxide	R17	12	9	16	65	10	74								6.9546										6.9546	11.2171
Nitrogen Oxide	R17	12	10	17	62	10	74								6.9377										6.9377	11.18984
Nitrogen Oxide	R17	12	11	18	58	10	74								6.9382										6.9382	11.19065
Nitrogen Oxide	R17	12	12	19	57	10	74								6.8942										6.8942	11.11968
Nitrogen Oxide	R17	12	13	19	56	10	74								6.9105										6.9105	11.14597
Nitrogen Oxide	R17	12	14	19	56	10	74								6.9105										6.9105	11.14597
Nitrogen Oxide	R17	12	15	19	56	10	74								6.9105										6.9105	11.14597
Nitrogen Oxide	R17	12	16	19	57	10	74								6.8942										6.8942	11.11968

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:
(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.
(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Oxide	R17	12	17	18	60	10	74								6.9076										6.9076	11.14129
Nitrogen Oxide	R17	12	18	18	64	10	74								6.8463										6.8463	11.04242
Nitrogen Oxide	R17	12	19	17	65	10	74								6.8947										6.8947	11.12048
Nitrogen Oxide	R17	12	20	17	66	10	74								6.8803										6.8803	11.09726
Nitrogen Oxide	R17	12	21	17	66	10	74								6.8803										6.8803	11.09726
Nitrogen Oxide	R17	12	22	16	66	10	74								6.9412										6.9412	11.19548
Nitrogen Oxide	R17	12	23	16	66	10	74								6.9412										6.9412	11.19548
Nitrogen Oxide	R17	12	24	16	67	10	66								6.9278										6.9278	11.17387
Nitrogen Oxide	R19	1	1	17	76	10	0								6.737										0	0
Nitrogen Oxide	R19	1	2	17	77	10	0								6.7226										0	0
Nitrogen Oxide	R19	1	3	17	77	10	0								6.7226										0	0
Nitrogen Oxide	R19	1	4	17	77	10	0								6.7226										0	0
Nitrogen Oxide	R19	1	5	17	78	10	0								6.7083										0	0
Nitrogen Oxide	R19	1	6	17	77	10	0								6.7226										0	0
Nitrogen Oxide	R19	1	7	16	77	10	0								6.7935										0	0
Nitrogen Oxide	R19	1	8	17	77	10	166								6.7226										6.7226	10.8429
Nitrogen Oxide	R19	1	9	17	73	10	166								6.7799										6.7799	10.93532
Nitrogen Oxide	R19	1	10	19	69	10	166								6.6978										6.6978	10.8029
Nitrogen Oxide	R19	1	11	20	64	10	166								6.7089										6.7089	10.82081
Nitrogen Oxide	R19	1	12	21	62	10	166								6.6712										6.6712	10.76
Nitrogen Oxide	R19	1	13	21	61	10	166								6.6898										6.6898	10.79
Nitrogen Oxide	R19	1	14	21	62	10	166								6.6712										6.6712	10.76
Nitrogen Oxide	R19	1	15	21	62	10	166								6.6712										6.6712	10.76
Nitrogen Oxide	R19	1	16	21	63	10	166								6.6526										6.6526	10.73
Nitrogen Oxide	R19	1	17	20	67	10	166								6.6565										6.6565	10.73629
Nitrogen Oxide	R19	1	18	19	72	10	166								6.6488										6.6488	10.72387
Nitrogen Oxide	R19	1	19	18	74	10	166								6.693										6.693	10.79516
Nitrogen Oxide	R19	1	20	18	74	10	166								6.693										6.693	10.79516
Nitrogen Oxide	R19	1	21	18	75	10	166								6.6778										6.6778	10.77065
Nitrogen Oxide	R19	1	22	18	76	10	166								6.6625										6.6625	10.74597
Nitrogen Oxide	R19	1	23	18	75	10	166								6.6778										6.6778	10.77065
Nitrogen Oxide	R19	1	24	17	76	10	0								6.737										0	0
Nitrogen Oxide	R19	2	1	17	78	10	0								6.7083										0	0
Nitrogen Oxide	R19	2	2	17	80	10	0								6.6795										0	0
Nitrogen Oxide	R19	2	3	17	81	10	0								6.6652										0	0
Nitrogen Oxide	R19	2	4	17	82	10	0								6.6509										0	0
Nitrogen Oxide	R19	2	5	16	83	10	0								6.7131										0	0
Nitrogen Oxide	R19	2	6	16	83	10	0								6.7131										0	0
Nitrogen Oxide	R19	2	7	16	83	10	0								6.7131										0	0
Nitrogen Oxide	R19	2	8	17	81	10	166								6.6652										6.6652	10.75032
Nitrogen Oxide	R19	2	9	18	77	10	166								6.6471										6.6471	10.72113
Nitrogen Oxide	R19	2	10	19	73	10	166								6.6324										6.6324	10.69742
Nitrogen Oxide	R19	2	11	20	70	10	166								6.6041										6.6041	10.65177
Nitrogen Oxide	R19	2	12	20	68	10	166								6.6391										6.6391	10.70823
Nitrogen Oxide	R19	2	13	21	65	10	166								6.6153										6.6153	10.66984
Nitrogen Oxide	R19	2	14	21	65	10	166								6.6153										6.6153	10.66984
Nitrogen Oxide	R19	2	15	21	66	10	166								6.5966										6.5966	10.63968
Nitrogen Oxide	R19	2	16	20	68	10	166								6.6391										6.6391	10.70823
Nitrogen Oxide	R19	2	17	20	70	10	166								6.6041										6.6041	10.65177
Nitrogen Oxide	R19	2	18	19	74	10	166								6.6161										6.6161	10.67113
Nitrogen Oxide	R19	2	19	18	76	10	166								6.6625										6.6625	10.74597
Nitrogen Oxide	R19	2	20	18	78	10	166								6.6318										6.6318	10.69645
Nitrogen Oxide	R19	2	21	18	78	10	166								6.6318										6.6318	10.69645
Nitrogen Oxide	R19	2	22	18	78	10	166								6.6318										6.6318	10.69645
Nitrogen Oxide	R19	2	23	18	78	10	166								6.6318										6.6318	10.69645
Nitrogen Oxide	R19	2	24	18	78	10	0								6.6318										0	0
Nitrogen Oxide	R19	3	1	21	86	10	0								6.2239										0	0
Nitrogen Oxide	R19	3	2	20	87	10	0								6.3072										0	0
Nitrogen Oxide	R19	3	3	20	87	10	0								6.3072										0	0
Nitrogen Oxide	R19	3	4	20	87	10	0								6.3072										0	0
Nitrogen Oxide	R19	3	5	20	87	10	0								6.3072										0	0
Nitrogen Oxide	R19	3	6	20	87	10	0								6.3072										0	0
Nitrogen Oxide	R19	3	7	20	87	10	0								6.3072										0	0
Nitrogen Oxide	R19	3	8	20	86	10	166								6.3246										6.3246	10.20097
Nitrogen Oxide	R19	3	9	21	83	10	166								6.2798										6.2798	10.12871
Nitrogen Oxide	R19	3	10	22	79	10	166								6.2564										6.2564	10.09097
Nitrogen Oxide	R19	3	11	22	78	10	166								6.2763										6.2763	10.12306
Nitrogen Oxide	R19	3	12	23	77	10	166								6.1951										6.1951	9.9921
Nitrogen Oxide	R19	3	13	23	77	10	166								6.1951										6.1951	9.9921
Nitrogen Oxide	R19	3	14	23	77	10	166								6.1951										6.1951	9.9921
Nitrogen Oxide	R19	3	15	23	76	10	166								6.2164										6.2164	10.02645
Nitrogen Oxide	R19	3	16	23	77	10	166								6.1951										6.1951	9.9921
Nitrogen Oxide	R19	3	17	22	79	10	166								6.2564										6.2564	10.09097
Nitrogen Oxide	R19	3	18	22	82	10	166								6.1968										6.1968	9.99484
Nitrogen Oxide	R19	3	19	21	84	10	166								6.2612										6.2612	10.09871
Nitrogen Oxide	R19	3	20	21	85	10	166								6.2425										6.2425	10.06855
Nitrogen Oxide	R19	3	21	21	86	10	166								6.2239										6.2239	10.03855
Nitrogen Oxide	R19	3	22	21	86	10	166								6.2239										6.2239	10.03855
Nitrogen Oxide	R19	3	23	21	85	10	166								6.2425										6.2425	10.06855
Nitrogen Oxide	R19	3	24	21	86	10	0								6.2239										0	0
Nitrogen Oxide	R19	4	1	20	83	10	0								6.377										0	0
Nitrogen Oxide	R19	4	2	20	85	10	0								6.3421										0	0
Nitrogen Oxide	R19	4	3	20	84	10	0								6.3596										0	0
Nitrogen Oxide	R19	4	4	20	85	10	0								6.3421										0	0
Nitrogen Oxide	R19	4	5	19	84	10	0								6.4525										0	0
Nitrogen Oxide	R19	4	6	19	84	10	0								6.4525										0	0
Nitrogen Oxide	R19	4	7	20	84	10	0								6.3596										0	0
Nitrogen Oxide	R19	4	8	21	79	10	166								6.3544										6.3544	10.24903
Nitrogen Oxide	R19	4	9	22	73	10	166								6.3756										6.3756	10.28323
Nitrogen Oxide	R19	4	10	23	69	10	166								6.3646										6.3646	10.26548
Nitrogen Oxide	R19	4	11	23	68	10	166								6.3858										6.3858	10.29968
Nitrogen Oxide	R19	4	12	24	66	10	166								6.3367										6.3367	10.22048
Nitrogen Oxide	R19	4	13	24	65	10	166								6.3593										6.3593	10.25694
Nitrogen Oxide	R19	4	14	24	66	10	166								6.3367										6.3367	10.22048
Nitrogen Oxide	R19	4	15	24	66	10	166								6.3367										6.3367	10.22048
Nitrogen Oxide	R19	4	16	24	67	10	166								6.3141										6.3141	10.18403
Nitrogen Oxide	R19	4	17	23	69	10	166								6.3646										6.3646	10.26548
Nitrogen Oxide	R19	4	18	22	74	10	166								6.3558										6.3558	10.25129
Nitrogen Oxide	R19	4	19	22	76	10	166								6.316										6.316	10.1871
Nitrogen Oxide	R19	4	20	21	79	10	166								6.3544										6.3544	10.24903
Nitrogen Oxide	R19	4	21	21	80	10	166								6.3357										6.3357	10.21887
Nitrogen Oxide	R19	4	22	21	81	10	166								6.3171										6.3171	10.18887
Nitrogen Oxide	R19	4	23	21	82	10	166								6.2985										6.2985	10.15887
Nitrogen Oxide	R19	4	24	20	82	10	0								6.3945										0	0
Nitrogen Oxide	R19	5	1	26	91	10	0								5.4988										0	0
Nitrogen Oxide	R19	5	2	25	92	10	0								5.6151										0	0
Nitrogen Oxide	R19	5	3	25	92	10	0								5.6151										0	0
Nitrogen Oxide	R19	5	4	25	91	10	0								5.6392										0	0
Nitrogen Oxide	R19	5	5	25	92	10	0								5.6151										0	0
Nitrogen Oxide	R19	5	6	25	93	10	0								5.5911										0	0
Nitrogen Oxide	R19	5	7	26	91	10	0								5.4988										0	0
Nitrogen Oxide	R19	5	8	27	85	10	166								5.5142										5.5142	8.89387
Nitrogen Oxide	R19	5	9	28	80	10	166								5.5136										5.5136	8.8929
Nitrogen Oxide	R19	5	10	28	78	10	166								5.5714										5.5714	8.98613
Nitrogen Oxide	R19	5	11	29	77	10	166								5.462										5.462	8.80968
Nitrogen Oxide	R19	5	12	29	75	10	166								5.5234										5.5234	8.90871
Nitrogen Oxide	R19	5	13	29	74	10	166								5.5541										5.5541	8.95823
Nitrogen Oxide	R19	5	14	29	75	10	166								5.5234										5.5234	8.90871
Nitrogen Oxide	R19	5	15	29	75	10	166								5.5234										5.5234	8.90871
Nitrogen Oxide	R19	5	16	29	77	10	166								5.462										5.462	8.80968
Nitrogen Oxide	R19	5	17	28	78	10	166								5.5714										5.5714	8.98613
Nitrogen Oxide	R19	5	18	28	81	10	166								5.4847										5.4847	8.84629
Nitrogen Oxide	R19	5	19	27	84	10	166								5.5415										5.5415	8.9379
Nitrogen Oxide	R19	5	20	27	87	10	166								5.4598										5.4598	8.80613
Nitrogen Oxide	R19	5	21	27	88	10	166								5.4326										5.4326	8.76226
Nitrogen Oxide	R19	5	22	26	89	10	166								5.55										5.55	8.95161
Nitrogen Oxide	R19	5	23	26	89	10	166								5.55										5.55	8.95161
Nitrogen Oxide	R19	5	24	26	90	10	0								5.5244										0	0
Nitrogen Oxide	R19	6	1	28	88	10	0								5.2823										0	0
Nitrogen Oxide	R19	6	2	27	89	10	0								5.4054										0	0
Nitrogen Oxide	R19	6	3	27	89	10	0								5.4054										0	0
Nitrogen Oxide	R19	6	4	27	88	10	0								5.4326										0	0
Nitrogen Oxide	R19	6	5	27	89	10	0								5.4054										0	0
Nitrogen Oxide	R19	6	6	27	90	10	0								5.3782										0	0
Nitrogen Oxide	R19	6	7	28	87	10	0								5.3111										0	0
Nitrogen Oxide	R19	6	8	29	82	10	166								5.3084										5.3084	8.56194
Nitrogen Oxide	R19	6	9	29	79	10	166								5.4006										5.4006	8.71065
Nitrogen Oxide	R19	6	10	30	76	10	166								5.3494										5.3494	8.62806
Nitrogen Oxide	R19	6	11	30	75	10	166								5.3819										5.3819	8.68048
Nitrogen Oxide	R19	6	12	30	74	10	166								5.4146										5.4146	8.73323
Nitrogen Oxide	R19	6	13	31	73	10	166								5.3027										5.3027	8.55274
Nitrogen Oxide	R19	6	14	31	72	10	166								5.3373										5.3373	8.60855
Nitrogen Oxide	R19	6	15	30	74	10	166								5.4146										5.4146	8.73323
Nitrogen Oxide	R19	6	16	30	74	10	166								5.4146										5.4146	8.73323
Nitrogen Oxide	R19	6	17	30	75	10	166								5.3819										5.3819	8.68048
Nitrogen Oxide	R19	6	18	29	79	10	166								5.4006										5.4006	8.71065
Nitrogen Oxide	R19	6	19	29	81	10	166								5.3392										5.3392	8.61161
Nitrogen Oxide	R19	6	20	28	83	10	166								5.4268										5.4268	8.7529
Nitrogen Oxide	R19	6	21	28	85	10	166								5.369										5.369	8.65968

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:
(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.
(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Oxide	R19	6	22	28	86	10	166								5.34										5.34	8.6129
Nitrogen Oxide	R19	6	23	28	87	10	166								5.3111										5.3111	8.56629
Nitrogen Oxide	R19	6	24	28	87	10	0								5.3111										0	0
Nitrogen Oxide	R19	7	1	28	84	10	0								5.3979										0	0
Nitrogen Oxide	R19	7	2	28	84	10	0								5.3979										0	0
Nitrogen Oxide	R19	7	3	28	86	10	0								5.34										0	0
Nitrogen Oxide	R19	7	4	28	86	10	0								5.34										0	0
Nitrogen Oxide	R19	7	5	28	88	10	0								5.2823										0	0
Nitrogen Oxide	R19	7	6	27	88	10	0								5.4326										0	0
Nitrogen Oxide	R19	7	7	28	86	10	0								5.34										0	0
Nitrogen Oxide	R19	7	8	29	81	10	166								5.3392										5.3392	8.61161
Nitrogen Oxide	R19	7	9	30	76	10	166								5.3494										5.3494	8.62806
Nitrogen Oxide	R19	7	10	31	70	10	166								5.4065										5.4065	8.72016
Nitrogen Oxide	R19	7	11	31	68	10	166								5.4757										5.4757	8.83177
Nitrogen Oxide	R19	7	12	32	67	10	166								5.3713										5.3713	8.66339
Nitrogen Oxide	R19	7	13	32	66	10	166								5.4079										5.4079	8.72242
Nitrogen Oxide	R19	7	14	32	66	10	166								5.4079										5.4079	8.72242
Nitrogen Oxide	R19	7	15	31	68	10	166								5.4757										5.4757	8.83177
Nitrogen Oxide	R19	7	16	31	69	10	166								5.441										5.441	8.77581
Nitrogen Oxide	R19	7	17	31	70	10	166								5.4065										5.4065	8.72016
Nitrogen Oxide	R19	7	18	30	73	10	166								5.4472										5.4472	8.78581
Nitrogen Oxide	R19	7	19	29	76	10	166								5.4927										5.4927	8.85919
Nitrogen Oxide	R19	7	20	29	79	10	166								5.4006										5.4006	8.71065
Nitrogen Oxide	R19	7	21	29	81	10	166								5.3392										5.3392	8.61161
Nitrogen Oxide	R19	7	22	29	82	10	166								5.3084										5.3084	8.56194
Nitrogen Oxide	R19	7	23	28	83	10	166								5.4268										5.4268	8.7529
Nitrogen Oxide	R19	7	24	28	84	10	0								5.3979										0	0
Nitrogen Oxide	R19	8	1	27	90	10	0								5.3782										0	0
Nitrogen Oxide	R19	8	2	26	90	10	0								5.5244										0	0
Nitrogen Oxide	R19	8	3	26	91	10	0								5.4988										0	0
Nitrogen Oxide	R19	8	4	26	92	10	0								5.4732										0	0
Nitrogen Oxide	R19	8	5	26	93	10	0								5.4477										0	0
Nitrogen Oxide	R19	8	6	26	94	10	0								5.422										0	0
Nitrogen Oxide	R19	8	7	26	93	10	0								5.4477										0	0
Nitrogen Oxide	R19	8	8	27	87	10	166								5.4598										5.4598	8.80613
Nitrogen Oxide	R19	8	9	29	81	10	166								5.3392										5.3392	8.61161
Nitrogen Oxide	R19	8	10	30	76	10	166								5.3494										5.3494	8.62806
Nitrogen Oxide	R19	8	11	30	73	10	166								5.4472										5.4472	8.78581
Nitrogen Oxide	R19	8	12	30	73	10	166								5.4472										5.4472	8.78581
Nitrogen Oxide	R19	8	13	30	74	10	166								5.4146										5.4146	8.73323
Nitrogen Oxide	R19	8	14	30	74	10	166								5.4146										5.4146	8.73323
Nitrogen Oxide	R19	8	15	30	75	10	166								5.3819										5.3819	8.68048
Nitrogen Oxide	R19	8	16	29	77	10	166								5.462										5.462	8.80968
Nitrogen Oxide	R19	8	17	29	79	10	166								5.4006										5.4006	8.71065
Nitrogen Oxide	R19	8	18	28	80	10	166								5.5136										5.5136	8.8929
Nitrogen Oxide	R19	8	19	28	82	10	166								5.4557										5.4557	8.79952
Nitrogen Oxide	R19	8	20	28	84	10	166								5.3979										5.3979	8.70629
Nitrogen Oxide	R19	8	21	27	85	10	166								5.5142										5.5142	8.89387
Nitrogen Oxide	R19	8	22	27	87	10	166								5.4598										5.4598	8.80613
Nitrogen Oxide	R19	8	23	27	88	10	166								5.4326										5.4326	8.76226
Nitrogen Oxide	R19	8	24	27	89	10	0								5.4054										0	0
Nitrogen Oxide	R19	9	1	27	89	10	0								5.4054										0	0
Nitrogen Oxide	R19	9	2	26	89	10	0								5.55										0	0
Nitrogen Oxide	R19	9	3	26	91	10	0								5.4988										0	0
Nitrogen Oxide	R19	9	4	26	92	10	0								5.4732										0	0
Nitrogen Oxide	R19	9	5	26	92	10	0								5.4732										0	0
Nitrogen Oxide	R19	9	6	26	93	10	0								5.4477										0	0
Nitrogen Oxide	R19	9	7	26	93	10	0								5.4477										0	0
Nitrogen Oxide	R19	9	8	27	88	10	166								5.4326										5.4326	8.76226
Nitrogen Oxide	R19	9	9	28	83	10	166								5.4268										5.4268	8.7529
Nitrogen Oxide	R19	9	10	29	78	10	166								5.4313										5.4313	8.76016
Nitrogen Oxide	R19	9	11	29	76	10	166								5.4927										5.4927	8.85919
Nitrogen Oxide	R19	9	12	29	76	10	166								5.4927										5.4927	8.85919
Nitrogen Oxide	R19	9	13	30	75	10	166								5.3819										5.3819	8.68048
Nitrogen Oxide	R19	9	14	29	77	10	166								5.5234										5.5234	8.90871
Nitrogen Oxide	R19	9	15	29	77	10	166								5.462										5.462	8.80968
Nitrogen Oxide	R19	9	16	29	76	10	166								5.4927										5.4927	8.85919
Nitrogen Oxide	R19	9	17	29	78	10	166								5.4313										5.4313	8.76016
Nitrogen Oxide	R19	9	18	28	81	10	166								5.4847										5.4847	8.84629
Nitrogen Oxide	R19	9	19	27	84	10	166								5.5415										5.5415	8.9379
Nitrogen Oxide	R19	9	20	27	86	10	166								5.487										5.487	8.85
Nitrogen Oxide	R19	9	21	27	87	10	166								5.4598										5.4598	8.80613
Nitrogen Oxide	R19	9	22	27	89	10	166								5.4054										5.4054	8.71839
Nitrogen Oxide	R19	9	23	27	89	10	166								5.4054										5.4054	8.71839
Nitrogen Oxide	R19	9	24	26	89	10	0								5.55										0	0
Nitrogen Oxide	R19	10	1	24	74	10	0								6.1561										0	0
Nitrogen Oxide	R19	10	2	23	74	10	0								6.2587										0	0
Nitrogen Oxide	R19	10	3	23	74	10	0								6.2587										0	0
Nitrogen Oxide	R19	10	4	23	75	10	0								6.2375										0	0
Nitrogen Oxide	R19	10	5	23	74	10	0								6.2587										0	0
Nitrogen Oxide	R19	10	6	23	75	10	0								6.2375										0	0
Nitrogen Oxide	R19	10	7	23	75	10	0								6.2375										0	0
Nitrogen Oxide	R19	10	8	23	72	10	166								6.301										6.301	10.1629
Nitrogen Oxide	R19	10	9	24	69	10	166								6.269										6.269	10.11129
Nitrogen Oxide	R19	10	10	25	64	10	166								6.2882										6.2882	10.14226
Nitrogen Oxide	R19	10	11	26	61	10	166								6.2663										6.2663	10.10694
Nitrogen Oxide	R19	10	12	27	60	10	166								6.1944										6.1944	9.99097
Nitrogen Oxide	R19	10	13	27	59	10	166								6.2216										6.2216	10.03484
Nitrogen Oxide	R19	10	14	27	59	10	166								6.2216										6.2216	10.03484
Nitrogen Oxide	R19	10	15	27	60	10	166								6.1944										6.1944	9.99097
Nitrogen Oxide	R19	10	16	27	62	10	166								6.14										6.14	9.90323
Nitrogen Oxide	R19	10	17	26	65	10	166								6.1639										6.1639	9.94177
Nitrogen Oxide	R19	10	18	25	67	10	166								6.2161										6.2161	10.02597
Nitrogen Oxide	R19	10	19	25	69	10	166								6.168										6.168	9.94839
Nitrogen Oxide	R19	10	20	25	71	10	166								6.1199										6.1199	9.87081
Nitrogen Oxide	R19	10	21	24	71	10	166								6.2238										6.2238	10.03839
Nitrogen Oxide	R19	10	22	24	71	10	166								6.2238										6.2238	10.03839
Nitrogen Oxide	R19	10	23	24	72	10	166								6.2013										6.2013	10.0021
Nitrogen Oxide	R19	10	24	24	72	10	0								6.2013										0	0
Nitrogen Oxide	R19	11	1	21	75	10	0								6.4289										0	0
Nitrogen Oxide	R19	11	2	21	74	10	0								6.4476										0	0
Nitrogen Oxide	R19	11	3	21	74	10	0								6.4476										0	0
Nitrogen Oxide	R19	11	4	21	74	10	0								6.4476										0	0
Nitrogen Oxide	R19	11	5	21	74	10	0								6.4476										0	0
Nitrogen Oxide	R19	11	6	21	73	10	0								6.4662										0	0
Nitrogen Oxide	R19	11	7	21	73	10	0								6.4662										0	0
Nitrogen Oxide	R19	11	8	21	70	10	166								6.5221										6.5221	10.51952
Nitrogen Oxide	R19	11	9	22	66	10	166								6.5148										6.5148	10.50774
Nitrogen Oxide	R19	11	10	23	61	10	166								6.5342										6.5342	10.53903
Nitrogen Oxide	R19	11	11	25	57	10	166								6.4565										6.4565	10.41371
Nitrogen Oxide	R19	11	12	25	56	10	166								6.4806										6.4806	10.45258
Nitrogen Oxide	R19	11	13	25	56	10	166								6.4806										6.4806	10.45258
Nitrogen Oxide	R19	11	14	26	56	10	166								6.3942										6.3942	10.31323
Nitrogen Oxide	R19	11	15	26	57	10	166								6.3686										6.3686	10.27194
Nitrogen Oxide	R19	11	16	25	58	10	166								6.4325										6.4325	10.375
Nitrogen Oxide	R19	11	17	24	63	10	166								6.4045										6.4045	10.32984
Nitrogen Oxide	R19	11	18	23	66	10	166								6.4282										6.4282	10.36806
Nitrogen Oxide	R19	11	19	23	70	10	166								6.3435										6.3435	10.23145
Nitrogen Oxide	R19	11	20	22	70	10	166								6.4353										6.4353	10.37952
Nitrogen Oxide	R19	11	21	22	72	10	166								6.3955										6.3955	10.31532
Nitrogen Oxide	R19	11	22	22	74	10	166								6.3558										6.3558	10.25129
Nitrogen Oxide	R19	11	23	22	74	10	166								6.3558										6.3558	10.25129
Nitrogen Oxide	R19	11	24	21	74	10	0								6.4476										0	0
Nitrogen Oxide	R19	12	1	16	68	10	0								6.9143										0	0
Nitrogen Oxide	R19	12	2	16	69	10	0								6.9009										0	0
Nitrogen Oxide	R19	12	3	16	69	10	0								6.9009										0	0
Nitrogen Oxide	R19	12	4	15	70	10	0								6.9481										0	0
Nitrogen Oxide	R19	12	5	15	70	10	0								6.9481										0	0
Nitrogen Oxide	R19	12	6	15	70	10	0								6.9481										0	0
Nitrogen Oxide	R19	12	7	15	70	10	0								6.9481										0	0
Nitrogen Oxide	R19	12	8	15	69	10	166								6.9607										6.9607	11.22694
Nitrogen Oxide	R19	12	9	16	65	10	166								6.9546										6.9546	11.2171
Nitrogen Oxide	R19	12	10	17	62	10	166								6.9377										6.9377	11.18984
Nitrogen Oxide	R19	12	11	18	58	10	166								6.9382										6.9382	11.19065
Nitrogen Oxide	R19	12	12	19	57	10	166								6.8942										6.8942	11.11968
Nitrogen Oxide	R19	12	13	19	56	10	166								6.9105										6.9105	11.14597
Nitrogen Oxide	R19	12	14	19	56	10	166								6.9105										6.9105	11.14597
Nitrogen Oxide	R19	12	15	19	56	10	166								6.9105										6.9105	11.14597
Nitrogen Oxide	R19	12	16	19	57	10	166								6.8942										6.8942	11.11968
Nitrogen Oxide	R19	12	17	18	60	10	166								6.9076										6.9076	11.14129
Nitrogen Oxide	R19	12	18	18	64	10	166								6.8463										6.8463	11.04242
Nitrogen Oxide	R19	12	19	17	65	10	166								6.8947										6.8947	11.12048
Nitrogen Oxide	R19	12	20	17	66	10	166								6.8803										6.8803	11.09726
Nitrogen Oxide	R19	12	21	17	66	10	166								6.8803										6.8803	11.09726
Nitrogen Oxide	R19	12	22	16	66	10	166								6.9412										6.9412	11.19548
Nitrogen Oxide	R19	12	23	16	66	10	166								6.9412										6.9412	11.19548
Nitrogen Oxide	R19	12	24	16	67	10	0								6.9278										0	0
Nitrogen Oxide	R20	1	1	17	76	10	0								6.737										0	0
Nitrogen Oxide	R20	1	2	17	77	10	0								6.7226										0	0

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:
(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.
(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Oxide	R20	1	3	17	77	10	0								6.7226										0	0
Nitrogen Oxide	R20	1	4	17	77	10	0								6.7226										0	0
Nitrogen Oxide	R20	1	5	17	78	10	0								6.7083										0	0
Nitrogen Oxide	R20	1	6	17	77	10	0								6.7226										0	0
Nitrogen Oxide	R20	1	7	16	77	10	0								6.7935										0	0
Nitrogen Oxide	R20	1	8	17	77	10	8								6.7226										6.7226	10.8429
Nitrogen Oxide	R20	1	9	17	73	10	8								6.7799										6.7799	10.93532
Nitrogen Oxide	R20	1	10	19	69	10	8								6.6978										6.6978	10.8029
Nitrogen Oxide	R20	1	11	20	64	10	8								6.7089										6.7089	10.82081
Nitrogen Oxide	R20	1	12	21	62	10	8								6.6712										6.6712	10.76
Nitrogen Oxide	R20	1	13	21	61	10	8								6.6898										6.6898	10.79
Nitrogen Oxide	R20	1	14	21	62	10	8								6.6712										6.6712	10.76
Nitrogen Oxide	R20	1	15	21	62	10	8								6.6712										6.6712	10.76
Nitrogen Oxide	R20	1	16	21	63	10	8								6.6526										6.6526	10.73
Nitrogen Oxide	R20	1	17	20	67	10	8								6.6565										6.6565	10.73629
Nitrogen Oxide	R20	1	18	19	72	10	8								6.6488										6.6488	10.72387
Nitrogen Oxide	R20	1	19	18	74	10	8								6.693										6.693	10.79516
Nitrogen Oxide	R20	1	20	18	74	10	8								6.693										6.693	10.79516
Nitrogen Oxide	R20	1	21	18	75	10	8								6.6778										6.6778	10.77065
Nitrogen Oxide	R20	1	22	18	76	10	8								6.6625										6.6625	10.74597
Nitrogen Oxide	R20	1	23	18	75	10	8								6.6778										6.6778	10.77065
Nitrogen Oxide	R20	1	24	17	76	10	0								6.737										0	0
Nitrogen Oxide	R20	2	1	17	78	10	0								6.7083										0	0
Nitrogen Oxide	R20	2	2	17	80	10	0								6.6795										0	0
Nitrogen Oxide	R20	2	3	17	81	10	0								6.6652										0	0
Nitrogen Oxide	R20	2	4	17	82	10	0								6.6509										0	0
Nitrogen Oxide	R20	2	5	16	83	10	0								6.7131										0	0
Nitrogen Oxide	R20	2	6	16	83	10	0								6.7131										0	0
Nitrogen Oxide	R20	2	7	16	83	10	0								6.7131										0	0
Nitrogen Oxide	R20	2	8	17	81	10	8								6.6652										6.6652	10.75032
Nitrogen Oxide	R20	2	9	18	77	10	8								6.6471										6.6471	10.72113
Nitrogen Oxide	R20	2	10	19	73	10	8								6.6324										6.6324	10.69742
Nitrogen Oxide	R20	2	11	20	70	10	8								6.6041										6.6041	10.65177
Nitrogen Oxide	R20	2	12	20	68	10	8								6.6391										6.6391	10.70823
Nitrogen Oxide	R20	2	13	21	65	10	8								6.6153										6.6153	10.66984
Nitrogen Oxide	R20	2	14	21	65	10	8								6.6153										6.6153	10.66984
Nitrogen Oxide	R20	2	15	21	66	10	8								6.5966										6.5966	10.63968
Nitrogen Oxide	R20	2	16	20	68	10	8								6.6391										6.6391	10.70823
Nitrogen Oxide	R20	2	17	20	70	10	8								6.6041										6.6041	10.65177
Nitrogen Oxide	R20	2	18	19	74	10	8								6.6161										6.6161	10.67113
Nitrogen Oxide	R20	2	19	18	76	10	8								6.6625										6.6625	10.74597
Nitrogen Oxide	R20	2	20	18	78	10	8								6.6318										6.6318	10.69645
Nitrogen Oxide	R20	2	21	18	78	10	8								6.6318										6.6318	10.69645
Nitrogen Oxide	R20	2	22	18	78	10	8								6.6318										6.6318	10.69645
Nitrogen Oxide	R20	2	23	18	78	10	8								6.6318										6.6318	10.69645
Nitrogen Oxide	R20	2	24	18	78	10	0								6.6318										0	0
Nitrogen Oxide	R20	3	1	21	86	10	0								6.2239										0	0
Nitrogen Oxide	R20	3	2	20	87	10	0								6.3072										0	0
Nitrogen Oxide	R20	3	3	20	87	10	0								6.3072										0	0
Nitrogen Oxide	R20	3	4	20	87	10	0								6.3072										0	0
Nitrogen Oxide	R20	3	5	20	87	10	0								6.3072										0	0
Nitrogen Oxide	R20	3	6	20	87	10	0								6.3072										0	0
Nitrogen Oxide	R20	3	7	20	87	10	0								6.3072										0	0
Nitrogen Oxide	R20	3	8	20	86	10	8								6.3246										6.3246	10.20097
Nitrogen Oxide	R20	3	9	21	83	10	8								6.2798										6.2798	10.12871
Nitrogen Oxide	R20	3	10	22	79	10	8								6.2564										6.2564	10.09097
Nitrogen Oxide	R20	3	11	22	78	10	8								6.2763										6.2763	10.12306
Nitrogen Oxide	R20	3	12	23	77	10	8								6.1951										6.1951	9.9921
Nitrogen Oxide	R20	3	13	23	77	10	8								6.1951										6.1951	9.9921
Nitrogen Oxide	R20	3	14	23	77	10	8								6.1951										6.1951	9.9921
Nitrogen Oxide	R20	3	15	23	76	10	8								6.2164										6.2164	10.02645
Nitrogen Oxide	R20	3	16	23	77	10	8								6.1951										6.1951	9.9921
Nitrogen Oxide	R20	3	17	22	79	10	8								6.2564										6.2564	10.09097
Nitrogen Oxide	R20	3	18	22	82	10	8								6.1968										6.1968	9.99484
Nitrogen Oxide	R20	3	19	21	84	10	8								6.2612										6.2612	10.09871
Nitrogen Oxide	R20	3	20	21	85	10	8								6.2425										6.2425	10.06855
Nitrogen Oxide	R20	3	21	21	86	10	8								6.2239										6.2239	10.03855
Nitrogen Oxide	R20	3	22	21	86	10	8								6.2239										6.2239	10.03855
Nitrogen Oxide	R20	3	23	21	85	10	8								6.2425										6.2425	10.06855
Nitrogen Oxide	R20	3	24	21	86	10	0								6.2239										0	0
Nitrogen Oxide	R20	4	1	20	83	10	0								6.377										0	0
Nitrogen Oxide	R20	4	2	20	85	10	0								6.3421										0	0
Nitrogen Oxide	R20	4	3	20	84	10	0								6.3596										0	0
Nitrogen Oxide	R20	4	4	20	85	10	0								6.3421										0	0
Nitrogen Oxide	R20	4	5	19	84	10	0								6.4525										0	0
Nitrogen Oxide	R20	4	6	19	84	10	0								6.4525										0	0
Nitrogen Oxide	R20	4	7	20	84	10	0								6.3596										0	0
Nitrogen Oxide	R20	4	8	21	79	10	8								6.3544										6.3544	10.24903
Nitrogen Oxide	R20	4	9	22	73	10	8								6.3756										6.3756	10.28323
Nitrogen Oxide	R20	4	10	23	69	10	8								6.3646										6.3646	10.26548
Nitrogen Oxide	R20	4	11	23	68	10	8								6.3858										6.3858	10.29968
Nitrogen Oxide	R20	4	12	24	66	10	8								6.3367										6.3367	10.22048
Nitrogen Oxide	R20	4	13	24	65	10	8								6.3593										6.3593	10.25694
Nitrogen Oxide	R20	4	14	24	66	10	8								6.3367										6.3367	10.22048
Nitrogen Oxide	R20	4	15	24	66	10	8								6.3367										6.3367	10.22048
Nitrogen Oxide	R20	4	16	24	67	10	8								6.3141										6.3141	10.18403
Nitrogen Oxide	R20	4	17	23	69	10	8								6.3646										6.3646	10.26548
Nitrogen Oxide	R20	4	18	22	74	10	8								6.3558										6.3558	10.25129
Nitrogen Oxide	R20	4	19	22	76	10	8								6.316										6.316	10.1871
Nitrogen Oxide	R20	4	20	21	79	10	8								6.3544										6.3544	10.24903
Nitrogen Oxide	R20	4	21	21	80	10	8								6.3357										6.3357	10.21887
Nitrogen Oxide	R20	4	22	21	81	10	8								6.3171										6.3171	10.18887
Nitrogen Oxide	R20	4	23	21	82	10	8								6.2985										6.2985	10.15887
Nitrogen Oxide	R20	4	24	20	82	10	0								6.3945										0	0
Nitrogen Oxide	R20	5	1	26	91	10	0								5.4988										0	0
Nitrogen Oxide	R20	5	2	25	92	10	0								5.6151										0	0
Nitrogen Oxide	R20	5	3	25	92	10	0								5.6151										0	0
Nitrogen Oxide	R20	5	4	25	91	10	0								5.6392										0	0
Nitrogen Oxide	R20	5	5	25	92	10	0								5.6151										0	0
Nitrogen Oxide	R20	5	6	25	93	10	0								5.5911										0	0
Nitrogen Oxide	R20	5	7	26	91	10	0								5.4988										0	0
Nitrogen Oxide	R20	5	8	27	85	10	8								5.5142										5.5142	8.89387
Nitrogen Oxide	R20	5	9	28	80	10	8								5.5136										5.5136	8.8929
Nitrogen Oxide	R20	5	10	28	78	10	8								5.5714										5.5714	8.98613
Nitrogen Oxide	R20	5	11	29	77	10	8								5.462										5.462	8.80968
Nitrogen Oxide	R20	5	12	29	75	10	8								5.5234										5.5234	8.90871
Nitrogen Oxide	R20	5	13	29	74	10	8								5.5541										5.5541	8.95823
Nitrogen Oxide	R20	5	14	29	75	10	8								5.5234										5.5234	8.90871
Nitrogen Oxide	R20	5	15	29	75	10	8								5.5234										5.5234	8.90871
Nitrogen Oxide	R20	5	16	29	77	10	8								5.462										5.462	8.80968
Nitrogen Oxide	R20	5	17	28	78	10	8								5.5714										5.5714	8.98613
Nitrogen Oxide	R20	5	18	28	81	10	8								5.4847										5.4847	8.84629
Nitrogen Oxide	R20	5	19	27	84	10	8								5.5415										5.5415	8.9379
Nitrogen Oxide	R20	5	20	27	87	10	8								5.4598										5.4598	8.80613
Nitrogen Oxide	R20	5	21	27	88	10	8								5.4326										5.4326	8.76226
Nitrogen Oxide	R20	5	22	26	89	10	8								5.55										5.55	8.95161
Nitrogen Oxide	R20	5	23	26	89	10	8								5.55										5.55	8.95161
Nitrogen Oxide	R20	5	24	26	90	10	0								5.5244										0	0
Nitrogen Oxide	R20	6	1	28	88	10	0								5.2823										0	0
Nitrogen Oxide	R20	6	2	27	89	10	0								5.4054										0	0
Nitrogen Oxide	R20	6	3	27	89	10	0								5.4054										0	0
Nitrogen Oxide	R20	6	4	27	88	10	0								5.4326										0	0
Nitrogen Oxide	R20	6	5	27	89	10	0								5.4054										0	0
Nitrogen Oxide	R20	6	6	27	90	10	0								5.3782										0	0
Nitrogen Oxide	R20	6	7	28	87	10	0								5.3111										0	0
Nitrogen Oxide	R20	6	8	29	82	10	8								5.3084										5.3084	8.56194
Nitrogen Oxide	R20	6	9	29	79	10	8								5.4006										5.4006	8.71065
Nitrogen Oxide	R20	6	10	30	76	10	8								5.3494										5.3494	8.62806
Nitrogen Oxide	R20	6	11	30	75	10	8								5.3819										5.3819	8.68048
Nitrogen Oxide	R20	6	12	30	74	10	8								5.4146										5.4146	8.73323
Nitrogen Oxide	R20	6	13	31	73	10	8								5.3027										5.3027	8.55274
Nitrogen Oxide	R20	6	14	31	72	10	8								5.3373										5.3373	8.60855
Nitrogen Oxide	R20	6	15	30	74	10	8								5.4146										5.4146	8.73323
Nitrogen Oxide	R20	6	16	30	74	10	8								5.4146										5.4146	8.73323
Nitrogen Oxide	R20	6	17	30	75	10	8								5.3819										5.3819	8.68048
Nitrogen Oxide	R20	6	18	29	79	10	8								5.4006										5.4006	8.71065
Nitrogen Oxide	R20	6	19	29	81	10	8								5.3392										5.3392	8.61161
Nitrogen Oxide	R20	6	20	28	83	10	8								5.4268										5.4268	8.7529
Nitrogen Oxide	R20	6	21	28	85	10	8								5.369										5.369	8.65968
Nitrogen Oxide	R20	6	22	28	86	10	8								5.34										5.34	8.6129
Nitrogen Oxide	R20	6	23	28	87	10	8								5.3111										5.3111	8.56629
Nitrogen Oxide	R20	6	24	28	87	10	0								5.3111										0	0
Nitrogen Oxide	R20	7	1	28	84	10	0								5.3979										0	0
Nitrogen Oxide	R20	7	2	28	84	10	0								5.3979										0	0
Nitrogen Oxide	R20	7	3	28	86	10	0								5.34										0	0
Nitrogen Oxide	R20	7	4	28	86	10	0								5.34										0	0
Nitrogen Oxide	R20	7	5	28	88	10	0								5.2823										0	0
Nitrogen Oxide	R20	7	6	27	88	10	0								5.4326										0	0
Nitrogen Oxide	R20	7	7	28	86	10	0								5.34										0	0

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:
(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.
(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Oxide	R20	7	8	29	81	10	8								5.3392										5.3392	8.61161
Nitrogen Oxide	R20	7	9	30	76	10	8								5.3494										5.3494	8.62806
Nitrogen Oxide	R20	7	10	31	70	10	8								5.4065										5.4065	8.72016
Nitrogen Oxide	R20	7	11	31	68	10	8								5.4757										5.4757	8.83177
Nitrogen Oxide	R20	7	12	32	67	10	8								5.3713										5.3713	8.66339
Nitrogen Oxide	R20	7	13	32	66	10	8								5.4079										5.4079	8.72242
Nitrogen Oxide	R20	7	14	32	66	10	8								5.4079										5.4079	8.72242
Nitrogen Oxide	R20	7	15	31	68	10	8								5.4757										5.4757	8.83177
Nitrogen Oxide	R20	7	16	31	69	10	8								5.441										5.441	8.77581
Nitrogen Oxide	R20	7	17	31	70	10	8								5.4065										5.4065	8.72016
Nitrogen Oxide	R20	7	18	30	73	10	8								5.4472										5.4472	8.78581
Nitrogen Oxide	R20	7	19	29	76	10	8								5.4927										5.4927	8.85919
Nitrogen Oxide	R20	7	20	29	79	10	8								5.4006										5.4006	8.71065
Nitrogen Oxide	R20	7	21	29	81	10	8								5.3392										5.3392	8.61161
Nitrogen Oxide	R20	7	22	29	82	10	8								5.3084										5.3084	8.56194
Nitrogen Oxide	R20	7	23	28	83	10	8								5.4268										5.4268	8.7529
Nitrogen Oxide	R20	7	24	28	84	10	0								5.3979										0	0
Nitrogen Oxide	R20	8	1	27	90	10	0								5.3782										0	0
Nitrogen Oxide	R20	8	2	26	90	10	0								5.5244										0	0
Nitrogen Oxide	R20	8	3	26	91	10	0								5.4988										0	0
Nitrogen Oxide	R20	8	4	26	92	10	0								5.4732										0	0
Nitrogen Oxide	R20	8	5	26	93	10	0								5.4477										0	0
Nitrogen Oxide	R20	8	6	26	94	10	0								5.422										0	0
Nitrogen Oxide	R20	8	7	26	93	10	0								5.4477										0	0
Nitrogen Oxide	R20	8	8	27	87	10	8								5.4598										5.4598	8.80613
Nitrogen Oxide	R20	8	9	29	81	10	8								5.3392										5.3392	8.61161
Nitrogen Oxide	R20	8	10	30	76	10	8								5.3494										5.3494	8.62806
Nitrogen Oxide	R20	8	11	30	73	10	8								5.4472										5.4472	8.78581
Nitrogen Oxide	R20	8	12	30	73	10	8								5.4472										5.4472	8.78581
Nitrogen Oxide	R20	8	13	30	74	10	8								5.4146										5.4146	8.73323
Nitrogen Oxide	R20	8	14	30	74	10	8								5.4146										5.4146	8.73323
Nitrogen Oxide	R20	8	15	30	75	10	8								5.3819										5.3819	8.68048
Nitrogen Oxide	R20	8	16	29	77	10	8								5.462										5.462	8.80968
Nitrogen Oxide	R20	8	17	29	79	10	8								5.4006										5.4006	8.71065
Nitrogen Oxide	R20	8	18	28	80	10	8								5.5136										5.5136	8.8929
Nitrogen Oxide	R20	8	19	28	82	10	8								5.4557										5.4557	8.79952
Nitrogen Oxide	R20	8	20	28	84	10	8								5.3979										5.3979	8.70629
Nitrogen Oxide	R20	8	21	27	85	10	8								5.5142										5.5142	8.89387
Nitrogen Oxide	R20	8	22	27	87	10	8								5.4598										5.4598	8.80613
Nitrogen Oxide	R20	8	23	27	88	10	8								5.4326										5.4326	8.76226
Nitrogen Oxide	R20	8	24	27	89	10	0								5.4054										0	0
Nitrogen Oxide	R20	9	1	27	89	10	0								5.4054										0	0
Nitrogen Oxide	R20	9	2	26	89	10	0								5.55										0	0
Nitrogen Oxide	R20	9	3	26	91	10	0								5.4988										0	0
Nitrogen Oxide	R20	9	4	26	92	10	0								5.4732										0	0
Nitrogen Oxide	R20	9	5	26	92	10	0								5.4732										0	0
Nitrogen Oxide	R20	9	6	26	93	10	0								5.4477										0	0
Nitrogen Oxide	R20	9	7	26	93	10	0								5.4477										0	0
Nitrogen Oxide	R20	9	8	27	88	10	8								5.4326										5.4326	8.76226
Nitrogen Oxide	R20	9	9	28	83	10	8								5.4268										5.4268	8.7529
Nitrogen Oxide	R20	9	10	29	78	10	8								5.4313										5.4313	8.76016
Nitrogen Oxide	R20	9	11	29	76	10	8								5.4927										5.4927	8.85919
Nitrogen Oxide	R20	9	12	29	76	10	8								5.4927										5.4927	8.85919
Nitrogen Oxide	R20	9	13	30	75	10	8								5.3819										5.3819	8.68048
Nitrogen Oxide	R20	9	14	29	75	10	8								5.5234										5.5234	8.90871
Nitrogen Oxide	R20	9	15	29	77	10	8								5.462										5.462	8.80968
Nitrogen Oxide	R20	9	16	29	76	10	8								5.4927										5.4927	8.85919
Nitrogen Oxide	R20	9	17	29	78	10	8								5.4313										5.4313	8.76016
Nitrogen Oxide	R20	9	18	28	81	10	8								5.4847										5.4847	8.84629
Nitrogen Oxide	R20	9	19	27	84	10	8								5.5415										5.5415	8.9379
Nitrogen Oxide	R20	9	20	27	86	10	8								5.487										5.487	8.85
Nitrogen Oxide	R20	9	21	27	87	10	8								5.4598										5.4598	8.80613
Nitrogen Oxide	R20	9	22	27	89	10	8								5.4054										5.4054	8.71839
Nitrogen Oxide	R20	9	23	27	89	10	8								5.4054										5.4054	8.71839
Nitrogen Oxide	R20	9	24	26	89	10	0								5.55										0	0
Nitrogen Oxide	R20	10	1	24	74	10	0								6.1561										0	0
Nitrogen Oxide	R20	10	2	23	74	10	0								6.2587										0	0
Nitrogen Oxide	R20	10	3	23	74	10	0								6.2587										0	0
Nitrogen Oxide	R20	10	4	23	75	10	0								6.2375										0	0
Nitrogen Oxide	R20	10	5	23	74	10	0								6.2587										0	0
Nitrogen Oxide	R20	10	6	23	75	10	0								6.2375										0	0
Nitrogen Oxide	R20	10	7	23	75	10	0								6.2375										0	0
Nitrogen Oxide	R20	10	8	23	72	10	8								6.301										6.301	10.1629
Nitrogen Oxide	R20	10	9	24	69	10	8								6.269										6.269	10.11129
Nitrogen Oxide	R20	10	10	25	64	10	8								6.2882										6.2882	10.14226
Nitrogen Oxide	R20	10	11	26	61	10	8								6.2663										6.2663	10.10694
Nitrogen Oxide	R20	10	12	27	60	10	8								6.1944										6.1944	9.99097
Nitrogen Oxide	R20	10	13	27	59	10	8								6.2216										6.2216	10.03484
Nitrogen Oxide	R20	10	14	27	59	10	8								6.2216										6.2216	10.03484
Nitrogen Oxide	R20	10	15	27	60	10	8								6.1944										6.1944	9.99097
Nitrogen Oxide	R20	10	16	27	62	10	8								6.14										6.14	9.90323
Nitrogen Oxide	R20	10	17	26	65	10	8								6.1639										6.1639	9.94177
Nitrogen Oxide	R20	10	18	25	67	10	8								6.2161										6.2161	10.02597
Nitrogen Oxide	R20	10	19	25	69	10	8								6.168										6.168	9.94839
Nitrogen Oxide	R20	10	20	25	71	10	8								6.1199										6.1199	9.87081
Nitrogen Oxide	R20	10	21	24	71	10	8								6.2238										6.2238	10.03839
Nitrogen Oxide	R20	10	22	24	71	10	8								6.2238										6.2238	10.03839
Nitrogen Oxide	R20	10	23	24	72	10	8								6.2013										6.2013	10.0021
Nitrogen Oxide	R20	10	24	24	72	10	0								6.2013										0	0
Nitrogen Oxide	R20	11	1	21	75	10	0								6.4289										0	0
Nitrogen Oxide	R20	11	2	21	74	10	0								6.4476										0	0
Nitrogen Oxide	R20	11	3	21	74	10	0								6.4476										0	0
Nitrogen Oxide	R20	11	4	21	74	10	0								6.4476										0	0
Nitrogen Oxide	R20	11	5	21	74	10	0								6.4476										0	0
Nitrogen Oxide	R20	11	6	21	73	10	0								6.4662										0	0
Nitrogen Oxide	R20	11	7	21	73	10	0								6.4662										0	0
Nitrogen Oxide	R20	11	8	21	70	10	8								6.5221										6.5221	10.51952
Nitrogen Oxide	R20	11	9	22	66	10	8								6.5148										6.5148	10.50774
Nitrogen Oxide	R20	11	10	23	61	10	8								6.5342										6.5342	10.53903
Nitrogen Oxide	R20	11	11	25	57	10	8								6.4565										6.4565	10.41371
Nitrogen Oxide	R20	11	12	25	56	10	8								6.4806										6.4806	10.45258
Nitrogen Oxide	R20	11	13	25	56	10	8								6.4806										6.4806	10.45258
Nitrogen Oxide	R20	11	14	26	56	10	8								6.3942										6.3942	10.31323
Nitrogen Oxide	R20	11	15	26	57	10	8								6.3686										6.3686	10.27194
Nitrogen Oxide	R20	11	16	25	58	10	8								6.4325										6.4325	10.375
Nitrogen Oxide	R20	11	17	24	63	10	8								6.4045										6.4045	10.32984
Nitrogen Oxide	R20	11	18	23	66	10	8								6.4282										6.4282	10.36806
Nitrogen Oxide	R20	11	19	23	70	10	8								6.3435										6.3435	10.23145
Nitrogen Oxide	R20	11	20	22	70	10	8								6.4353										6.4353	10.37952
Nitrogen Oxide	R20	11	21	22	72	10	8								6.3955										6.3955	10.31532
Nitrogen Oxide	R20	11	22	22	74	10	8								6.3558										6.3558	10.25129
Nitrogen Oxide	R20	11	23	22	74	10	8								6.3558										6.3558	10.25129
Nitrogen Oxide	R20	11	24	21	74	10	0								6.4476										0	0
Nitrogen Oxide	R20	12	1	16	68	10	0								6.9143										0	0
Nitrogen Oxide	R20	12	2	16	69	10	0								6.9009										0	0
Nitrogen Oxide	R20	12	3	16	69	10	0								6.9009										0	0
Nitrogen Oxide	R20	12	4	15	70	10	0								6.9481										0	0
Nitrogen Oxide	R20	12	5	15	70	10	0								6.9481										0	0
Nitrogen Oxide	R20	12	6	15	70	10	0								6.9481										0	0
Nitrogen Oxide	R20	12	7	15	70	10	0								6.9481										0	0
Nitrogen Oxide	R20	12	8	15	69	10	8								6.9607										6.9607	11.22694
Nitrogen Oxide	R20	12	9	16	65	10	8								6.9546										6.9546	11.2171
Nitrogen Oxide	R20	12	10	17	62	10	8								6.9377										6.9377	11.18984
Nitrogen Oxide	R20	12	11	18	58	10	8								6.9382										6.9382	11.19065
Nitrogen Oxide	R20	12	12	19	57	10	8								6.8942										6.8942	11.11968
Nitrogen Oxide	R20	12	13	19	56	10	8								6.9105										6.9105	11.14597
Nitrogen Oxide	R20	12	14	19	56	10	8								6.9105										6.9105	11.14597
Nitrogen Oxide	R20	12	15	19	56	10	8								6.9105										6.9105	11.14597
Nitrogen Oxide	R20	12	16	19	57	10	8								6.8942										6.8942	11.11968
Nitrogen Oxide	R20	12	17	18	60	10	8								6.9076										6.9076	11.14129
Nitrogen Oxide	R20	12	18	18	64	10	8								6.8463										6.8463	11.04242
Nitrogen Oxide	R20	12	19	17	65	10	8								6.8947										6.8947	11.12048
Nitrogen Oxide	R20	12	20	17	66	10	8								6.8803										6.8803	11.09726
Nitrogen Oxide	R20	12	21	17	66	10	8								6.8803										6.8803	11.09726
Nitrogen Oxide	R20	12	22	16	66	10	8								6.9412										6.9412	11.19548
Nitrogen Oxide	R20	12	23	16	66	10	8								6.9412										6.9412	11.19548
Nitrogen Oxide	R20	12	24	16	67	10	0								6.9278										0	0
Nitrogen Oxide	R21	1	1	17	76	10	132								6.737										6.737	10.86613
Nitrogen Oxide	R21	1	2	17	77	10	132								6.7226										6.7226	10.8429
Nitrogen Oxide	R21	1	3	17	77	10	132								6.7226										6.7226	10.8429
Nitrogen Oxide	R21	1	4	17	77	10	132								6.7226										6.7226	10.8429
Nitrogen Oxide	R21	1	5	17	78	10	132								6.7083										6.7083	10.81984
Nitrogen Oxide	R21	1	6	17	77	10	132								6.7226										6.7226	10.8429
Nitrogen Oxide	R21	1	7	16	77	10	132								6.7935										6.7935	10.95726
Nitrogen Oxide	R21	1	8	17	77	10	274								6.7226										6.7226	10.8429
Nitrogen Oxide	R21	1	9	17	73	10	274								6.7799										6.7799	10.93532
Nitrogen Oxide	R21	1	10	19	69	10	274								6.6978										6.6978	10.8029
Nitrogen Oxide	R21	1	11	20	64	10	274								6.7089										6.7089	10.82081
Nitrogen Oxide	R21	1	12	21	62	10	274								6.6712										6.6712	10.76

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:
(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.
(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Oxide	R21	1	13	21	61	10	274								6.6898										6.6898	10.79
Nitrogen Oxide	R21	1	14	21	62	10	274								6.6712										6.6712	10.76
Nitrogen Oxide	R21	1	15	21	62	10	274								6.6712										6.6712	10.76
Nitrogen Oxide	R21	1	16	21	63	10	274								6.6526										6.6526	10.73
Nitrogen Oxide	R21	1	17	20	67	10	274								6.6565										6.6565	10.73629
Nitrogen Oxide	R21	1	18	19	72	10	274								6.6488										6.6488	10.72387
Nitrogen Oxide	R21	1	19	18	74	10	274								6.693										6.693	10.79516
Nitrogen Oxide	R21	1	20	18	74	10	274								6.693										6.693	10.79516
Nitrogen Oxide	R21	1	21	18	75	10	274								6.6778										6.6778	10.77065
Nitrogen Oxide	R21	1	22	18	76	10	274								6.6625										6.6625	10.74597
Nitrogen Oxide	R21	1	23	18	75	10	274								6.6778										6.6778	10.77065
Nitrogen Oxide	R21	1	24	17	76	10	132								6.737										6.737	10.86613
Nitrogen Oxide	R21	2	1	17	78	10	132								6.7083										6.7083	10.81984
Nitrogen Oxide	R21	2	2	17	80	10	132								6.6795										6.6795	10.77339
Nitrogen Oxide	R21	2	3	17	81	10	132								6.6652										6.6652	10.75032
Nitrogen Oxide	R21	2	4	17	82	10	132								6.6509										6.6509	10.72726
Nitrogen Oxide	R21	2	5	16	83	10	132								6.7131										6.7131	10.82758
Nitrogen Oxide	R21	2	6	16	83	10	132								6.7131										6.7131	10.82758
Nitrogen Oxide	R21	2	7	16	83	10	132								6.7131										6.7131	10.82758
Nitrogen Oxide	R21	2	8	17	81	10	274								6.6652										6.6652	10.75032
Nitrogen Oxide	R21	2	9	18	77	10	274								6.6471										6.6471	10.72113
Nitrogen Oxide	R21	2	10	19	73	10	274								6.6324										6.6324	10.69742
Nitrogen Oxide	R21	2	11	20	70	10	274								6.6041										6.6041	10.65177
Nitrogen Oxide	R21	2	12	20	68	10	274								6.6391										6.6391	10.70823
Nitrogen Oxide	R21	2	13	21	65	10	274								6.6153										6.6153	10.66984
Nitrogen Oxide	R21	2	14	21	65	10	274								6.6153										6.6153	10.66984
Nitrogen Oxide	R21	2	15	21	66	10	274								6.5966										6.5966	10.63968
Nitrogen Oxide	R21	2	16	20	68	10	274								6.6391										6.6391	10.70823
Nitrogen Oxide	R21	2	17	20	70	10	274								6.6041										6.6041	10.65177
Nitrogen Oxide	R21	2	18	19	74	10	274								6.6161										6.6161	10.67113
Nitrogen Oxide	R21	2	19	18	76	10	274								6.6625										6.6625	10.74597
Nitrogen Oxide	R21	2	20	18	78	10	274								6.6318										6.6318	10.69645
Nitrogen Oxide	R21	2	21	18	78	10	274								6.6318										6.6318	10.69645
Nitrogen Oxide	R21	2	22	18	78	10	274								6.6318										6.6318	10.69645
Nitrogen Oxide	R21	2	23	18	78	10	274								6.6318										6.6318	10.69645
Nitrogen Oxide	R21	2	24	18	78	10	132								6.6318										6.6318	10.69645
Nitrogen Oxide	R21	3	1	21	86	10	132								6.2239										6.2239	10.03855
Nitrogen Oxide	R21	3	2	20	87	10	132								6.3072										6.3072	10.1729
Nitrogen Oxide	R21	3	3	20	87	10	132								6.3072										6.3072	10.1729
Nitrogen Oxide	R21	3	4	20	87	10	132								6.3072										6.3072	10.1729
Nitrogen Oxide	R21	3	5	20	87	10	132								6.3072										6.3072	10.1729
Nitrogen Oxide	R21	3	6	20	87	10	132								6.3072										6.3072	10.1729
Nitrogen Oxide	R21	3	7	20	87	10	132								6.3072										6.3072	10.1729
Nitrogen Oxide	R21	3	8	20	86	10	274								6.3246										6.3246	10.20097
Nitrogen Oxide	R21	3	9	21	83	10	274								6.2798										6.2798	10.12871
Nitrogen Oxide	R21	3	10	22	79	10	274								6.2564										6.2564	10.09097
Nitrogen Oxide	R21	3	11	22	78	10	274								6.2763										6.2763	10.12306
Nitrogen Oxide	R21	3	12	23	77	10	274								6.1951										6.1951	9.9921
Nitrogen Oxide	R21	3	13	23	77	10	274								6.1951										6.1951	9.9921
Nitrogen Oxide	R21	3	14	23	77	10	274								6.1951										6.1951	9.9921
Nitrogen Oxide	R21	3	15	23	76	10	274								6.2164										6.2164	10.02645
Nitrogen Oxide	R21	3	16	23	77	10	274								6.1951										6.1951	9.9921
Nitrogen Oxide	R21	3	17	22	79	10	274								6.2564										6.2564	10.09097
Nitrogen Oxide	R21	3	18	22	82	10	274								6.1968										6.1968	9.99484
Nitrogen Oxide	R21	3	19	21	84	10	274								6.2612										6.2612	10.09871
Nitrogen Oxide	R21	3	20	21	85	10	274								6.2425										6.2425	10.06855
Nitrogen Oxide	R21	3	21	21	86	10	274								6.2239										6.2239	10.03855
Nitrogen Oxide	R21	3	22	21	86	10	274								6.2239										6.2239	10.03855
Nitrogen Oxide	R21	3	23	21	85	10	274								6.2425										6.2425	10.06855
Nitrogen Oxide	R21	3	24	21	86	10	132								6.2239										6.2239	10.03855
Nitrogen Oxide	R21	4	1	20	83	10	132								6.377										6.377	10.28548
Nitrogen Oxide	R21	4	2	20	85	10	132								6.3421										6.3421	10.22919
Nitrogen Oxide	R21	4	3	20	84	10	132								6.3596										6.3596	10.25742
Nitrogen Oxide	R21	4	4	20	85	10	132								6.3421										6.3421	10.22919
Nitrogen Oxide	R21	4	5	19	84	10	132								6.4525										6.4525	10.40726
Nitrogen Oxide	R21	4	6	19	84	10	132								6.4525										6.4525	10.40726
Nitrogen Oxide	R21	4	7	20	84	10	132								6.3596										6.3596	10.25742
Nitrogen Oxide	R21	4	8	21	79	10	274								6.3544										6.3544	10.24903
Nitrogen Oxide	R21	4	9	22	73	10	274								6.3756										6.3756	10.28323
Nitrogen Oxide	R21	4	10	23	69	10	274								6.3646										6.3646	10.26548
Nitrogen Oxide	R21	4	11	23	68	10	274								6.3858										6.3858	10.29968
Nitrogen Oxide	R21	4	12	24	66	10	274								6.3367										6.3367	10.22048
Nitrogen Oxide	R21	4	13	24	65	10	274								6.3593										6.3593	10.25694
Nitrogen Oxide	R21	4	14	24	66	10	274								6.3367										6.3367	10.22048
Nitrogen Oxide	R21	4	15	24	66	10	274								6.3367										6.3367	10.22048
Nitrogen Oxide	R21	4	16	24	67	10	274								6.3141										6.3141	10.18403
Nitrogen Oxide	R21	4	17	23	69	10	274								6.3646										6.3646	10.26548
Nitrogen Oxide	R21	4	18	22	74	10	274								6.3558										6.3558	10.25129
Nitrogen Oxide	R21	4	19	22	76	10	274								6.316										6.316	10.1871
Nitrogen Oxide	R21	4	20	21	79	10	274								6.3544										6.3544	10.24903
Nitrogen Oxide	R21	4	21	21	80	10	274								6.3357										6.3357	10.21887
Nitrogen Oxide	R21	4	22	21	81	10	274								6.3171										6.3171	10.18887
Nitrogen Oxide	R21	4	23	21	82	10	274								6.2985										6.2985	10.15887
Nitrogen Oxide	R21	4	24	20	82	10	132								6.3945										6.3945	10.31371
Nitrogen Oxide	R21	5	1	26	91	10	132								5.4988										5.4988	8.86903
Nitrogen Oxide	R21	5	2	25	92	10	132								5.6151										5.6151	9.05661
Nitrogen Oxide	R21	5	3	25	92	10	132								5.6151										5.6151	9.05661
Nitrogen Oxide	R21	5	4	25	91	10	132								5.6392										5.6392	9.09548
Nitrogen Oxide	R21	5	5	25	92	10	132								5.6151										5.6151	9.05661
Nitrogen Oxide	R21	5	6	25	93	10	132								5.5911										5.5911	9.0179
Nitrogen Oxide	R21	5	7	26	91	10	132								5.4988										5.4988	8.86903
Nitrogen Oxide	R21	5	8	27	85	10	274								5.5142										5.5142	8.89387
Nitrogen Oxide	R21	5	9	28	80	10	274								5.5136										5.5136	8.8929
Nitrogen Oxide	R21	5	10	28	78	10	274								5.5714										5.5714	8.98613
Nitrogen Oxide	R21	5	11	29	77	10	274								5.462										5.462	8.80968
Nitrogen Oxide	R21	5	12	29	75	10	274								5.5234										5.5234	8.90871
Nitrogen Oxide	R21	5	13	29	74	10	274								5.5541										5.5541	8.95823
Nitrogen Oxide	R21	5	14	29	75	10	274								5.5234										5.5234	8.90871
Nitrogen Oxide	R21	5	15	29	75	10	274								5.5234										5.5234	8.90871
Nitrogen Oxide	R21	5	16	29	77	10	274								5.462										5.462	8.80968
Nitrogen Oxide	R21	5	17	28	78	10	274								5.5714										5.5714	8.98613
Nitrogen Oxide	R21	5	18	28	81	10	274								5.4847										5.4847	8.84629
Nitrogen Oxide	R21	5	19	27	84	10	274								5.5415										5.5415	8.9379
Nitrogen Oxide	R21	5	20	27	87	10	274								5.4598										5.4598	8.80613
Nitrogen Oxide	R21	5	21	27	88	10	274								5.4326										5.4326	8.76226
Nitrogen Oxide	R21	5	22	26	89	10	274								5.55										5.55	8.95161
Nitrogen Oxide	R21	5	23	26	89	10	274								5.55										5.55	8.95161
Nitrogen Oxide	R21	5	24	26	90	10	132								5.5244										5.5244	8.91032
Nitrogen Oxide	R21	6	1	28	88	10	132								5.2823										5.2823	8.51984
Nitrogen Oxide	R21	6	2	27	89	10	132								5.4054										5.4054	8.71839
Nitrogen Oxide	R21	6	3	27	89	10	132								5.4054										5.4054	8.71839
Nitrogen Oxide	R21	6	4	27	88	10	132								5.4326										5.4326	8.76226
Nitrogen Oxide	R21	6	5	27	89	10	132								5.4054										5.4054	8.71839
Nitrogen Oxide	R21	6	6	27	90	10	132								5.3782										5.3782	8.67452
Nitrogen Oxide	R21	6	7	28	87	10	132								5.5111										5.5111	8.56629
Nitrogen Oxide	R21	6	8	29	82	10	274								5.5084										5.5084	8.56194
Nitrogen Oxide	R21	6	9	29	79	10	274								5.4006										5.4006	8.71065
Nitrogen Oxide	R21	6	10	30	76	10	274								5.3494										5.3494	8.62806
Nitrogen Oxide	R21	6	11	30	75	10	274								5.3819										5.3819	8.68048
Nitrogen Oxide	R21	6	12	30	74	10	274								5.4146										5.4146	8.73323
Nitrogen Oxide	R21	6	13	31	73	10	274								5.3027										5.3027	8.55274
Nitrogen Oxide	R21	6	14	31	72	10	274								5.3373										5.3373	8.60855
Nitrogen Oxide	R21	6	15	30	74	10	274								5.4146										5.4146	8.73323
Nitrogen Oxide	R21	6	16	30	74	10	274								5.4146										5.4146	8.73323
Nitrogen Oxide	R21	6	17	30	75	10	274								5.3819										5.3819	8.68048
Nitrogen Oxide	R21	6	18	29	79	10	274								5.4006										5.4006	8.71065
Nitrogen Oxide	R21	6	19	29	81	10	274								5.3392										5.3392	8.61161
Nitrogen Oxide	R21	6	20	28	83	10	274								5.4268										5.4268	8.7529
Nitrogen Oxide	R21	6	21	28	85	10	274								5.369										5.369	8.65968
Nitrogen Oxide	R21	6	22	28	86	10	274								5.34										5.34	8.6129
Nitrogen Oxide	R21	6	23	28	87	10	274								5.3111										5.3111	8.56629
Nitrogen Oxide	R21	6	24	28	87	10	132								5.3111										5.3111	8.56629
Nitrogen Oxide	R21	7	1	28	84	10	132								5.3979										5.3979	8.70629
Nitrogen Oxide	R21	7	2	28	84	10	132								5.3979										5.3979	8.70629
Nitrogen Oxide	R21	7	3	28	86	10	132								5.34										5.34	8.6129
Nitrogen Oxide	R21	7	4	28	86	10	132								5.34										5.34	8.6129
Nitrogen Oxide	R21	7	5	28	88	10	132								5.2823										5.2823	8.51984
Nitrogen Oxide	R21	7	6	27	88	10	132								5.4326										5.4326	8.76226
Nitrogen Oxide	R21	7	7	28	86	10	132								5.34										5.34	8.6129
Nitrogen Oxide	R21	7	8	29	81	10	274								5.3392										5.3392	8.61161
Nitrogen Oxide	R21	7	9	30	76	10	274								5.3494										5.3494	8.62806
Nitrogen Oxide	R21	7	10	31	70	10	274								5.4065										5.4065	8.72016
Nitrogen Oxide	R21	7	11	31	68	10	274								5.4757										5.4757	8.83177
Nitrogen Oxide	R21	7	12	32	67	10	274								5.3713										5.3713	8.66339
Nitrogen Oxide	R21	7	13	32	66	10	274								5.4079										5.4079	8.72242
Nitrogen Oxide	R21	7	14	32	66	10	274								5.4079										5.4079	8.72242
Nitrogen Oxide	R21	7	15	31	68	10	274								5.4757										5.4757	8.83177
Nitrogen Oxide	R21	7	16	31	69	10	274								5.441										5.441	8.77581
Nitrogen Oxide	R21	7	17	31	70	10	274								5.4065										5.4065	8.72016

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:
(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.
(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Oxide	R21	7	18	30	73	10	274								5.4472										5.4472	8.78581
Nitrogen Oxide	R21	7	19	29	76	10	274								5.4927										5.4927	8.85919
Nitrogen Oxide	R21	7	20	29	79	10	274								5.4006										5.4006	8.71065
Nitrogen Oxide	R21	7	21	29	81	10	274								5.3392										5.3392	8.61161
Nitrogen Oxide	R21	7	22	29	82	10	274								5.3084										5.3084	8.56194
Nitrogen Oxide	R21	7	23	28	83	10	274								5.4268										5.4268	8.7529
Nitrogen Oxide	R21	7	24	28	84	10	132								5.3979										5.3979	8.70629
Nitrogen Oxide	R21	8	1	27	90	10	132								5.3782										5.3782	8.67452
Nitrogen Oxide	R21	8	2	26	90	10	132								5.5244										5.5244	8.91032
Nitrogen Oxide	R21	8	3	26	91	10	132								5.4988										5.4988	8.86903
Nitrogen Oxide	R21	8	4	26	92	10	132								5.4732										5.4732	8.82774
Nitrogen Oxide	R21	8	5	26	93	10	132								5.4477										5.4477	8.78661
Nitrogen Oxide	R21	8	6	26	94	10	132								5.422										5.422	8.74516
Nitrogen Oxide	R21	8	7	26	93	10	132								5.4477										5.4477	8.78661
Nitrogen Oxide	R21	8	8	27	87	10	274								5.4598										5.4598	8.80613
Nitrogen Oxide	R21	8	9	29	81	10	274								5.3392										5.3392	8.61161
Nitrogen Oxide	R21	8	10	30	76	10	274								5.3494										5.3494	8.62806
Nitrogen Oxide	R21	8	11	30	73	10	274								5.4472										5.4472	8.78581
Nitrogen Oxide	R21	8	12	30	73	10	274								5.4472										5.4472	8.78581
Nitrogen Oxide	R21	8	13	30	74	10	274								5.4146										5.4146	8.73323
Nitrogen Oxide	R21	8	14	30	74	10	274								5.4146										5.4146	8.73323
Nitrogen Oxide	R21	8	15	30	75	10	274								5.3819										5.3819	8.68048
Nitrogen Oxide	R21	8	16	29	77	10	274								5.462										5.462	8.80968
Nitrogen Oxide	R21	8	17	29	79	10	274								5.4006										5.4006	8.71065
Nitrogen Oxide	R21	8	18	28	80	10	274								5.5136										5.5136	8.8929
Nitrogen Oxide	R21	8	19	28	82	10	274								5.4557										5.4557	8.79952
Nitrogen Oxide	R21	8	20	28	84	10	274								5.3979										5.3979	8.70629
Nitrogen Oxide	R21	8	21	27	85	10	274								5.5142										5.5142	8.89387
Nitrogen Oxide	R21	8	22	27	87	10	274								5.4598										5.4598	8.80613
Nitrogen Oxide	R21	8	23	27	88	10	274								5.4326										5.4326	8.76226
Nitrogen Oxide	R21	8	24	27	89	10	132								5.4054										5.4054	8.71839
Nitrogen Oxide	R21	9	1	27	89	10	132								5.4054										5.4054	8.71839
Nitrogen Oxide	R21	9	2	26	89	10	132								5.55										5.55	8.95161
Nitrogen Oxide	R21	9	3	26	91	10	132								5.4988										5.4988	8.86903
Nitrogen Oxide	R21	9	4	26	92	10	132								5.4732										5.4732	8.82774
Nitrogen Oxide	R21	9	5	26	92	10	132								5.4732										5.4732	8.82774
Nitrogen Oxide	R21	9	6	26	93	10	132								5.4477										5.4477	8.78661
Nitrogen Oxide	R21	9	7	26	93	10	132								5.4477										5.4477	8.78661
Nitrogen Oxide	R21	9	8	27	88	10	274								5.4326										5.4326	8.76226
Nitrogen Oxide	R21	9	9	28	83	10	274								5.4268										5.4268	8.7529
Nitrogen Oxide	R21	9	10	29	78	10	274								5.4313										5.4313	8.76016
Nitrogen Oxide	R21	9	11	29	76	10	274								5.4927										5.4927	8.85919
Nitrogen Oxide	R21	9	12	29	76	10	274								5.4927										5.4927	8.85919
Nitrogen Oxide	R21	9	13	30	75	10	274								5.3819										5.3819	8.68048
Nitrogen Oxide	R21	9	14	29	75	10	274								5.5234										5.5234	8.90871
Nitrogen Oxide	R21	9	15	29	77	10	274								5.462										5.462	8.80968
Nitrogen Oxide	R21	9	16	29	76	10	274								5.4927										5.4927	8.85919
Nitrogen Oxide	R21	9	17	29	78	10	274								5.4313										5.4313	8.76016
Nitrogen Oxide	R21	9	18	28	81	10	274								5.4847										5.4847	8.84629
Nitrogen Oxide	R21	9	19	27	84	10	274								5.5415										5.5415	8.9379
Nitrogen Oxide	R21	9	20	27	86	10	274								5.487										5.487	8.85
Nitrogen Oxide	R21	9	21	27	87	10	274								5.4598										5.4598	8.80613
Nitrogen Oxide	R21	9	22	27	89	10	274								5.4054										5.4054	8.71839
Nitrogen Oxide	R21	9	23	27	89	10	274								5.4054										5.4054	8.71839
Nitrogen Oxide	R21	9	24	26	89	10	132								5.55										5.55	8.95161
Nitrogen Oxide	R21	10	1	24	74	10	132								6.1561										6.1561	9.92919
Nitrogen Oxide	R21	10	2	23	74	10	132								6.2587										6.2587	10.09468
Nitrogen Oxide	R21	10	3	23	74	10	132								6.2587										6.2587	10.09468
Nitrogen Oxide	R21	10	4	23	75	10	132								6.2375										6.2375	10.06048
Nitrogen Oxide	R21	10	5	23	74	10	132								6.2587										6.2587	10.09468
Nitrogen Oxide	R21	10	6	23	75	10	132								6.2375										6.2375	10.06048
Nitrogen Oxide	R21	10	7	23	75	10	132								6.2375										6.2375	10.06048
Nitrogen Oxide	R21	10	8	23	72	10	274								6.301										6.301	10.1629
Nitrogen Oxide	R21	10	9	24	69	10	274								6.269										6.269	10.11129
Nitrogen Oxide	R21	10	10	25	64	10	274								6.2882										6.2882	10.14226
Nitrogen Oxide	R21	10	11	26	61	10	274								6.2663										6.2663	10.10694
Nitrogen Oxide	R21	10	12	27	60	10	274								6.1944										6.1944	9.99097
Nitrogen Oxide	R21	10	13	27	59	10	274								6.2216										6.2216	10.03484
Nitrogen Oxide	R21	10	14	27	59	10	274								6.2216										6.2216	10.03484
Nitrogen Oxide	R21	10	15	27	60	10	274								6.1944										6.1944	9.99097
Nitrogen Oxide	R21	10	16	27	62	10	274								6.14										6.14	9.90323
Nitrogen Oxide	R21	10	17	26	65	10	274								6.1639										6.1639	9.94177
Nitrogen Oxide	R21	10	18	25	67	10	274								6.2161										6.2161	10.02597
Nitrogen Oxide	R21	10	19	25	69	10	274								6.168										6.168	9.94839
Nitrogen Oxide	R21	10	20	25	71	10	274								6.1199										6.1199	9.87081
Nitrogen Oxide	R21	10	21	24	71	10	274								6.2238										6.2238	10.03839
Nitrogen Oxide	R21	10	22	24	71	10	274								6.2238										6.2238	10.03839
Nitrogen Oxide	R21	10	23	24	72	10	274								6.2013										6.2013	10.0021
Nitrogen Oxide	R21	10	24	24	72	10	132								6.2013										6.2013	10.0021
Nitrogen Oxide	R21	11	1	21	75	10	132								6.4289										6.4289	10.36919
Nitrogen Oxide	R21	11	2	21	74	10	132								6.4476										6.4476	10.39935
Nitrogen Oxide	R21	11	3	21	74	10	132								6.4476										6.4476	10.39935
Nitrogen Oxide	R21	11	4	21	74	10	132								6.4476										6.4476	10.39935
Nitrogen Oxide	R21	11	5	21	74	10	132								6.4476										6.4476	10.39935
Nitrogen Oxide	R21	11	6	21	73	10	132								6.4662										6.4662	10.42935
Nitrogen Oxide	R21	11	7	21	73	10	132								6.4662										6.4662	10.42935
Nitrogen Oxide	R21	11	8	21	70	10	274								6.5221										6.5221	10.51952
Nitrogen Oxide	R21	11	9	22	66	10	274								6.5148										6.5148	10.50774
Nitrogen Oxide	R21	11	10	23	61	10	274								6.5342										6.5342	10.53903
Nitrogen Oxide	R21	11	11	25	57	10	274								6.4565										6.4565	10.41371
Nitrogen Oxide	R21	11	12	25	56	10	274								6.4806										6.4806	10.45258
Nitrogen Oxide	R21	11	13	25	56	10	274								6.4806										6.4806	10.45258
Nitrogen Oxide	R21	11	14	26	56	10	274								6.3942										6.3942	10.31323
Nitrogen Oxide	R21	11	15	26	57	10	274								6.3686										6.3686	10.27194
Nitrogen Oxide	R21	11	16	25	58	10	274								6.4325										6.4325	10.375
Nitrogen Oxide	R21	11	17	24	63	10	274								6.4045										6.4045	10.32984
Nitrogen Oxide	R21	11	18	23	66	10	274								6.4282										6.4282	10.36806
Nitrogen Oxide	R21	11	19	23	70	10	274								6.3435										6.3435	10.23145
Nitrogen Oxide	R21	11	20	22	70	10	274								6.4353										6.4353	10.37952
Nitrogen Oxide	R21	11	21	22	72	10	274								6.3955										6.3955	10.31532
Nitrogen Oxide	R21	11	22	22	74	10	274								6.3558										6.3558	10.25129
Nitrogen Oxide	R21	11	23	22	74	10	274								6.3558										6.3558	10.25129
Nitrogen Oxide	R21	11	24	21	74	10	132								6.4476										6.4476	10.39935
Nitrogen Oxide	R21	12	1	16	68	10	132								6.9143										6.9143	11.1521
Nitrogen Oxide	R21	12	2	16	69	10	132								6.9009										6.9009	11.13048
Nitrogen Oxide	R21	12	3	16	69	10	132								6.9009										6.9009	11.13048
Nitrogen Oxide	R21	12	4	15	70	10	132								6.9481										6.9481	11.20661
Nitrogen Oxide	R21	12	5	15	70	10	132								6.9481										6.9481	11.20661
Nitrogen Oxide	R21	12	6	15	70	10	132								6.9481										6.9481	11.20661
Nitrogen Oxide	R21	12	7	15	70	10	132								6.9481										6.9481	11.20661
Nitrogen Oxide	R21	12	8	15	69	10	274								6.9607										6.9607	11.22694
Nitrogen Oxide	R21	12	9	16	65	10	274								6.9546										6.9546	11.2171
Nitrogen Oxide	R21	12	10	17	62	10	274								6.9377										6.9377	11.18984
Nitrogen Oxide	R21	12	11	18	58	10	274								6.9382										6.9382	11.19065
Nitrogen Oxide	R21	12	12	19	57	10	274								6.8942										6.8942	11.11968
Nitrogen Oxide	R21	12	13	19	56	10	274								6.9105										6.9105	11.14597
Nitrogen Oxide	R21	12	14	19	56	10	274								6.9105										6.9105	11.14597
Nitrogen Oxide	R21	12	15	19	56	10	274								6.9105										6.9105	11.14597
Nitrogen Oxide	R21	12	16	19	57	10	274								6.8942										6.8942	11.11968
Nitrogen Oxide	R21	12	17	18	60	10	274								6.9076										6.9076	11.14129
Nitrogen Oxide	R21	12	18	18	64	10	274								6.8463										6.8463	11.04242
Nitrogen Oxide	R21	12	19	17	65	10	274								6.8947										6.8947	11.12048
Nitrogen Oxide	R21	12	20	17	66	10	274								6.8803										6.8803	11.09726
Nitrogen Oxide	R21	12	21	17	66	10	274								6.8803										6.8803	11.09726
Nitrogen Oxide	R21	12	22	16	66	10	274								6.9412										6.9412	11.19548
Nitrogen Oxide	R21	12	23	16	66	10	274								6.9412										6.9412	11.19548
Nitrogen Oxide	R21	12	24	16	67	10	132								6.9278										6.9278	11.17387
Nitrogen Oxide	R22	1	1	17	76	10	132								6.7317										6.7317	10.8613
Nitrogen Oxide	R22	1	2	17	77	10	132								6.7226										6.7226	10.8429
Nitrogen Oxide	R22	1	3	17	77	10	132								6.7226										6.7226	10.8429
Nitrogen Oxide	R22	1	4	17	77	10	132								6.7226										6.7226	10.8429
Nitrogen Oxide	R22	1	5	17	78	10	132								6.7083										6.7083	10.81984
Nitrogen Oxide	R22	1	6	17	77	10	132								6.7226										6.7226	10.8429
Nitrogen Oxide	R22	1	7	16	77	10	132								6.7935										6.7935	10.95726
Nitrogen Oxide	R22	1	8	17	77	10	148								6.7226										6.7226	10.8429
Nitrogen Oxide	R22	1	9	17	73	10	148								6.7799										6.7799	10.93532
Nitrogen Oxide	R22	1	10	19	69	10	148								6.6978										6.6978	10.8029
Nitrogen Oxide	R22	1	11	20	64	10	148								6.7089										6.7089	10.82081
Nitrogen Oxide	R22	1	12	21	62	10	148								6.6712										6.6712	10.76
Nitrogen Oxide	R22	1	13	21	61	10	148								6.6898										6.6898	10.79
Nitrogen Oxide	R22	1	14	21	62	10	148								6.6712										6.6712	10.76
Nitrogen Oxide	R22	1	15	21	62	10	148								6.6712										6.6712	10.76
Nitrogen Oxide	R22	1	16	21	63	10	148								6.6526										6.6526	10.73
Nitrogen Oxide	R22	1	17	20	67	10	148								6.6563										6.6563	10.73629
Nitrogen Oxide	R22	1	18	19	72	10	148								6.6488										6.6488	10.72387
Nitrogen Oxide	R22	1	19	18	74	10	148								6.693										6.693	10.79516
Nitrogen Oxide	R22	1	20	18	74	10	148								6.693										6.693	10.79516
Nitrogen Oxide	R22	1	21	18	75	10	148								6.6778										6.6778	10.77065
Nitrogen Oxide	R22	1	22	18	76	10	148								6.6625										6.6625	10.74597

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:
(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.
(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Oxide	R22	1	23	18	75	10	148								6.6778										6.6778	10.77065
Nitrogen Oxide	R22	1	24	17	76	10	132								6.737										6.737	10.86613
Nitrogen Oxide	R22	2	1	17	78	10	132								6.7083										6.7083	10.81984
Nitrogen Oxide	R22	2	2	17	80	10	132								6.6795										6.6795	10.77339
Nitrogen Oxide	R22	2	3	17	81	10	132								6.6652										6.6652	10.75032
Nitrogen Oxide	R22	2	4	17	82	10	132								6.6509										6.6509	10.72726
Nitrogen Oxide	R22	2	5	16	83	10	132								6.7131										6.7131	10.82758
Nitrogen Oxide	R22	2	6	16	83	10	132								6.7131										6.7131	10.82758
Nitrogen Oxide	R22	2	7	16	83	10	132								6.7131										6.7131	10.82758
Nitrogen Oxide	R22	2	8	17	81	10	148								6.6652										6.6652	10.75032
Nitrogen Oxide	R22	2	9	18	77	10	148								6.6471										6.6471	10.72113
Nitrogen Oxide	R22	2	10	19	73	10	148								6.6324										6.6324	10.69742
Nitrogen Oxide	R22	2	11	20	70	10	148								6.6041										6.6041	10.65177
Nitrogen Oxide	R22	2	12	20	68	10	148								6.6391										6.6391	10.70823
Nitrogen Oxide	R22	2	13	21	65	10	148								6.6153										6.6153	10.66984
Nitrogen Oxide	R22	2	14	21	65	10	148								6.6153										6.6153	10.66984
Nitrogen Oxide	R22	2	15	21	66	10	148								6.5966										6.5966	10.63968
Nitrogen Oxide	R22	2	16	20	68	10	148								6.6391										6.6391	10.70823
Nitrogen Oxide	R22	2	17	20	70	10	148								6.6041										6.6041	10.65177
Nitrogen Oxide	R22	2	18	19	74	10	148								6.6161										6.6161	10.67113
Nitrogen Oxide	R22	2	19	18	76	10	148								6.6625										6.6625	10.74597
Nitrogen Oxide	R22	2	20	18	78	10	148								6.6318										6.6318	10.69645
Nitrogen Oxide	R22	2	21	18	78	10	148								6.6318										6.6318	10.69645
Nitrogen Oxide	R22	2	22	18	78	10	148								6.6318										6.6318	10.69645
Nitrogen Oxide	R22	2	23	18	78	10	148								6.6318										6.6318	10.69645
Nitrogen Oxide	R22	2	24	18	78	10	132								6.6318										6.6318	10.69645
Nitrogen Oxide	R22	3	1	21	86	10	132								6.2239										6.2239	10.03855
Nitrogen Oxide	R22	3	2	20	87	10	132								6.3072										6.3072	10.1729
Nitrogen Oxide	R22	3	3	20	87	10	132								6.3072										6.3072	10.1729
Nitrogen Oxide	R22	3	4	20	87	10	132								6.3072										6.3072	10.1729
Nitrogen Oxide	R22	3	5	20	87	10	132								6.3072										6.3072	10.1729
Nitrogen Oxide	R22	3	6	20	87	10	132								6.3072										6.3072	10.1729
Nitrogen Oxide	R22	3	7	20	87	10	132								6.3072										6.3072	10.1729
Nitrogen Oxide	R22	3	8	20	86	10	148								6.3246										6.3246	10.20097
Nitrogen Oxide	R22	3	9	21	83	10	148								6.2798										6.2798	10.12871
Nitrogen Oxide	R22	3	10	22	79	10	148								6.2564										6.2564	10.09097
Nitrogen Oxide	R22	3	11	22	78	10	148								6.2763										6.2763	10.12306
Nitrogen Oxide	R22	3	12	23	77	10	148								6.1951										6.1951	9.9921
Nitrogen Oxide	R22	3	13	23	77	10	148								6.1951										6.1951	9.9921
Nitrogen Oxide	R22	3	14	23	77	10	148								6.1951										6.1951	9.9921
Nitrogen Oxide	R22	3	15	23	76	10	148								6.2164										6.2164	10.02645
Nitrogen Oxide	R22	3	16	23	77	10	148								6.1951										6.1951	9.9921
Nitrogen Oxide	R22	3	17	22	79	10	148								6.2564										6.2564	10.09097
Nitrogen Oxide	R22	3	18	22	82	10	148								6.1968										6.1968	9.99484
Nitrogen Oxide	R22	3	19	21	84	10	148								6.2612										6.2612	10.09871
Nitrogen Oxide	R22	3	20	21	85	10	148								6.2425										6.2425	10.06855
Nitrogen Oxide	R22	3	21	21	86	10	148								6.2239										6.2239	10.03855
Nitrogen Oxide	R22	3	22	21	86	10	148								6.2239										6.2239	10.03855
Nitrogen Oxide	R22	3	23	21	85	10	148								6.2425										6.2425	10.06855
Nitrogen Oxide	R22	3	24	21	86	10	132								6.2239										6.2239	10.03855
Nitrogen Oxide	R22	4	1	20	83	10	132								6.377										6.377	10.28548
Nitrogen Oxide	R22	4	2	20	85	10	132								6.3421										6.3421	10.22919
Nitrogen Oxide	R22	4	3	20	84	10	132								6.3596										6.3596	10.25742
Nitrogen Oxide	R22	4	4	20	85	10	132								6.3421										6.3421	10.22919
Nitrogen Oxide	R22	4	5	19	84	10	132								6.4525										6.4525	10.40726
Nitrogen Oxide	R22	4	6	19	84	10	132								6.4525										6.4525	10.40726
Nitrogen Oxide	R22	4	7	20	84	10	132								6.3596										6.3596	10.25742
Nitrogen Oxide	R22	4	8	21	79	10	148								6.3544										6.3544	10.24903
Nitrogen Oxide	R22	4	9	22	73	10	148								6.3756										6.3756	10.28323
Nitrogen Oxide	R22	4	10	23	69	10	148								6.3646										6.3646	10.26548
Nitrogen Oxide	R22	4	11	23	68	10	148								6.3858										6.3858	10.29968
Nitrogen Oxide	R22	4	12	24	66	10	148								6.3367										6.3367	10.22048
Nitrogen Oxide	R22	4	13	24	65	10	148								6.3593										6.3593	10.25694
Nitrogen Oxide	R22	4	14	24	66	10	148								6.3367										6.3367	10.22048
Nitrogen Oxide	R22	4	15	24	66	10	148								6.3367										6.3367	10.22048
Nitrogen Oxide	R22	4	16	24	67	10	148								6.3141										6.3141	10.18403
Nitrogen Oxide	R22	4	17	23	69	10	148								6.3646										6.3646	10.26548
Nitrogen Oxide	R22	4	18	22	74	10	148								6.3558										6.3558	10.25129
Nitrogen Oxide	R22	4	19	22	76	10	148								6.316										6.316	10.1871
Nitrogen Oxide	R22	4	20	21	79	10	148								6.3544										6.3544	10.24903
Nitrogen Oxide	R22	4	21	21	80	10	148								6.3357										6.3357	10.21887
Nitrogen Oxide	R22	4	22	21	81	10	148								6.3171										6.3171	10.18887
Nitrogen Oxide	R22	4	23	21	82	10	148								6.2985										6.2985	10.15887
Nitrogen Oxide	R22	4	24	20	82	10	132								6.3945										6.3945	10.31371
Nitrogen Oxide	R22	5	1	26	91	10	132								5.4988										5.4988	8.86903
Nitrogen Oxide	R22	5	2	25	92	10	132								5.6151										5.6151	9.05661
Nitrogen Oxide	R22	5	3	25	92	10	132								5.6151										5.6151	9.05661
Nitrogen Oxide	R22	5	4	25	91	10	132								5.6392										5.6392	9.09548
Nitrogen Oxide	R22	5	5	25	92	10	132								5.6151										5.6151	9.05661
Nitrogen Oxide	R22	5	6	25	93	10	132								5.5911										5.5911	9.0179
Nitrogen Oxide	R22	5	7	26	91	10	132								5.4988										5.4988	8.86903
Nitrogen Oxide	R22	5	8	27	85	10	148								5.5142										5.5142	8.89387
Nitrogen Oxide	R22	5	9	28	80	10	148								5.5136										5.5136	8.8929
Nitrogen Oxide	R22	5	10	28	78	10	148								5.5714										5.5714	8.98613
Nitrogen Oxide	R22	5	11	29	77	10	148								5.462										5.462	8.80968
Nitrogen Oxide	R22	5	12	29	75	10	148								5.5234										5.5234	8.90871
Nitrogen Oxide	R22	5	13	29	74	10	148								5.5541										5.5541	8.95823
Nitrogen Oxide	R22	5	14	29	75	10	148								5.5234										5.5234	8.90871
Nitrogen Oxide	R22	5	15	29	75	10	148								5.5234										5.5234	8.90871
Nitrogen Oxide	R22	5	16	29	77	10	148								5.462										5.462	8.80968
Nitrogen Oxide	R22	5	17	28	78	10	148								5.5714										5.5714	8.98613
Nitrogen Oxide	R22	5	18	28	81	10	148								5.4847										5.4847	8.84629
Nitrogen Oxide	R22	5	19	27	84	10	148								5.5415										5.5415	8.9379
Nitrogen Oxide	R22	5	20	27	87	10	148								5.4598										5.4598	8.80613
Nitrogen Oxide	R22	5	21	27	88	10	148								5.4326										5.4326	8.76226
Nitrogen Oxide	R22	5	22	26	89	10	148								5.55										5.55	8.95161
Nitrogen Oxide	R22	5	23	26	89	10	148								5.55										5.55	8.95161
Nitrogen Oxide	R22	5	24	26	90	10	132								5.5244										5.5244	8.91032
Nitrogen Oxide	R22	6	1	28	88	10	132								5.2823										5.2823	8.51984
Nitrogen Oxide	R22	6	2	27	89	10	132								5.4054										5.4054	8.71839
Nitrogen Oxide	R22	6	3	27	89	10	132								5.4054										5.4054	8.71839
Nitrogen Oxide	R22	6	4	27	88	10	132								5.4326										5.4326	8.76226
Nitrogen Oxide	R22	6	5	27	89	10	132								5.4054										5.4054	8.71839
Nitrogen Oxide	R22	6	6	27	90	10	132								5.3782										5.3782	8.67452
Nitrogen Oxide	R22	6	7	28	87	10	132								5.3111										5.3111	8.56629
Nitrogen Oxide	R22	6	8	29	82	10	148								5.3084										5.3084	8.56194
Nitrogen Oxide	R22	6	9	29	79	10	148								5.4006										5.4006	8.71065
Nitrogen Oxide	R22	6	10	30	76	10	148								5.3494										5.3494	8.62806
Nitrogen Oxide	R22	6	11	30	75	10	148								5.3819										5.3819	8.68048
Nitrogen Oxide	R22	6	12	30	74	10	148								5.4146										5.4146	8.73323
Nitrogen Oxide	R22	6	13	31	73	10	148								5.3027										5.3027	8.55274
Nitrogen Oxide	R22	6	14	31	72	10	148								5.3373										5.3373	8.60855
Nitrogen Oxide	R22	6	15	30	74	10	148								5.4146										5.4146	8.73323
Nitrogen Oxide	R22	6	16	30	74	10	148								5.4146										5.4146	8.73323
Nitrogen Oxide	R22	6	17	30	75	10	148								5.3819										5.3819	8.68048
Nitrogen Oxide	R22	6	18	29	79	10	148								5.4006										5.4006	8.71065
Nitrogen Oxide	R22	6	19	29	81	10	148								5.3392										5.3392	8.61161
Nitrogen Oxide	R22	6	20	28	83	10	148								5.4268										5.4268	8.7529
Nitrogen Oxide	R22	6	21	28	85	10	148								5.369										5.369	8.65968
Nitrogen Oxide	R22	6	22	28	86	10	148								5.34										5.34	8.6129
Nitrogen Oxide	R22	6	23	28	87	10	148								5.3111										5.3111	8.56629
Nitrogen Oxide	R22	6	24	28	87	10	132								5.3111										5.3111	8.56629
Nitrogen Oxide	R22	7	1	28	84	10	132								5.3979										5.3979	8.70629
Nitrogen Oxide	R22	7	2	28	84	10	132								5.3979										5.3979	8.70629
Nitrogen Oxide	R22	7	3	28	86	10	132								5.34										5.34	8.6129
Nitrogen Oxide	R22	7	4	28	86	10	132								5.34										5.34	8.6129
Nitrogen Oxide	R22	7	5	28	88	10	132								5.2823										5.2823	8.51984
Nitrogen Oxide	R22	7	6	27	88	10	132								5.4326										5.4326	8.76226
Nitrogen Oxide	R22	7	7	28	86	10	132								5.34										5.34	8.6129
Nitrogen Oxide	R22	7	8	29	81	10	148								5.3392										5.3392	8.61161
Nitrogen Oxide	R22	7	9	30	76	10	148								5.3494										5.3494	8.62806
Nitrogen Oxide	R22	7	10	31	70	10	148								5.4065										5.4065	8.72016
Nitrogen Oxide	R22	7	11	31	68	10	148								5.4757										5.4757	8.83177
Nitrogen Oxide	R22	7	12	32	67	10	148								5.3713										5.3713	8.66339
Nitrogen Oxide	R22	7	13	32	66	10	148								5.4079										5.4079	8.72242
Nitrogen Oxide	R22	7	14	32	66	10	148								5.4079										5.4079	8.72242
Nitrogen Oxide	R22	7	15	31	68	10	148								5.4757										5.4757	8.83177
Nitrogen Oxide	R22	7	16	31	69	10	148								5.441										5.441	8.77581
Nitrogen Oxide	R22	7	17	31	70	10	148								5.4065										5.4065	8.72016
Nitrogen Oxide	R22	7	18	30	73	10	148								5.4472										5.4472	8.78581
Nitrogen Oxide	R22	7	19	29	76	10	148								5.4927										5.4927	8.85919
Nitrogen Oxide	R22	7	20	29	79	10	148								5.4006										5.4006	8.71065
Nitrogen Oxide	R22	7	21	29	81	10	148								5.3392										5.3392	8.61161
Nitrogen Oxide	R22	7	22	29	82	10	148								5.3084										5.3084	8.56194
Nitrogen Oxide	R22	7	23	28	83	10	148								5.4268										5.4268	8.7529
Nitrogen Oxide	R22	7	24	28	84	10	132								5.3979										5.3979	8.70629
Nitrogen Oxide	R22	8	1	27	90	10	132								5.3782										5.3782	8.67452
Nitrogen Oxide	R22	8	2	26	90	10	132								5.5244										5.5244	8.91032
Nitrogen Oxide	R22	8	3	26	91	10	132								5.4988										5.4988	8.86903

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:
(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.
(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Oxide	R22	8	4	26	92	10	132								5.4732										5.4732	8.82774
Nitrogen Oxide	R22	8	5	26	93	10	132								5.4477										5.4477	8.78661
Nitrogen Oxide	R22	8	6	26	94	10	132								5.422										5.422	8.74516
Nitrogen Oxide	R22	8	7	26	93	10	132								5.4477										5.4477	8.78661
Nitrogen Oxide	R22	8	8	27	87	10	148								5.4598										5.4598	8.80613
Nitrogen Oxide	R22	8	9	29	81	10	148								5.3392										5.3392	8.61161
Nitrogen Oxide	R22	8	10	30	76	10	148								5.3494										5.3494	8.62806
Nitrogen Oxide	R22	8	11	30	73	10	148								5.4472										5.4472	8.78581
Nitrogen Oxide	R22	8	12	30	73	10	148								5.4472										5.4472	8.78581
Nitrogen Oxide	R22	8	13	30	74	10	148								5.4146										5.4146	8.73323
Nitrogen Oxide	R22	8	14	30	74	10	148								5.4146										5.4146	8.73323
Nitrogen Oxide	R22	8	15	30	75	10	148								5.3819										5.3819	8.68048
Nitrogen Oxide	R22	8	16	29	77	10	148								5.462										5.462	8.80968
Nitrogen Oxide	R22	8	17	29	79	10	148								5.4006										5.4006	8.71065
Nitrogen Oxide	R22	8	18	28	80	10	148								5.5136										5.5136	8.8929
Nitrogen Oxide	R22	8	19	28	82	10	148								5.4557										5.4557	8.79952
Nitrogen Oxide	R22	8	20	28	84	10	148								5.3979										5.3979	8.70629
Nitrogen Oxide	R22	8	21	27	85	10	148								5.5142										5.5142	8.89387
Nitrogen Oxide	R22	8	22	27	87	10	148								5.4598										5.4598	8.80613
Nitrogen Oxide	R22	8	23	27	88	10	148								5.4326										5.4326	8.76226
Nitrogen Oxide	R22	8	24	27	89	10	132								5.4054										5.4054	8.71839
Nitrogen Oxide	R22	9	1	27	89	10	132								5.4054										5.4054	8.71839
Nitrogen Oxide	R22	9	2	26	89	10	132								5.55										5.55	8.95161
Nitrogen Oxide	R22	9	3	26	91	10	132								5.4988										5.4988	8.86903
Nitrogen Oxide	R22	9	4	26	92	10	132								5.4732										5.4732	8.82774
Nitrogen Oxide	R22	9	5	26	92	10	132								5.4732										5.4732	8.82774
Nitrogen Oxide	R22	9	6	26	93	10	132								5.4477										5.4477	8.78661
Nitrogen Oxide	R22	9	7	26	93	10	132								5.4477										5.4477	8.78661
Nitrogen Oxide	R22	9	8	27	88	10	148								5.4326										5.4326	8.76226
Nitrogen Oxide	R22	9	9	28	83	10	148								5.4268										5.4268	8.7529
Nitrogen Oxide	R22	9	10	29	78	10	148								5.4313										5.4313	8.76016
Nitrogen Oxide	R22	9	11	29	76	10	148								5.4927										5.4927	8.85919
Nitrogen Oxide	R22	9	12	29	76	10	148								5.4927										5.4927	8.85919
Nitrogen Oxide	R22	9	13	30	75	10	148								5.3819										5.3819	8.68048
Nitrogen Oxide	R22	9	14	29	75	10	148								5.5234										5.5234	8.90871
Nitrogen Oxide	R22	9	15	29	77	10	148								5.462										5.462	8.80968
Nitrogen Oxide	R22	9	16	29	76	10	148								5.4927										5.4927	8.85919
Nitrogen Oxide	R22	9	17	29	78	10	148								5.4313										5.4313	8.76016
Nitrogen Oxide	R22	9	18	28	81	10	148								5.4847										5.4847	8.84629
Nitrogen Oxide	R22	9	19	27	84	10	148								5.5415										5.5415	8.9379
Nitrogen Oxide	R22	9	20	27	86	10	148								5.487										5.487	8.85
Nitrogen Oxide	R22	9	21	27	87	10	148								5.4598										5.4598	8.80613
Nitrogen Oxide	R22	9	22	27	89	10	148								5.4054										5.4054	8.71839
Nitrogen Oxide	R22	9	23	27	89	10	148								5.4054										5.4054	8.71839
Nitrogen Oxide	R22	9	24	26	89	10	132								5.55										5.55	8.95161
Nitrogen Oxide	R22	10	1	24	74	10	132								6.1561										6.1561	9.92919
Nitrogen Oxide	R22	10	2	23	74	10	132								6.2587										6.2587	10.09468
Nitrogen Oxide	R22	10	3	23	74	10	132								6.2587										6.2587	10.09468
Nitrogen Oxide	R22	10	4	23	75	10	132								6.2373										6.2375	10.06048
Nitrogen Oxide	R22	10	5	23	74	10	132								6.2587										6.2587	10.09468
Nitrogen Oxide	R22	10	6	23	75	10	132								6.2375										6.2375	10.06048
Nitrogen Oxide	R22	10	7	23	75	10	132								6.2373										6.2373	10.06048
Nitrogen Oxide	R22	10	8	23	72	10	148								6.301										6.301	10.1629
Nitrogen Oxide	R22	10	9	24	69	10	148								6.269										6.269	10.11129
Nitrogen Oxide	R22	10	10	25	64	10	148								6.2882										6.2882	10.14226
Nitrogen Oxide	R22	10	11	26	61	10	148								6.2663										6.2663	10.10694
Nitrogen Oxide	R22	10	12	27	60	10	148								6.1944										6.1944	9.99097
Nitrogen Oxide	R22	10	13	27	59	10	148								6.2216										6.2216	10.03484
Nitrogen Oxide	R22	10	14	27	59	10	148								6.2216										6.2216	10.03484
Nitrogen Oxide	R22	10	15	27	60	10	148								6.1944										6.1944	9.99097
Nitrogen Oxide	R22	10	16	27	62	10	148								6.14										6.14	9.90323
Nitrogen Oxide	R22	10	17	26	65	10	148								6.1639										6.1639	9.94177
Nitrogen Oxide	R22	10	18	25	67	10	148								6.2161										6.2161	10.02597
Nitrogen Oxide	R22	10	19	25	69	10	148								6.168										6.168	9.94839
Nitrogen Oxide	R22	10	20	25	71	10	148								6.1199										6.1199	9.87081
Nitrogen Oxide	R22	10	21	24	71	10	148								6.2238										6.2238	10.03839
Nitrogen Oxide	R22	10	22	24	71	10	148								6.2238										6.2238	10.03839
Nitrogen Oxide	R22	10	23	24	72	10	148								6.2013										6.2013	10.0021
Nitrogen Oxide	R22	10	24	24	72	10	132								6.2013										6.2013	10.0021
Nitrogen Oxide	R22	11	1	21	75	10	132								6.4289										6.4289	10.36919
Nitrogen Oxide	R22	11	2	21	74	10	132								6.4476										6.4476	10.39935
Nitrogen Oxide	R22	11	3	21	74	10	132								6.4476										6.4476	10.39935
Nitrogen Oxide	R22	11	4	21	74	10	132								6.4476										6.4476	10.39935
Nitrogen Oxide	R22	11	5	21	74	10	132								6.4476										6.4476	10.39935
Nitrogen Oxide	R22	11	6	21	73	10	132								6.4662										6.4662	10.42935
Nitrogen Oxide	R22	11	7	21	73	10	132								6.4662										6.4662	10.42935
Nitrogen Oxide	R22	11	8	21	70	10	148								6.5221										6.5221	10.51952
Nitrogen Oxide	R22	11	9	22	66	10	148								6.5148										6.5148	10.50774
Nitrogen Oxide	R22	11	10	23	61	10	148								6.5342										6.5342	10.53903
Nitrogen Oxide	R22	11	11	25	57	10	148								6.4565										6.4565	10.41371
Nitrogen Oxide	R22	11	12	25	56	10	148								6.4806										6.4806	10.45258
Nitrogen Oxide	R22	11	13	25	56	10	148								6.4806										6.4806	10.45258
Nitrogen Oxide	R22	11	14	26	56	10	148								6.3942										6.3942	10.31323
Nitrogen Oxide	R22	11	15	26	57	10	148								6.3686										6.3686	10.27194
Nitrogen Oxide	R22	11	16	25	58	10	148								6.4325										6.4325	10.375
Nitrogen Oxide	R22	11	17	24	63	10	148								6.4045										6.4045	10.32984
Nitrogen Oxide	R22	11	18	23	66	10	148								6.4282										6.4282	10.36806
Nitrogen Oxide	R22	11	19	23	70	10	148								6.3435										6.3435	10.23145
Nitrogen Oxide	R22	11	20	22	70	10	148								6.4353										6.4353	10.37952
Nitrogen Oxide	R22	11	21	22	72	10	148								6.3955										6.3955	10.31532
Nitrogen Oxide	R22	11	22	22	74	10	148								6.3558										6.3558	10.25129
Nitrogen Oxide	R22	11	23	22	74	10	148								6.3558										6.3558	10.25129
Nitrogen Oxide	R22	11	24	21	74	10	132								6.4476										6.4476	10.39935
Nitrogen Oxide	R22	12	1	16	68	10	132								6.9143										6.9143	11.1521
Nitrogen Oxide	R22	12	2	16	69	10	132								6.9009										6.9009	11.13048
Nitrogen Oxide	R22	12	3	16	69	10	132								6.9009										6.9009	11.13048
Nitrogen Oxide	R22	12	4	15	70	10	132								6.9481										6.9481	11.20661
Nitrogen Oxide	R22	12	5	15	70	10	132								6.9481										6.9481	11.20661
Nitrogen Oxide	R22	12	6	15	70	10	132								6.9481										6.9481	11.20661
Nitrogen Oxide	R22	12	7	15	70	10	132								6.9481										6.9481	11.20661
Nitrogen Oxide	R22	12	8	15	69	10	148								6.9607										6.9607	11.22694
Nitrogen Oxide	R22	12	9	16	65	10	148								6.9546										6.9546	11.2171
Nitrogen Oxide	R22	12	10	17	62	10	148								6.9377										6.9377	11.18984
Nitrogen Oxide	R22	12	11	18	58	10	148								6.9382										6.9382	11.19065
Nitrogen Oxide	R22	12	12	19	57	10	148								6.8942										6.8942	11.11968
Nitrogen Oxide	R22	12	13	19	56	10	148								6.9105										6.9105	11.14597
Nitrogen Oxide	R22	12	14	19	56	10	148								6.9105										6.9105	11.14597
Nitrogen Oxide	R22	12	15	19	56	10	148								6.9105										6.9105	11.14597
Nitrogen Oxide	R22	12	16	19	57	10	148								6.8942										6.8942	11.11968
Nitrogen Oxide	R22	12	17	18	60	10	148								6.9076										6.9076	11.14129
Nitrogen Oxide	R22	12	18	18	64	10	148								6.8463										6.8463	11.04242
Nitrogen Oxide	R22	12	19	17	65	10	148								6.8947										6.8947	11.12048
Nitrogen Oxide	R22	12	20	17	66	10	148								6.8803										6.8803	11.09726
Nitrogen Oxide	R22	12	21	17	66	10	148								6.8803										6.8803	11.09726
Nitrogen Oxide	R22	12	22	16	66	10	148								6.9412										6.9412	11.19548
Nitrogen Oxide	R22	12	23	16	66	10	148								6.9412										6.9412	11.19548
Nitrogen Oxide	R22	12	24	16	67	10	132								6.9278										6.9278	11.17387
Nitrogen Oxide	R25	1	1	17	76	10	0								6.737										0	0
Nitrogen Oxide	R25	1	2	17	77	10	0								6.7226										0	0
Nitrogen Oxide	R25	1	3	17	77	10	0								6.7226										0	0
Nitrogen Oxide	R25	1	4	17	77	10	0								6.7226										0	0
Nitrogen Oxide	R25	1	5	17	78	10	0								6.7083										0	0
Nitrogen Oxide	R25	1	6	17	77	10	0								6.7226										0	0
Nitrogen Oxide	R25	1	7	16	77	10	0								6.7935										0	0
Nitrogen Oxide	R25	1	8	17	77	10	0								6.7226										0	0
Nitrogen Oxide	R25	1	9	17	73	10	17								6.7799										6.7799	10.93532
Nitrogen Oxide	R25	1	10	19	69	10	17								6.6978										6.6978	10.8029
Nitrogen Oxide	R25	1	11	20	64	10	17								6.7089										6.7089	10.82081
Nitrogen Oxide	R25	1	12	21	62	10	17								6.6712										6.6712	10.76
Nitrogen Oxide	R25	1	13	21	61	10	17								6.6898										6.6898	10.79
Nitrogen Oxide	R25	1	14	21	62	10	17								6.6712										6.6712	10.76
Nitrogen Oxide	R25	1	15	21	62	10	17								6.6712										6.6712	10.76
Nitrogen Oxide	R25	1	16	21	63	10	17								6.6526										6.6526	10.73
Nitrogen Oxide	R25	1	17	20	67	10	17								6.6565										6.6565	10.73629
Nitrogen Oxide	R25	1	18	19	72	10	17								6.6488										6.6488	10.72387
Nitrogen Oxide	R25	1	19	18	74	10	17								6.693										6.693	10.79516
Nitrogen Oxide	R25	1	20	18	74	10	17								6.693										6.693	10.79516
Nitrogen Oxide	R25	1	21	18	75	10	0								6.6778										0	0
Nitrogen Oxide	R25	1	22	18	76	10	0								6.6625										0	0
Nitrogen Oxide	R25	1	23	18	75	10	0								6.6778										0	0
Nitrogen Oxide	R25	1	24	17	76	10	0								6.737										0	0
Nitrogen Oxide	R25	2	1	17	78	10	0								6.7083										0	0
Nitrogen Oxide	R25	2	2	17	80	10	0								6.6795										0	0
Nitrogen Oxide	R25	2	3	17	81	10	0								6.6652										0	0
Nitrogen Oxide	R25	2	4	17	82	10	0								6.6509										0	0
Nitrogen Oxide	R25	2	5	16	83	10	0								6.7131										0	0
Nitrogen Oxide	R25	2	6	16	83	10	0								6.7131										0	0
Nitrogen Oxide	R25	2	7	16	83	10	0								6.7131										0	0
Nitrogen Oxide	R25	2	8	17	81	10	0								6.6652										0	0

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:
(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.
(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Oxide	R25	2	9	18	77	10	17								6.6471										6.6471	10.72113
Nitrogen Oxide	R25	2	10	19	73	10	17								6.6324										6.6324	10.69742
Nitrogen Oxide	R25	2	11	20	70	10	17								6.6041										6.6041	10.65177
Nitrogen Oxide	R25	2	12	20	68	10	17								6.6391										6.6391	10.70823
Nitrogen Oxide	R25	2	13	21	65	10	17								6.6153										6.6153	10.66984
Nitrogen Oxide	R25	2	14	21	65	10	17								6.6153										6.6153	10.66984
Nitrogen Oxide	R25	2	15	21	66	10	17								6.5966										6.5966	10.63968
Nitrogen Oxide	R25	2	16	20	68	10	17								6.6391										6.6391	10.70823
Nitrogen Oxide	R25	2	17	20	70	10	17								6.6041										6.6041	10.65177
Nitrogen Oxide	R25	2	18	19	74	10	17								6.6161										6.6161	10.67113
Nitrogen Oxide	R25	2	19	18	76	10	17								6.6625										6.6625	10.74597
Nitrogen Oxide	R25	2	20	18	78	10	17								6.6318										6.6318	10.69645
Nitrogen Oxide	R25	2	21	18	78	10	0								6.6318										0	0
Nitrogen Oxide	R25	2	22	18	78	10	0								6.6318										0	0
Nitrogen Oxide	R25	2	23	18	78	10	0								6.6318										0	0
Nitrogen Oxide	R25	2	24	18	78	10	0								6.6318										0	0
Nitrogen Oxide	R25	3	1	21	86	10	0								6.2239										0	0
Nitrogen Oxide	R25	3	2	20	87	10	0								6.3072										0	0
Nitrogen Oxide	R25	3	3	20	87	10	0								6.3072										0	0
Nitrogen Oxide	R25	3	4	20	87	10	0								6.3072										0	0
Nitrogen Oxide	R25	3	5	20	87	10	0								6.3072										0	0
Nitrogen Oxide	R25	3	6	20	87	10	0								6.3072										0	0
Nitrogen Oxide	R25	3	7	20	87	10	0								6.3072										0	0
Nitrogen Oxide	R25	3	8	20	86	10	0								6.3246										0	0
Nitrogen Oxide	R25	3	9	21	83	10	17								6.2798										6.2798	10.12871
Nitrogen Oxide	R25	3	10	22	79	10	17								6.2564										6.2564	10.09097
Nitrogen Oxide	R25	3	11	22	78	10	17								6.2763										6.2763	10.12306
Nitrogen Oxide	R25	3	12	23	77	10	17								6.1951										6.1951	9.9921
Nitrogen Oxide	R25	3	13	23	77	10	17								6.1951										6.1951	9.9921
Nitrogen Oxide	R25	3	14	23	77	10	17								6.1951										6.1951	9.9921
Nitrogen Oxide	R25	3	15	23	76	10	17								6.2164										6.2164	10.02645
Nitrogen Oxide	R25	3	16	23	77	10	17								6.1951										6.1951	9.9921
Nitrogen Oxide	R25	3	17	22	79	10	17								6.2564										6.2564	10.09097
Nitrogen Oxide	R25	3	18	22	82	10	17								6.1968										6.1968	9.99484
Nitrogen Oxide	R25	3	19	21	84	10	17								6.2612										6.2612	10.09871
Nitrogen Oxide	R25	3	20	21	85	10	17								6.2425										6.2425	10.06855
Nitrogen Oxide	R25	3	21	21	86	10	0								6.2239										0	0
Nitrogen Oxide	R25	3	22	21	86	10	0								6.2239										0	0
Nitrogen Oxide	R25	3	23	21	85	10	0								6.2425										0	0
Nitrogen Oxide	R25	3	24	21	86	10	0								6.2239										0	0
Nitrogen Oxide	R25	4	1	20	83	10	0								6.377										0	0
Nitrogen Oxide	R25	4	2	20	85	10	0								6.3421										0	0
Nitrogen Oxide	R25	4	3	20	84	10	0								6.3596										0	0
Nitrogen Oxide	R25	4	4	20	85	10	0								6.3421										0	0
Nitrogen Oxide	R25	4	5	19	84	10	0								6.4525										0	0
Nitrogen Oxide	R25	4	6	19	84	10	0								6.4525										0	0
Nitrogen Oxide	R25	4	7	20	84	10	0								6.3596										0	0
Nitrogen Oxide	R25	4	8	21	79	10	0								6.3544										0	0
Nitrogen Oxide	R25	4	9	22	73	10	17								6.3756										6.3756	10.28323
Nitrogen Oxide	R25	4	10	23	69	10	17								6.3646										6.3646	10.26548
Nitrogen Oxide	R25	4	11	23	68	10	17								6.3858										6.3858	10.29968
Nitrogen Oxide	R25	4	12	24	66	10	17								6.3367										6.3367	10.22048
Nitrogen Oxide	R25	4	13	24	65	10	17								6.3593										6.3593	10.25694
Nitrogen Oxide	R25	4	14	24	66	10	17								6.3367										6.3367	10.22048
Nitrogen Oxide	R25	4	15	24	66	10	17								6.3367										6.3367	10.22048
Nitrogen Oxide	R25	4	16	24	67	10	17								6.3141										6.3141	10.18403
Nitrogen Oxide	R25	4	17	23	69	10	17								6.3646										6.3646	10.26548
Nitrogen Oxide	R25	4	18	22	74	10	17								6.3558										6.3558	10.25129
Nitrogen Oxide	R25	4	19	22	76	10	17								6.316										6.316	10.1871
Nitrogen Oxide	R25	4	20	21	79	10	17								6.3544										6.3544	10.24903
Nitrogen Oxide	R25	4	21	21	80	10	0								6.3357										0	0
Nitrogen Oxide	R25	4	22	21	81	10	0								6.3171										0	0
Nitrogen Oxide	R25	4	23	21	82	10	0								6.2985										0	0
Nitrogen Oxide	R25	4	24	20	82	10	0								6.3945										0	0
Nitrogen Oxide	R25	5	1	26	91	10	0								5.4988										0	0
Nitrogen Oxide	R25	5	2	25	92	10	0								5.6151										0	0
Nitrogen Oxide	R25	5	3	25	92	10	0								5.6151										0	0
Nitrogen Oxide	R25	5	4	25	91	10	0								5.6392										0	0
Nitrogen Oxide	R25	5	5	25	92	10	0								5.6151										0	0
Nitrogen Oxide	R25	5	6	25	93	10	0								5.5911										0	0
Nitrogen Oxide	R25	5	7	26	91	10	0								5.4988										0	0
Nitrogen Oxide	R25	5	8	27	85	10	0								5.5142										0	0
Nitrogen Oxide	R25	5	9	28	80	10	17								5.5136										5.5136	8.8929
Nitrogen Oxide	R25	5	10	28	78	10	17								5.5714										5.5714	8.98613
Nitrogen Oxide	R25	5	11	29	77	10	17								5.462										5.462	8.80968
Nitrogen Oxide	R25	5	12	29	75	10	17								5.5234										5.5234	8.90871
Nitrogen Oxide	R25	5	13	29	74	10	17								5.5541										5.5541	8.95823
Nitrogen Oxide	R25	5	14	29	75	10	17								5.5234										5.5234	8.90871
Nitrogen Oxide	R25	5	15	29	75	10	17								5.5234										5.5234	8.90871
Nitrogen Oxide	R25	5	16	29	77	10	17								5.462										5.462	8.80968
Nitrogen Oxide	R25	5	17	28	78	10	17								5.5714										5.5714	8.98613
Nitrogen Oxide	R25	5	18	28	81	10	17								5.4847										5.4847	8.84629
Nitrogen Oxide	R25	5	19	27	84	10	17								5.5415										5.5415	8.9379
Nitrogen Oxide	R25	5	20	27	87	10	17								5.4598										5.4598	8.80613
Nitrogen Oxide	R25	5	21	27	88	10	0								5.4326										0	0
Nitrogen Oxide	R25	5	22	26	89	10	0								5.55										0	0
Nitrogen Oxide	R25	5	23	26	89	10	0								5.55										0	0
Nitrogen Oxide	R25	5	24	26	90	10	0								5.5244										0	0
Nitrogen Oxide	R25	6	1	28	88	10	0								5.2923										0	0
Nitrogen Oxide	R25	6	2	27	89	10	0								5.4054										0	0
Nitrogen Oxide	R25	6	3	27	89	10	0								5.4054										0	0
Nitrogen Oxide	R25	6	4	27	88	10	0								5.4326										0	0
Nitrogen Oxide	R25	6	5	27	89	10	0								5.4054										0	0
Nitrogen Oxide	R25	6	6	27	90	10	0								5.3782										0	0
Nitrogen Oxide	R25	6	7	28	87	10	0								5.3111										0	0
Nitrogen Oxide	R25	6	8	29	82	10	0								5.3084										0	0
Nitrogen Oxide	R25	6	9	29	79	10	17								5.4006										5.4006	8.71065
Nitrogen Oxide	R25	6	10	30	76	10	17								5.3494										5.3494	8.62806
Nitrogen Oxide	R25	6	11	30	75	10	17								5.3819										5.3819	8.68048
Nitrogen Oxide	R25	6	12	30	74	10	17								5.4146										5.4146	8.73323
Nitrogen Oxide	R25	6	13	31	73	10	17								5.3027										5.3027	8.55274
Nitrogen Oxide	R25	6	14	31	72	10	17								5.3373										5.3373	8.60855
Nitrogen Oxide	R25	6	15	30	74	10	17								5.4146										5.4146	8.73323
Nitrogen Oxide	R25	6	16	30	74	10	17								5.4146										5.4146	8.73323
Nitrogen Oxide	R25	6	17	30	75	10	17								5.3819										5.3819	8.68048
Nitrogen Oxide	R25	6	18	29	79	10	17								5.4006										5.4006	8.71065
Nitrogen Oxide	R25	6	19	29	81	10	17								5.3392										5.3392	8.61161
Nitrogen Oxide	R25	6	20	28	83	10	17								5.4268										5.4268	8.7529
Nitrogen Oxide	R25	6	21	28	85	10	0								5.369										0	0
Nitrogen Oxide	R25	6	22	28	86	10	0								5.34										0	0
Nitrogen Oxide	R25	6	23	28	87	10	0								5.3111										0	0
Nitrogen Oxide	R25	6	24	28	87	10	0								5.3111										0	0
Nitrogen Oxide	R25	7	1	28	84	10	0								5.3979										0	0
Nitrogen Oxide	R25	7	2	28	84	10	0								5.3979										0	0
Nitrogen Oxide	R25	7	3	28	86	10	0								5.34										0	0
Nitrogen Oxide	R25	7	4	28	86	10	0								5.34										0	0
Nitrogen Oxide	R25	7	5	28	88	10	0								5.2923										0	0
Nitrogen Oxide	R25	7	6	27	88	10	0								5.4326										0	0
Nitrogen Oxide	R25	7	7	28	86	10	0								5.34										0	0
Nitrogen Oxide	R25	7	8	29	81	10	0								5.3392										0	0
Nitrogen Oxide	R25	7	9	30	76	10	17								5.3494										5.3494	8.62806
Nitrogen Oxide	R25	7	10	31	70	10	17								5.4065										5.4065	8.72016
Nitrogen Oxide	R25	7	11	31	68	10	17								5.4757										5.4757	8.83177
Nitrogen Oxide	R25	7	12	32	67	10	17								5.3713										5.3713	8.66339
Nitrogen Oxide	R25	7	13	32	66	10	17								5.4079										5.4079	8.72242
Nitrogen Oxide	R25	7	14	32	66	10	17								5.4079										5.4079	8.72242
Nitrogen Oxide	R25	7	15	31	68	10	17								5.4757										5.4757	8.83177
Nitrogen Oxide	R25	7	16	31	69	10	17								5.441										5.441	8.77581
Nitrogen Oxide	R25	7	17	31	70	10	17								5.4065										5.4065	8.72016
Nitrogen Oxide	R25	7	18	30	73	10	17								5.4472										5.4472	8.78581
Nitrogen Oxide	R25	7	19	29	76	10	17								5.4927										5.4927	8.85919
Nitrogen Oxide	R25	7	20	29	79	10	17								5.4006										5.4006	8.71065
Nitrogen Oxide	R25	7	21	29	81	10	0								5.3392										0	0
Nitrogen Oxide	R25	7	22	29	82	10	0								5.3084										0	0
Nitrogen Oxide	R25	7	23	28	83	10	0								5.4268										0	0
Nitrogen Oxide	R25	7	24	28	84	10	0								5.3979										0	0
Nitrogen Oxide	R25	8	1	27	90	10	0								5.3782										0	0
Nitrogen Oxide	R25	8	2	26	90	10	0								5.5244										0	0
Nitrogen Oxide	R25	8	3	26	91	10	0								5.4988										0	0
Nitrogen Oxide	R25	8	4	26	92	10	0								5.4732										0	0
Nitrogen Oxide	R25	8	5	26	93	10	0								5.4477										0	0
Nitrogen Oxide	R25	8	6	26	94	10	0								5.422										0	0
Nitrogen Oxide	R25	8	7	26	93	10	0								5.4477										0	0
Nitrogen Oxide	R25	8	8	27	87	10	0								5.4598										0	0
Nitrogen Oxide	R25	8	9	29	81	10	17								5.3392										5.3392	8.61161
Nitrogen Oxide	R25	8	10	30	76	10	17								5.3494										5.3494	8.62806
Nitrogen Oxide	R25	8	11	30	73	10	17								5.4472										5.4472	8.78581
Nitrogen Oxide	R25	8	12	30	73	10	17								5.4472										5.4472	8.78581
Nitrogen Oxide	R25	8	13	30	74	10	17								5.4146										5.4146	8.73323

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:
(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.
(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Oxide	R25	8	14	30	74	10	17								5.4146										5.4146	8.73323
Nitrogen Oxide	R25	8	15	30	75	10	17								5.3819										5.3819	8.68048
Nitrogen Oxide	R25	8	16	29	77	10	17								5.462										5.462	8.80968
Nitrogen Oxide	R25	8	17	29	79	10	17								5.4006										5.4006	8.71065
Nitrogen Oxide	R25	8	18	28	80	10	17								5.5136										5.5136	8.8929
Nitrogen Oxide	R25	8	19	28	82	10	17								5.4557										5.4557	8.79952
Nitrogen Oxide	R25	8	20	28	84	10	17								5.3979										5.3979	8.70629
Nitrogen Oxide	R25	8	21	27	85	10	0								5.5142										0	0
Nitrogen Oxide	R25	8	22	27	87	10	0								5.4598										0	0
Nitrogen Oxide	R25	8	23	27	88	10	0								5.4326										0	0
Nitrogen Oxide	R25	8	24	27	89	10	0								5.4054										0	0
Nitrogen Oxide	R25	9	1	27	89	10	0								5.4054										0	0
Nitrogen Oxide	R25	9	2	26	89	10	0								5.55										0	0
Nitrogen Oxide	R25	9	3	26	91	10	0								5.4988										0	0
Nitrogen Oxide	R25	9	4	26	92	10	0								5.4732										0	0
Nitrogen Oxide	R25	9	5	26	92	10	0								5.4732										0	0
Nitrogen Oxide	R25	9	6	26	93	10	0								5.4477										0	0
Nitrogen Oxide	R25	9	7	26	93	10	0								5.4477										0	0
Nitrogen Oxide	R25	9	8	27	88	10	0								5.4326										0	0
Nitrogen Oxide	R25	9	9	28	83	10	17								5.4268										5.4268	8.7529
Nitrogen Oxide	R25	9	10	29	78	10	17								5.4313										5.4313	8.76016
Nitrogen Oxide	R25	9	11	29	76	10	17								5.4927										5.4927	8.85919
Nitrogen Oxide	R25	9	12	29	76	10	17								5.4927										5.4927	8.85919
Nitrogen Oxide	R25	9	13	30	75	10	17								5.3819										5.3819	8.68048
Nitrogen Oxide	R25	9	14	29	75	10	17								5.5234										5.5234	8.90871
Nitrogen Oxide	R25	9	15	29	77	10	17								5.462										5.462	8.80968
Nitrogen Oxide	R25	9	16	29	76	10	17								5.4927										5.4927	8.85919
Nitrogen Oxide	R25	9	17	29	78	10	17								5.4313										5.4313	8.76016
Nitrogen Oxide	R25	9	18	28	81	10	17								5.4847										5.4847	8.84629
Nitrogen Oxide	R25	9	19	27	84	10	17								5.5415										5.5415	8.9379
Nitrogen Oxide	R25	9	20	27	86	10	17								5.482										5.482	8.85
Nitrogen Oxide	R25	9	21	27	87	10	0								5.4598										0	0
Nitrogen Oxide	R25	9	22	27	89	10	0								5.4054										0	0
Nitrogen Oxide	R25	9	23	27	89	10	0								5.4054										0	0
Nitrogen Oxide	R25	9	24	26	89	10	0								5.55										0	0
Nitrogen Oxide	R25	10	1	24	74	10	0								6.1561										0	0
Nitrogen Oxide	R25	10	2	23	74	10	0								6.2587										0	0
Nitrogen Oxide	R25	10	3	23	74	10	0								6.2587										0	0
Nitrogen Oxide	R25	10	4	23	75	10	0								6.2375										0	0
Nitrogen Oxide	R25	10	5	23	74	10	0								6.2587										0	0
Nitrogen Oxide	R25	10	6	23	75	10	0								6.2375										0	0
Nitrogen Oxide	R25	10	7	23	75	10	0								6.2375										0	0
Nitrogen Oxide	R25	10	8	23	72	10	0								6.301										0	0
Nitrogen Oxide	R25	10	9	24	69	10	17								6.269										6.269	10.11129
Nitrogen Oxide	R25	10	10	25	64	10	17								6.2882										6.2882	10.14226
Nitrogen Oxide	R25	10	11	26	61	10	17								6.2663										6.2663	10.10694
Nitrogen Oxide	R25	10	12	27	60	10	17								6.1944										6.1944	9.99097
Nitrogen Oxide	R25	10	13	27	59	10	17								6.2216										6.2216	10.03484
Nitrogen Oxide	R25	10	14	27	59	10	17								6.2216										6.2216	10.03484
Nitrogen Oxide	R25	10	15	27	60	10	17								6.1944										6.1944	9.99097
Nitrogen Oxide	R25	10	16	27	62	10	17								6.14										6.14	9.90323
Nitrogen Oxide	R25	10	17	26	65	10	17								6.1639										6.1639	9.94177
Nitrogen Oxide	R25	10	18	25	67	10	17								6.2161										6.2161	10.02597
Nitrogen Oxide	R25	10	19	25	69	10	17								6.168										6.168	9.94839
Nitrogen Oxide	R25	10	20	25	71	10	17								6.1199										6.1199	9.87081
Nitrogen Oxide	R25	10	21	24	71	10	0								6.2238										0	0
Nitrogen Oxide	R25	10	22	24	71	10	0								6.2238										0	0
Nitrogen Oxide	R25	10	23	24	72	10	0								6.2013										0	0
Nitrogen Oxide	R25	10	24	24	72	10	0								6.2013										0	0
Nitrogen Oxide	R25	11	1	21	75	10	0								6.4289										0	0
Nitrogen Oxide	R25	11	2	21	74	10	0								6.4476										0	0
Nitrogen Oxide	R25	11	3	21	74	10	0								6.4476										0	0
Nitrogen Oxide	R25	11	4	21	74	10	0								6.4476										0	0
Nitrogen Oxide	R25	11	5	21	74	10	0								6.4476										0	0
Nitrogen Oxide	R25	11	6	21	73	10	0								6.4662										0	0
Nitrogen Oxide	R25	11	7	21	73	10	0								6.4662										0	0
Nitrogen Oxide	R25	11	8	21	70	10	0								6.5221										0	0
Nitrogen Oxide	R25	11	9	22	66	10	17								6.5148										6.5148	10.50774
Nitrogen Oxide	R25	11	10	23	61	10	17								6.5342										6.5342	10.53903
Nitrogen Oxide	R25	11	11	25	57	10	17								6.4565										6.4565	10.41371
Nitrogen Oxide	R25	11	12	25	56	10	17								6.4806										6.4806	10.45258
Nitrogen Oxide	R25	11	13	25	56	10	17								6.4806										6.4806	10.45258
Nitrogen Oxide	R25	11	14	26	56	10	17								6.3942										6.3942	10.31323
Nitrogen Oxide	R25	11	15	26	57	10	17								6.3686										6.3686	10.27194
Nitrogen Oxide	R25	11	16	25	58	10	17								6.4325										6.4325	10.375
Nitrogen Oxide	R25	11	17	24	63	10	17								6.4043										6.4043	10.32984
Nitrogen Oxide	R25	11	18	23	66	10	17								6.4282										6.4282	10.36836
Nitrogen Oxide	R25	11	19	23	70	10	17								6.3435										6.3435	10.23145
Nitrogen Oxide	R25	11	20	22	70	10	17								6.4353										6.4353	10.37952
Nitrogen Oxide	R25	11	21	22	72	10	0								6.3955										0	0
Nitrogen Oxide	R25	11	22	22	74	10	0								6.3558										0	0
Nitrogen Oxide	R25	11	23	22	74	10	0								6.3558										0	0
Nitrogen Oxide	R25	11	24	21	74	10	0								6.4476										0	0
Nitrogen Oxide	R25	12	1	16	68	10	0								6.9143										0	0
Nitrogen Oxide	R25	12	2	16	69	10	0								6.9009										0	0
Nitrogen Oxide	R25	12	3	16	69	10	0								6.9009										0	0
Nitrogen Oxide	R25	12	4	15	70	10	0								6.9481										0	0
Nitrogen Oxide	R25	12	5	15	70	10	0								6.9481										0	0
Nitrogen Oxide	R25	12	6	15	70	10	0								6.9481										0	0
Nitrogen Oxide	R25	12	7	15	70	10	0								6.9481										0	0
Nitrogen Oxide	R25	12	8	15	69	10	0								6.9607										0	0
Nitrogen Oxide	R25	12	9	16	65	10	17								6.9546										6.9546	11.2171
Nitrogen Oxide	R25	12	10	17	62	10	17								6.9377										6.9377	11.18984
Nitrogen Oxide	R25	12	11	18	58	10	17								6.9365										6.9365	11.19065
Nitrogen Oxide	R25	12	12	19	57	10	17								6.8942										6.8942	11.11968
Nitrogen Oxide	R25	12	13	19	56	10	17								6.9105										6.9105	11.14597
Nitrogen Oxide	R25	12	14	19	56	10	17								6.9105										6.9105	11.14597
Nitrogen Oxide	R25	12	15	19	56	10	17								6.9105										6.9105	11.14597
Nitrogen Oxide	R25	12	16	19	57	10	17								6.8942										6.8942	11.11968
Nitrogen Oxide	R25	12	17	18	60	10	17								6.9076										6.9076	11.14129
Nitrogen Oxide	R25	12	18	18	64	10	17								6.8463										6.8463	11.04242
Nitrogen Oxide	R25	12	19	17	65	10	17								6.8947										6.8947	11.12048
Nitrogen Oxide	R25	12	20	17	66	10	17								6.8803										6.8803	11.09726
Nitrogen Oxide	R25	12	21	17	66	10	0								6.8803										0	0
Nitrogen Oxide	R25	12	22	16	66	10	0								6.9412										0	0
Nitrogen Oxide	R25	12	23	16	66	10	0								6.9412										0	0
Nitrogen Oxide	R25	12	24	16	67	10	0								6.9278										0	0
Nitrogen Oxide	R26	1	1	17	76	10	0								6.737										0	0
Nitrogen Oxide	R26	1	2	17	77	10	0								6.7226										0	0
Nitrogen Oxide	R26	1	3	17	77	10	0								6.7226										0	0
Nitrogen Oxide	R26	1	4	17	77	10	0								6.7226										0	0
Nitrogen Oxide	R26	1	5	17	78	10	0								6.7083										0	0
Nitrogen Oxide	R26	1	6	17	77	10	0								6.7226										0	0
Nitrogen Oxide	R26	1	7	16	77	10	0								6.7935										0	0
Nitrogen Oxide	R26	1	8	17	77	10	0								6.7226										0	0
Nitrogen Oxide	R26	1	9	17	73	10	17								6.7799										6.7799	10.93532
Nitrogen Oxide	R26	1	10	19	69	10	17								6.6978										6.6978	10.8029
Nitrogen Oxide	R26	1	11	20	64	10	17								6.7089										6.7089	10.82081
Nitrogen Oxide	R26	1	12	21	62	10	17								6.6712										6.6712	10.76
Nitrogen Oxide	R26	1	13	21	61	10	17								6.6898										6.6898	10.79
Nitrogen Oxide	R26	1	14	21	62	10	17								6.6712										6.6712	10.76
Nitrogen Oxide	R26	1	15	21	62	10	17								6.6712										6.6712	10.76
Nitrogen Oxide	R26	1	16	21	63	10	17								6.6526										6.6526	10.73
Nitrogen Oxide	R26	1	17	20	67	10	17								6.6565										6.6565	10.73629
Nitrogen Oxide	R26	1	18	19	72	10	17								6.6488										6.6488	10.72387
Nitrogen Oxide	R26	1	19	18	74	10	17								6.693										6.693	10.79516
Nitrogen Oxide	R26	1	20	18	74	10	17								6.693										6.693	10.79516
Nitrogen Oxide	R26	1	21	18	75	10	0								6.6778										0	0
Nitrogen Oxide	R26	1	22	18	76	10	0								6.6625										0	0
Nitrogen Oxide	R26	1	23	18	75	10	0								6.6778										0	0
Nitrogen Oxide	R26	1	24	17	76	10	0								6.737										0	0
Nitrogen Oxide	R26	2	1	17	78	10	0								6.7083										0	0
Nitrogen Oxide	R26	2	2	17	80	10	0								6.6795										0	0
Nitrogen Oxide	R26	2	3	17	81	10	0								6.6652										0	0
Nitrogen Oxide	R26	2	4	17	82	10	0								6.6509										0	0
Nitrogen Oxide	R26	2	5	16	83	10	0								6.7131										0	0
Nitrogen Oxide	R26	2	6	16	83	10	0								6.7131										0	0
Nitrogen Oxide	R26	2	7	16	83	10	0								6.7131										0	0
Nitrogen Oxide	R26	2	8	17	81	10	0								6.6652										0	0
Nitrogen Oxide	R26	2	9	18	77	10	17								6.6471										6.6471	10.72113
Nitrogen Oxide	R26	2	10	19	73	10	17								6.6324										6.6324	10.69742
Nitrogen Oxide	R26	2	11	20	70	10	17								6.6041										6.6041	10.65177
Nitrogen Oxide	R26	2	12	20	68	10	17								6.6391										6.6391	10.70823
Nitrogen Oxide	R26	2	13	21	65	10	17								6.6153										6.6153	10.66984
Nitrogen Oxide	R26	2	14	21	65	10	17								6.6153										6.6153	10.66984
Nitrogen Oxide	R26	2	15	21	66	10	17								6.5966										6.5966	10.63968
Nitrogen Oxide	R26	2	16	20	68	10	17								6.6391										6.6391	10.70823
Nitrogen Oxide	R26	2	17	20	70	10	17								6.6041										6.6041	10.65177
Nitrogen Oxide	R26	2	18	19	74	10	17								6.6161										6.6161	10.67113

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:
(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.
(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Oxide	R26	2	19	18	76	10	17								6.6625										6.6625	10.74597
Nitrogen Oxide	R26	2	20	18	78	10	17								6.6318										6.6318	10.69645
Nitrogen Oxide	R26	2	21	18	78	10	0								6.6318										0	0
Nitrogen Oxide	R26	2	22	18	78	10	0								6.6318										0	0
Nitrogen Oxide	R26	2	23	18	78	10	0								6.6318										0	0
Nitrogen Oxide	R26	2	24	18	78	10	0								6.6318										0	0
Nitrogen Oxide	R26	3	1	21	86	10	0								6.2239										0	0
Nitrogen Oxide	R26	3	2	20	87	10	0								6.3072										0	0
Nitrogen Oxide	R26	3	3	20	87	10	0								6.3072										0	0
Nitrogen Oxide	R26	3	4	20	87	10	0								6.3072										0	0
Nitrogen Oxide	R26	3	5	20	87	10	0								6.3072										0	0
Nitrogen Oxide	R26	3	6	20	87	10	0								6.3072										0	0
Nitrogen Oxide	R26	3	7	20	87	10	0								6.3072										0	0
Nitrogen Oxide	R26	3	8	20	86	10	0								6.3246										0	0
Nitrogen Oxide	R26	3	9	21	83	10	17								6.2798										6.2798	10.12871
Nitrogen Oxide	R26	3	10	22	79	10	17								6.2564										6.2564	10.09097
Nitrogen Oxide	R26	3	11	22	78	10	17								6.2763										6.2763	10.12306
Nitrogen Oxide	R26	3	12	23	77	10	17								6.1951										6.1951	9.9921
Nitrogen Oxide	R26	3	13	23	77	10	17								6.1951										6.1951	9.9921
Nitrogen Oxide	R26	3	14	23	77	10	17								6.1951										6.1951	9.9921
Nitrogen Oxide	R26	3	15	23	76	10	17								6.2164										6.2164	10.02645
Nitrogen Oxide	R26	3	16	23	77	10	17								6.1951										6.1951	9.9921
Nitrogen Oxide	R26	3	17	22	79	10	17								6.2564										6.2564	10.09097
Nitrogen Oxide	R26	3	18	22	82	10	17								6.1968										6.1968	9.99484
Nitrogen Oxide	R26	3	19	21	84	10	17								6.2612										6.2612	10.09871
Nitrogen Oxide	R26	3	20	21	85	10	17								6.2425										6.2425	10.06855
Nitrogen Oxide	R26	3	21	21	86	10	0								6.2239										0	0
Nitrogen Oxide	R26	3	22	21	86	10	0								6.2239										0	0
Nitrogen Oxide	R26	3	23	21	85	10	0								6.2425										0	0
Nitrogen Oxide	R26	3	24	21	86	10	0								6.2239										0	0
Nitrogen Oxide	R26	4	1	20	83	10	0								6.372										0	0
Nitrogen Oxide	R26	4	2	20	85	10	0								6.3421										0	0
Nitrogen Oxide	R26	4	3	20	84	10	0								6.3596										0	0
Nitrogen Oxide	R26	4	4	20	85	10	0								6.3421										0	0
Nitrogen Oxide	R26	4	5	19	84	10	0								6.4525										0	0
Nitrogen Oxide	R26	4	6	19	84	10	0								6.4525										0	0
Nitrogen Oxide	R26	4	7	20	84	10	0								6.3596										0	0
Nitrogen Oxide	R26	4	8	21	79	10	0								6.3544										0	0
Nitrogen Oxide	R26	4	9	22	73	10	17								6.3756										6.3756	10.28323
Nitrogen Oxide	R26	4	10	23	69	10	17								6.3646										6.3646	10.26548
Nitrogen Oxide	R26	4	11	23	68	10	17								6.3858										6.3858	10.29968
Nitrogen Oxide	R26	4	12	24	66	10	17								6.3367										6.3367	10.22048
Nitrogen Oxide	R26	4	13	24	65	10	17								6.3593										6.3593	10.25694
Nitrogen Oxide	R26	4	14	24	66	10	17								6.3367										6.3367	10.22048
Nitrogen Oxide	R26	4	15	24	66	10	17								6.3367										6.3367	10.22048
Nitrogen Oxide	R26	4	16	24	67	10	17								6.3141										6.3141	10.18403
Nitrogen Oxide	R26	4	17	23	69	10	17								6.3646										6.3646	10.26548
Nitrogen Oxide	R26	4	18	22	74	10	17								6.3558										6.3558	10.25129
Nitrogen Oxide	R26	4	19	22	76	10	17								6.316										6.316	10.1871
Nitrogen Oxide	R26	4	20	21	79	10	17								6.3544										6.3544	10.24903
Nitrogen Oxide	R26	4	21	21	80	10	0								6.3357										0	0
Nitrogen Oxide	R26	4	22	21	81	10	0								6.3171										0	0
Nitrogen Oxide	R26	4	23	21	82	10	0								6.2985										0	0
Nitrogen Oxide	R26	4	24	20	82	10	0								6.3945										0	0
Nitrogen Oxide	R26	5	1	26	91	10	0								5.4988										0	0
Nitrogen Oxide	R26	5	2	25	92	10	0								5.6151										0	0
Nitrogen Oxide	R26	5	3	25	92	10	0								5.6151										0	0
Nitrogen Oxide	R26	5	4	25	91	10	0								5.6392										0	0
Nitrogen Oxide	R26	5	5	25	92	10	0								5.6151										0	0
Nitrogen Oxide	R26	5	6	25	93	10	0								5.5911										0	0
Nitrogen Oxide	R26	5	7	26	91	10	0								5.4988										0	0
Nitrogen Oxide	R26	5	8	27	85	10	0								5.5142										0	0
Nitrogen Oxide	R26	5	9	28	80	10	17								5.5136										5.5136	8.8929
Nitrogen Oxide	R26	5	10	28	78	10	17								5.5714										5.5714	8.98613
Nitrogen Oxide	R26	5	11	29	77	10	17								5.462										5.462	8.80968
Nitrogen Oxide	R26	5	12	29	75	10	17								5.5234										5.5234	8.90871
Nitrogen Oxide	R26	5	13	29	74	10	17								5.5541										5.5541	8.95823
Nitrogen Oxide	R26	5	14	29	75	10	17								5.5234										5.5234	8.90871
Nitrogen Oxide	R26	5	15	29	75	10	17								5.5234										5.5234	8.90871
Nitrogen Oxide	R26	5	16	29	77	10	17								5.462										5.462	8.80968
Nitrogen Oxide	R26	5	17	28	78	10	17								5.5714										5.5714	8.98613
Nitrogen Oxide	R26	5	18	28	81	10	17								5.4847										5.4847	8.84629
Nitrogen Oxide	R26	5	19	27	84	10	17								5.5415										5.5415	8.9379
Nitrogen Oxide	R26	5	20	27	87	10	17								5.4598										5.4598	8.80613
Nitrogen Oxide	R26	5	21	27	88	10	0								5.4326										0	0
Nitrogen Oxide	R26	5	22	26	89	10	0								5.55										0	0
Nitrogen Oxide	R26	5	23	26	89	10	0								5.55										0	0
Nitrogen Oxide	R26	5	24	26	90	10	0								5.5244										0	0
Nitrogen Oxide	R26	6	1	28	88	10	0								5.2823										0	0
Nitrogen Oxide	R26	6	2	27	89	10	0								5.4054										0	0
Nitrogen Oxide	R26	6	3	27	89	10	0								5.4054										0	0
Nitrogen Oxide	R26	6	4	27	88	10	0								5.4326										0	0
Nitrogen Oxide	R26	6	5	27	89	10	0								5.4054										0	0
Nitrogen Oxide	R26	6	6	27	90	10	0								5.3782										0	0
Nitrogen Oxide	R26	6	7	28	87	10	0								5.3111										0	0
Nitrogen Oxide	R26	6	8	29	82	10	0								5.3084										0	0
Nitrogen Oxide	R26	6	9	29	79	10	17								5.4006										5.4006	8.71065
Nitrogen Oxide	R26	6	10	30	76	10	17								5.3494										5.3494	8.62806
Nitrogen Oxide	R26	6	11	30	75	10	17								5.3819										5.3819	8.68048
Nitrogen Oxide	R26	6	12	30	74	10	17								5.4146										5.4146	8.73323
Nitrogen Oxide	R26	6	13	31	73	10	17								5.3027										5.3027	8.55274
Nitrogen Oxide	R26	6	14	31	72	10	17								5.3373										5.3373	8.60855
Nitrogen Oxide	R26	6	15	30	74	10	17								5.4146										5.4146	8.73323
Nitrogen Oxide	R26	6	16	30	74	10	17								5.4146										5.4146	8.73323
Nitrogen Oxide	R26	6	17	30	75	10	17								5.3819										5.3819	8.68048
Nitrogen Oxide	R26	6	18	29	79	10	17								5.4006										5.4006	8.71065
Nitrogen Oxide	R26	6	19	29	81	10	17								5.3392										5.3392	8.61161
Nitrogen Oxide	R26	6	20	28	83	10	17								5.4268										5.4268	8.7529
Nitrogen Oxide	R26	6	21	28	85	10	0								5.369										0	0
Nitrogen Oxide	R26	6	22	28	86	10	0								5.34										0	0
Nitrogen Oxide	R26	6	23	28	87	10	0								5.3111										0	0
Nitrogen Oxide	R26	6	24	28	87	10	0								5.3111										0	0
Nitrogen Oxide	R26	7	1	28	84	10	0								5.3979										0	0
Nitrogen Oxide	R26	7	2	28	84	10	0								5.3979										0	0
Nitrogen Oxide	R26	7	3	28	86	10	0								5.34										0	0
Nitrogen Oxide	R26	7	4	28	86	10	0								5.34										0	0
Nitrogen Oxide	R26	7	5	28	88	10	0								5.2823										0	0
Nitrogen Oxide	R26	7	6	27	88	10	0								5.4326										0	0
Nitrogen Oxide	R26	7	7	28	86	10	0								5.34										0	0
Nitrogen Oxide	R26	7	8	29	81	10	0								5.3392										0	0
Nitrogen Oxide	R26	7	9	30	76	10	17								5.3494										5.3494	8.62806
Nitrogen Oxide	R26	7	10	31	70	10	17								5.4065										5.4065	8.72016
Nitrogen Oxide	R26	7	11	31	68	10	17								5.4757										5.4757	8.83177
Nitrogen Oxide	R26	7	12	32	67	10	17								5.3713										5.3713	8.66339
Nitrogen Oxide	R26	7	13	32	66	10	17								5.4079										5.4079	8.72242
Nitrogen Oxide	R26	7	14	32	66	10	17								5.4079										5.4079	8.72242
Nitrogen Oxide	R26	7	15	31	68	10	17								5.4757										5.4757	8.83177
Nitrogen Oxide	R26	7	16	31	69	10	17								5.441										5.441	8.77581
Nitrogen Oxide	R26	7	17	31	70	10	17								5.4065										5.4065	8.72016
Nitrogen Oxide	R26	7	18	30	73	10	17								5.4472										5.4472	8.78581
Nitrogen Oxide	R26	7	19	29	76	10	17								5.4927										5.4927	8.85919
Nitrogen Oxide	R26	7	20	29	79	10	17								5.4006										5.4006	8.71065
Nitrogen Oxide	R26	7	21	29	81	10	0								5.3392										0	0
Nitrogen Oxide	R26	7	22	29	82	10	0								5.3084										0	0
Nitrogen Oxide	R26	7	23	28	83	10	0								5.4268										0	0
Nitrogen Oxide	R26	7	24	28	84	10	0								5.3979										0	0
Nitrogen Oxide	R26	8	1	27	90	10	0								5.3782										0	0
Nitrogen Oxide	R26	8	2	26	90	10	0								5.5244										0	0
Nitrogen Oxide	R26	8	3	26	91	10	0								5.4988										0	0
Nitrogen Oxide	R26	8	4	26	92	10	0								5.4732										0	0
Nitrogen Oxide	R26	8	5	26	93	10	0								5.4477										0	0
Nitrogen Oxide	R26	8	6	26	94	10	0								5.422										0	0
Nitrogen Oxide	R26	8	7	26	93	10	0								5.4477										0	0
Nitrogen Oxide	R26	8	8	27	87	10	0								5.4598										0	0
Nitrogen Oxide	R26	8	9	29	81	10	17								5.3392										5.3392	8.61161
Nitrogen Oxide	R26	8	10	30	76	10	17								5.3494										5.3494	8.62806
Nitrogen Oxide	R26	8	11	30	73	10	17								5.4472										5.4472	8.78581
Nitrogen Oxide	R26	8	12	30	73	10	17								5.4472										5.4472	8.78581
Nitrogen Oxide	R26	8	13	30	74	10	17								5.4146										5.4146	8.73323
Nitrogen Oxide	R26	8	14	30	74	10	17								5.4146										5.4146	8.73323
Nitrogen Oxide	R26	8	15	30	75	10	17								5.3819										5.3819	8.68048
Nitrogen Oxide	R26	8	16	29	77	10	17								5.462										5.462	8.80968
Nitrogen Oxide	R26	8	17	29	79	10	17								5.4006										5.4006	8.71065
Nitrogen Oxide	R26	8	18	28	80	10	17								5.5136										5.5136	8.8929
Nitrogen Oxide	R26	8	19	28	82	10	17								5.4557										5.4557	8.79952
Nitrogen Oxide	R26	8	20	28	84	10	17								5.3979										5.3979	8.70629
Nitrogen Oxide	R26	8	21	27	85	10	0								5.5142										0	0
Nitrogen Oxide	R26	8	22	27	87	10	0								5.4598										0	0
Nitrogen Oxide	R26	8	23	27	88	10	0								5.4326										0	0

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:
(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.
(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Oxide	R26	8	24	27	89	10	0								5.4054										0	0
Nitrogen Oxide	R26	9	1	27	89	10	0								5.4054										0	0
Nitrogen Oxide	R26	9	2	26	89	10	0								5.55										0	0
Nitrogen Oxide	R26	9	3	26	91	10	0								5.4988										0	0
Nitrogen Oxide	R26	9	4	26	92	10	0								5.4732										0	0
Nitrogen Oxide	R26	9	5	26	92	10	0								5.4732										0	0
Nitrogen Oxide	R26	9	6	26	93	10	0								5.4477										0	0
Nitrogen Oxide	R26	9	7	26	93	10	0								5.4477										0	0
Nitrogen Oxide	R26	9	8	27	88	10	0								5.4326										0	0
Nitrogen Oxide	R26	9	9	28	83	10	12								5.4268										5.4268	8.7529
Nitrogen Oxide	R26	9	10	29	78	10	17								5.4313										5.4313	8.76016
Nitrogen Oxide	R26	9	11	29	76	10	17								5.4927										5.4927	8.85919
Nitrogen Oxide	R26	9	12	29	76	10	17								5.4927										5.4927	8.85919
Nitrogen Oxide	R26	9	13	30	75	10	17								5.3819										5.3819	8.68048
Nitrogen Oxide	R26	9	14	29	75	10	17								5.5234										5.5234	8.90871
Nitrogen Oxide	R26	9	15	29	77	10	17								5.462										5.462	8.80968
Nitrogen Oxide	R26	9	16	29	76	10	17								5.4927										5.4927	8.85919
Nitrogen Oxide	R26	9	17	29	78	10	17								5.4313										5.4313	8.76016
Nitrogen Oxide	R26	9	18	28	81	10	17								5.4847										5.4847	8.84629
Nitrogen Oxide	R26	9	19	27	84	10	17								5.5415										5.5415	8.9379
Nitrogen Oxide	R26	9	20	27	86	10	17								5.487										5.487	8.85
Nitrogen Oxide	R26	9	21	27	87	10	0								5.4598										0	0
Nitrogen Oxide	R26	9	22	27	89	10	0								5.4054										0	0
Nitrogen Oxide	R26	9	23	27	89	10	0								5.4054										0	0
Nitrogen Oxide	R26	9	24	26	89	10	0								5.55										0	0
Nitrogen Oxide	R26	10	1	24	74	10	0								6.1561										0	0
Nitrogen Oxide	R26	10	2	23	74	10	0								6.2587										0	0
Nitrogen Oxide	R26	10	3	23	74	10	0								6.2587										0	0
Nitrogen Oxide	R26	10	4	23	75	10	0								6.2375										0	0
Nitrogen Oxide	R26	10	5	23	74	10	0								6.2587										0	0
Nitrogen Oxide	R26	10	6	23	75	10	0								6.2375										0	0
Nitrogen Oxide	R26	10	7	23	75	10	0								6.2375										0	0
Nitrogen Oxide	R26	10	8	23	72	10	0								6.301										0	0
Nitrogen Oxide	R26	10	9	24	69	10	17								6.269										6.269	10.11129
Nitrogen Oxide	R26	10	10	25	64	10	17								6.2882										6.2882	10.14226
Nitrogen Oxide	R26	10	11	26	61	10	17								6.2663										6.2663	10.10694
Nitrogen Oxide	R26	10	12	27	60	10	17								6.1944										6.1944	9.99097
Nitrogen Oxide	R26	10	13	27	59	10	17								6.2216										6.2216	10.03484
Nitrogen Oxide	R26	10	14	27	59	10	17								6.2216										6.2216	10.03484
Nitrogen Oxide	R26	10	15	27	60	10	17								6.1944										6.1944	9.99097
Nitrogen Oxide	R26	10	16	27	62	10	17								6.14										6.14	9.90323
Nitrogen Oxide	R26	10	17	26	65	10	17								6.1639										6.1639	9.94177
Nitrogen Oxide	R26	10	18	25	67	10	17								6.2161										6.2161	10.02597
Nitrogen Oxide	R26	10	19	25	69	10	17								6.168										6.1681	9.94839
Nitrogen Oxide	R26	10	20	25	71	10	17								6.1199										6.1199	9.87081
Nitrogen Oxide	R26	10	21	24	71	10	0								6.2238										0	0
Nitrogen Oxide	R26	10	22	24	71	10	0								6.2238										0	0
Nitrogen Oxide	R26	10	23	24	72	10	0								6.2013										0	0
Nitrogen Oxide	R26	10	24	24	72	10	0								6.2013										0	0
Nitrogen Oxide	R26	11	1	21	75	10	0								6.4289										0	0
Nitrogen Oxide	R26	11	2	21	74	10	0								6.4476										0	0
Nitrogen Oxide	R26	11	3	21	74	10	0								6.4476										0	0
Nitrogen Oxide	R26	11	4	21	74	10	0								6.4476										0	0
Nitrogen Oxide	R26	11	5	21	74	10	0								6.4476										0	0
Nitrogen Oxide	R26	11	6	21	73	10	0								6.4662										0	0
Nitrogen Oxide	R26	11	7	21	73	10	0								6.4662										0	0
Nitrogen Oxide	R26	11	8	21	70	10	0								6.5221										0	0
Nitrogen Oxide	R26	11	9	22	66	10	17								6.5148										6.5148	10.50774
Nitrogen Oxide	R26	11	10	23	61	10	17								6.5342										6.5342	10.53903
Nitrogen Oxide	R26	11	11	25	57	10	17								6.4565										6.4565	10.41371
Nitrogen Oxide	R26	11	12	25	56	10	17								6.4806										6.4806	10.45258
Nitrogen Oxide	R26	11	13	25	56	10	17								6.4806										6.4806	10.45258
Nitrogen Oxide	R26	11	14	26	56	10	17								6.3942										6.3942	10.31323
Nitrogen Oxide	R26	11	15	26	57	10	17								6.3686										6.3686	10.27194
Nitrogen Oxide	R26	11	16	25	58	10	17								6.4325										6.4325	10.375
Nitrogen Oxide	R26	11	17	24	63	10	17								6.4045										6.4045	10.32984
Nitrogen Oxide	R26	11	18	23	66	10	17								6.4282										6.4282	10.36806
Nitrogen Oxide	R26	11	19	23	70	10	17								6.3435										6.3435	10.23145
Nitrogen Oxide	R26	11	20	22	70	10	17								6.4353										6.4353	10.37952
Nitrogen Oxide	R26	11	21	22	72	10	0								6.3955										0	0
Nitrogen Oxide	R26	11	22	22	74	10	0								6.3558										0	0
Nitrogen Oxide	R26	11	23	22	74	10	0								6.3558										0	0
Nitrogen Oxide	R26	11	24	21	74	10	0								6.4476										0	0
Nitrogen Oxide	R26	12	1	16	68	10	0								6.9143										0	0
Nitrogen Oxide	R26	12	2	16	69	10	0								6.9009										0	0
Nitrogen Oxide	R26	12	3	16	69	10	0								6.9009										0	0
Nitrogen Oxide	R26	12	4	15	70	10	0								6.9481										0	0
Nitrogen Oxide	R26	12	5	15	70	10	0								6.9481										0	0
Nitrogen Oxide	R26	12	6	15	70	10	0								6.9481										0	0
Nitrogen Oxide	R26	12	7	15	70	10	0								6.9481										0	0
Nitrogen Oxide	R26	12	8	15	69	10	0								6.9607										0	0
Nitrogen Oxide	R26	12	9	16	65	10	17								6.9546										6.9546	11.2171
Nitrogen Oxide	R26	12	10	17	62	10	17								6.9377										6.9377	11.18984
Nitrogen Oxide	R26	12	11	18	58	10	17								6.9382										6.9382	11.19065
Nitrogen Oxide	R26	12	12	19	57	10	17								6.8942										6.8942	11.11968
Nitrogen Oxide	R26	12	13	19	56	10	17								6.9105										6.9105	11.14597
Nitrogen Oxide	R26	12	14	19	56	10	17								6.9105										6.9105	11.14597
Nitrogen Oxide	R26	12	15	19	56	10	17								6.9105										6.9105	11.14597
Nitrogen Oxide	R26	12	16	19	57	10	17								6.8942										6.8942	11.11968
Nitrogen Oxide	R26	12	17	18	60	10	17								6.9076										6.9076	11.14129
Nitrogen Oxide	R26	12	18	18	64	10	17								6.8463										6.8463	11.04242
Nitrogen Oxide	R26	12	19	17	65	10	17								6.8947										6.8947	11.12048
Nitrogen Oxide	R26	12	20	17	66	10	17								6.8803										6.8803	11.09726
Nitrogen Oxide	R26	12	21	17	66	10	0								6.8803										0	0
Nitrogen Oxide	R26	12	22	16	66	10	0								6.9412										0	0
Nitrogen Oxide	R26	12	23	16	66	10	0								6.9412										0	0
Nitrogen Oxide	R26	12	24	16	67	10	0								6.9278										0	0
Nitrogen Oxide	R27	1	1	17	76	10	0								6.737										0	0
Nitrogen Oxide	R27	1	2	17	77	10	0								6.7226										0	0
Nitrogen Oxide	R27	1	3	17	77	10	0								6.7226										0	0
Nitrogen Oxide	R27	1	4	17	77	10	0								6.7226										0	0
Nitrogen Oxide	R27	1	5	17	78	10	0								6.7083										0	0
Nitrogen Oxide	R27	1	6	17	77	10	0								6.7226										0	0
Nitrogen Oxide	R27	1	7	16	77	10	0								6.7935										0	0
Nitrogen Oxide	R27	1	8	17	77	10	0								6.7226										0	0
Nitrogen Oxide	R27	1	9	17	73	10	12								6.7799										6.7799	10.93532
Nitrogen Oxide	R27	1	10	19	69	10	17								6.6978										6.6978	10.8029
Nitrogen Oxide	R27	1	11	20	64	10	17								6.7089										6.7089	10.82081
Nitrogen Oxide	R27	1	12	21	62	10	17								6.6712										6.6712	10.76
Nitrogen Oxide	R27	1	13	21	61	10	17								6.6898										6.6898	10.79
Nitrogen Oxide	R27	1	14	21	62	10	17								6.6712										6.6712	10.76
Nitrogen Oxide	R27	1	15	21	62	10	17								6.6712										6.6712	10.76
Nitrogen Oxide	R27	1	16	21	63	10	17								6.6526										6.6526	10.73
Nitrogen Oxide	R27	1	17	20	67	10	17								6.6565										6.6565	10.73629
Nitrogen Oxide	R27	1	18	19	72	10	17								6.6488										6.6488	10.72387
Nitrogen Oxide	R27	1	19	18	74	10	17								6.693										6.693	10.79516
Nitrogen Oxide	R27	1	20	18	74	10	17								6.693										6.693	10.79516
Nitrogen Oxide	R27	1	21	18	75	10	0								6.6778										0	0
Nitrogen Oxide	R27	1	22	18	76	10	0								6.6625										0	0
Nitrogen Oxide	R27	1	23	18	75	10	0								6.6778										0	0
Nitrogen Oxide	R27	1	24	17	76	10	0								6.737										0	0
Nitrogen Oxide	R27	2	1	17	78	10	0								6.7083										0	0
Nitrogen Oxide	R27	2	2	17	80	10	0								6.6795										0	0
Nitrogen Oxide	R27	2	3	17	81	10	0								6.6652										0	0
Nitrogen Oxide	R27	2	4	17	82	10	0								6.6509										0	0
Nitrogen Oxide	R27	2	5	16	83	10	0								6.7131										0	0
Nitrogen Oxide	R27	2	6	16	83	10	0								6.7131										0	0
Nitrogen Oxide	R27	2	7	16	83	10	0								6.7131										0	0
Nitrogen Oxide	R27	2	8	17	81	10	0								6.6652										0	0
Nitrogen Oxide	R27	2	9	18	77	10	17								6.6471										6.6471	10.72113
Nitrogen Oxide	R27	2	10	19	73	10	17								6.6324										6.6324	10.69742
Nitrogen Oxide	R27	2	11	20	70	10	17								6.6041										6.6041	10.65177
Nitrogen Oxide	R27	2	12	20	68	10	17								6.6391										6.6391	10.70823
Nitrogen Oxide	R27	2	13	21	65	10	17								6.6153										6.6153	10.66984
Nitrogen Oxide	R27	2	14	21	65	10	17								6.6153										6.6153	10.66984
Nitrogen Oxide	R27	2	15	21	66	10	17								6.5966										6.5966	10.63968
Nitrogen Oxide	R27	2	16	20	68	10	17								6.6391										6.6391	10.70823
Nitrogen Oxide	R27	2	17	20	70	10	17								6.6041										6.6041	10.65177
Nitrogen Oxide	R27	2	18	19	74	10	17								6.6161										6.6161	10.67113
Nitrogen Oxide	R27	2	19	18	76	10	17								6.6625										6.6625	10.74597
Nitrogen Oxide	R27	2	20	18	78	10	17								6.6318										6.6318	10.69645
Nitrogen Oxide	R27	2	21	18	78	10	0								6.6318										0	0
Nitrogen Oxide	R27	2	22	18	78	10	0								6.6318										0	0
Nitrogen Oxide	R27	2	23	18	78	10	0								6.6318										0	0
Nitrogen Oxide	R27	2	24	18	78	10	0								6.6318										0	0
Nitrogen Oxide	R27	3	1	21	86	10	0								6.2239										0	0
Nitrogen Oxide	R27	3	2	20	87	10	0								6.3072										0	0
Nitrogen Oxide	R27	3	3	20	87	10	0								6.3072										0	0
Nitrogen Oxide	R27	3	4	20	87	10	0								6.3072										0	0

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:
(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.
(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Oxide	R27	3	5	20	87	10	0								6.3072										0	0
Nitrogen Oxide	R27	3	6	20	87	10	0								6.3072										0	0
Nitrogen Oxide	R27	3	7	20	87	10	0								6.3072										0	0
Nitrogen Oxide	R27	3	8	20	86	10	0								6.3246										0	0
Nitrogen Oxide	R27	3	9	21	83	10	17								6.2798										6.2798	10.12871
Nitrogen Oxide	R27	3	10	22	79	10	17								6.2564										6.2564	10.09097
Nitrogen Oxide	R27	3	11	22	78	10	17								6.2763										6.2763	10.12306
Nitrogen Oxide	R27	3	12	23	77	10	17								6.1951										6.1951	9.9921
Nitrogen Oxide	R27	3	13	23	77	10	17								6.1951										6.1951	9.9921
Nitrogen Oxide	R27	3	14	23	77	10	17								6.1951										6.1951	9.9921
Nitrogen Oxide	R27	3	15	23	76	10	17								6.2164										6.2164	10.02645
Nitrogen Oxide	R27	3	16	23	77	10	17								6.1951										6.1951	9.9921
Nitrogen Oxide	R27	3	17	22	79	10	17								6.2564										6.2564	10.09097
Nitrogen Oxide	R27	3	18	22	82	10	17								6.1968										6.1968	9.99484
Nitrogen Oxide	R27	3	19	21	84	10	17								6.2612										6.2612	10.09871
Nitrogen Oxide	R27	3	20	21	85	10	17								6.2425										6.2425	10.06855
Nitrogen Oxide	R27	3	21	21	86	10	0								6.2239										0	0
Nitrogen Oxide	R27	3	22	21	86	10	0								6.2239										0	0
Nitrogen Oxide	R27	3	23	21	85	10	0								6.2425										0	0
Nitrogen Oxide	R27	3	24	21	86	10	0								6.2239										0	0
Nitrogen Oxide	R27	4	1	20	83	10	0								6.377										0	0
Nitrogen Oxide	R27	4	2	20	85	10	0								6.3421										0	0
Nitrogen Oxide	R27	4	3	20	84	10	0								6.3596										0	0
Nitrogen Oxide	R27	4	4	20	85	10	0								6.3421										0	0
Nitrogen Oxide	R27	4	5	19	84	10	0								6.4525										0	0
Nitrogen Oxide	R27	4	6	19	84	10	0								6.4525										0	0
Nitrogen Oxide	R27	4	7	20	84	10	0								6.3596										0	0
Nitrogen Oxide	R27	4	8	21	79	10	0								6.3544										0	0
Nitrogen Oxide	R27	4	9	22	73	10	17								6.3756										6.3756	10.28323
Nitrogen Oxide	R27	4	10	23	69	10	17								6.3646										6.3646	10.26548
Nitrogen Oxide	R27	4	11	23	68	10	17								6.3858										6.3858	10.29968
Nitrogen Oxide	R27	4	12	24	66	10	17								6.3367										6.3367	10.22048
Nitrogen Oxide	R27	4	13	24	65	10	17								6.3593										6.3593	10.25694
Nitrogen Oxide	R27	4	14	24	66	10	17								6.3367										6.3367	10.22048
Nitrogen Oxide	R27	4	15	24	66	10	17								6.3367										6.3367	10.22048
Nitrogen Oxide	R27	4	16	24	67	10	17								6.3141										6.3141	10.18403
Nitrogen Oxide	R27	4	17	23	69	10	17								6.3646										6.3646	10.26548
Nitrogen Oxide	R27	4	18	22	74	10	17								6.3558										6.3558	10.25129
Nitrogen Oxide	R27	4	19	22	76	10	17								6.316										6.316	10.1871
Nitrogen Oxide	R27	4	20	21	79	10	17								6.3544										6.3544	10.24903
Nitrogen Oxide	R27	4	21	21	80	10	0								6.3357										0	0
Nitrogen Oxide	R27	4	22	21	81	10	0								6.3171										0	0
Nitrogen Oxide	R27	4	23	21	82	10	0								6.2985										0	0
Nitrogen Oxide	R27	4	24	20	82	10	0								6.3945										0	0
Nitrogen Oxide	R27	5	1	26	91	10	0								5.4988										0	0
Nitrogen Oxide	R27	5	2	25	92	10	0								5.6151										0	0
Nitrogen Oxide	R27	5	3	25	92	10	0								5.6151										0	0
Nitrogen Oxide	R27	5	4	25	91	10	0								5.6392										0	0
Nitrogen Oxide	R27	5	5	25	92	10	0								5.6151										0	0
Nitrogen Oxide	R27	5	6	25	93	10	0								5.5911										0	0
Nitrogen Oxide	R27	5	7	26	91	10	0								5.4988										0	0
Nitrogen Oxide	R27	5	8	27	85	10	0								5.5142										0	0
Nitrogen Oxide	R27	5	9	28	80	10	17								5.5136										5.5136	8.8929
Nitrogen Oxide	R27	5	10	28	78	10	17								5.5714										5.5714	8.98613
Nitrogen Oxide	R27	5	11	29	77	10	17								5.462										5.462	8.80968
Nitrogen Oxide	R27	5	12	29	75	10	17								5.5234										5.5234	8.90871
Nitrogen Oxide	R27	5	13	29	74	10	17								5.5541										5.5541	8.95823
Nitrogen Oxide	R27	5	14	29	75	10	17								5.5234										5.5234	8.90871
Nitrogen Oxide	R27	5	15	29	75	10	17								5.5234										5.5234	8.90871
Nitrogen Oxide	R27	5	16	29	77	10	17								5.462										5.462	8.80968
Nitrogen Oxide	R27	5	17	28	78	10	17								5.5714										5.5714	8.98613
Nitrogen Oxide	R27	5	18	28	81	10	17								5.4847										5.4847	8.84629
Nitrogen Oxide	R27	5	19	27	84	10	17								5.5415										5.5415	8.9379
Nitrogen Oxide	R27	5	20	27	87	10	17								5.4598										5.4598	8.80613
Nitrogen Oxide	R27	5	21	27	88	10	0								5.4326										0	0
Nitrogen Oxide	R27	5	22	26	89	10	0								5.55										0	0
Nitrogen Oxide	R27	5	23	26	89	10	0								5.55										0	0
Nitrogen Oxide	R27	5	24	26	90	10	0								5.5244										0	0
Nitrogen Oxide	R27	6	1	28	88	10	0								5.2823										0	0
Nitrogen Oxide	R27	6	2	27	89	10	0								5.4054										0	0
Nitrogen Oxide	R27	6	3	27	89	10	0								5.4054										0	0
Nitrogen Oxide	R27	6	4	27	88	10	0								5.4326										0	0
Nitrogen Oxide	R27	6	5	27	89	10	0								5.4054										0	0
Nitrogen Oxide	R27	6	6	27	90	10	0								5.3782										0	0
Nitrogen Oxide	R27	6	7	28	87	10	0								5.3111										0	0
Nitrogen Oxide	R27	6	8	29	82	10	0								5.3084										0	0
Nitrogen Oxide	R27	6	9	29	79	10	17								5.4006										5.4006	8.71065
Nitrogen Oxide	R27	6	10	30	76	10	17								5.3494										5.3494	8.62806
Nitrogen Oxide	R27	6	11	30	75	10	17								5.3819										5.3819	8.68048
Nitrogen Oxide	R27	6	12	30	74	10	17								5.4146										5.4146	8.73323
Nitrogen Oxide	R27	6	13	31	73	10	17								5.3027										5.3027	8.55274
Nitrogen Oxide	R27	6	14	31	72	10	17								5.3373										5.3373	8.60855
Nitrogen Oxide	R27	6	15	30	74	10	17								5.4146										5.4146	8.73323
Nitrogen Oxide	R27	6	16	30	74	10	17								5.4146										5.4146	8.73323
Nitrogen Oxide	R27	6	17	30	75	10	17								5.3819										5.3819	8.68048
Nitrogen Oxide	R27	6	18	29	79	10	17								5.4006										5.4006	8.71065
Nitrogen Oxide	R27	6	19	29	81	10	17								5.3392										5.3392	8.61161
Nitrogen Oxide	R27	6	20	28	83	10	17								5.4268										5.4268	8.7529
Nitrogen Oxide	R27	6	21	28	85	10	0								5.369										0	0
Nitrogen Oxide	R27	6	22	28	86	10	0								5.34										0	0
Nitrogen Oxide	R27	6	23	28	87	10	0								5.3111										0	0
Nitrogen Oxide	R27	6	24	28	87	10	0								5.3111										0	0
Nitrogen Oxide	R27	7	1	28	84	10	0								5.3979										0	0
Nitrogen Oxide	R27	7	2	28	84	10	0								5.3979										0	0
Nitrogen Oxide	R27	7	3	28	86	10	0								5.34										0	0
Nitrogen Oxide	R27	7	4	28	86	10	0								5.34										0	0
Nitrogen Oxide	R27	7	5	28	88	10	0								5.2823										0	0
Nitrogen Oxide	R27	7	6	27	88	10	0								5.4326										0	0
Nitrogen Oxide	R27	7	7	28	86	10	0								5.34										0	0
Nitrogen Oxide	R27	7	8	29	81	10	0								5.3392										0	0
Nitrogen Oxide	R27	7	9	30	76	10	17								5.3494										5.3494	8.62806
Nitrogen Oxide	R27	7	10	31	70	10	17								5.4065										5.4065	8.72016
Nitrogen Oxide	R27	7	11	31	68	10	17								5.4757										5.4757	8.83177
Nitrogen Oxide	R27	7	12	32	67	10	17								5.3713										5.3713	8.66339
Nitrogen Oxide	R27	7	13	32	66	10	17								5.4079										5.4079	8.72242
Nitrogen Oxide	R27	7	14	32	66	10	17								5.4079										5.4079	8.72242
Nitrogen Oxide	R27	7	15	31	68	10	17								5.4757										5.4757	8.83177
Nitrogen Oxide	R27	7	16	31	69	10	17								5.441										5.441	8.77581
Nitrogen Oxide	R27	7	17	31	70	10	17								5.4065										5.4065	8.72016
Nitrogen Oxide	R27	7	18	30	73	10	17								5.4472										5.4472	8.78581
Nitrogen Oxide	R27	7	19	29	76	10	17								5.4927										5.4927	8.85919
Nitrogen Oxide	R27	7	20	29	79	10	17								5.4006										5.4006	8.71065
Nitrogen Oxide	R27	7	21	29	81	10	0								5.3392										0	0
Nitrogen Oxide	R27	7	22	29	82	10	0								5.3084										0	0
Nitrogen Oxide	R27	7	23	28	83	10	0								5.4268										0	0
Nitrogen Oxide	R27	7	24	28	84	10	0								5.3979										0	0
Nitrogen Oxide	R27	8	1	27	90	10	0								5.3782										0	0
Nitrogen Oxide	R27	8	2	26	90	10	0								5.5244										0	0
Nitrogen Oxide	R27	8	3	26	91	10	0								5.4988										0	0
Nitrogen Oxide	R27	8	4	26	92	10	0								5.4732										0	0
Nitrogen Oxide	R27	8	5	26	93	10	0								5.4477										0	0
Nitrogen Oxide	R27	8	6	26	94	10	0								5.422										0	0
Nitrogen Oxide	R27	8	7	26	93	10	0								5.4477										0	0
Nitrogen Oxide	R27	8	8	27	87	10	0								5.4598										0	0
Nitrogen Oxide	R27	8	9	29	81	10	17								5.3392										5.3392	8.61161
Nitrogen Oxide	R27	8	10	30	76	10	17								5.3494										5.3494	8.62806
Nitrogen Oxide	R27	8	11	30	73	10	17								5.4472										5.4472	8.78581
Nitrogen Oxide	R27	8	12	30	73	10	17								5.4472										5.4472	8.78581
Nitrogen Oxide	R27	8	13	30	74	10	17								5.4146										5.4146	8.73323
Nitrogen Oxide	R27	8	14	30	74	10	17								5.4146										5.4146	8.73323
Nitrogen Oxide	R27	8	15	30	75	10	17								5.3819										5.3819	8.68048
Nitrogen Oxide	R27	8	16	29	77	10	17								5.462										5.462	8.80968
Nitrogen Oxide	R27	8	17	29	79	10	17								5.4006										5.4006	8.71065
Nitrogen Oxide	R27	8	18	28	80	10	17								5.5136										5.5136	8.8929
Nitrogen Oxide	R27	8	19	28	82	10	17								5.4557										5.4557	8.79952
Nitrogen Oxide	R27	8	20	28	84	10	17								5.3979										5.3979	8.70629
Nitrogen Oxide	R27	8	21	27	85	10	0								5.5142										0	0
Nitrogen Oxide	R27	8	22	27	87	10	0								5.4598										0	0
Nitrogen Oxide	R27	8	23	27	88	10	0								5.4326										0	0
Nitrogen Oxide	R27	8	24	27	89	10	0								5.4054										0	0
Nitrogen Oxide	R27	9	1	27	89	10	0								5.4054										0	0
Nitrogen Oxide	R27	9	2	26	89	10	0								5.55										0	0
Nitrogen Oxide	R27	9	3	26	91	10	0								5.4988										0	0
Nitrogen Oxide	R27	9	4	26	92	10	0								5.4732										0	0
Nitrogen Oxide	R27	9	5	26	92	10	0								5.4732										0	0
Nitrogen Oxide	R27	9	6	26	93	10	0								5.4477										0	0
Nitrogen Oxide	R27	9	7	26	93	10	0								5.4477										0	0
Nitrogen Oxide	R27	9	8	27	88	10	0								5.4326										0	0
Nitrogen Oxide	R27	9	9	28	83	10	17								5.4268										5.4268	8.7529

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:
(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.
(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Oxide	R27	9	10	29	78	10	17	-	-	-	-	-	-	-	5.4313	-	-	-	-	-	-	-	-	-	5.4313	8.76016
Nitrogen Oxide	R27	9	11	29	76	10	17	-	-	-	-	-	-	-	5.4927	-	-	-	-	-	-	-	-	-	5.4927	8.85919
Nitrogen Oxide	R27	9	12	29	76	10	17	-	-	-	-	-	-	-	5.4927	-	-	-	-	-	-	-	-	-	5.4927	8.85919
Nitrogen Oxide	R27	9	13	30	75	10	17	-	-	-	-	-	-	-	5.3819	-	-	-	-	-	-	-	-	-	5.3819	8.68048
Nitrogen Oxide	R27	9	14	29	75	10	17	-	-	-	-	-	-	-	5.5234	-	-	-	-	-	-	-	-	-	5.5234	8.90871
Nitrogen Oxide	R27	9	15	29	77	10	17	-	-	-	-	-	-	-	5.462	-	-	-	-	-	-	-	-	-	5.462	8.80968
Nitrogen Oxide	R27	9	16	29	76	10	17	-	-	-	-	-	-	-	5.4927	-	-	-	-	-	-	-	-	-	5.4927	8.85919
Nitrogen Oxide	R27	9	17	29	78	10	17	-	-	-	-	-	-	-	5.4313	-	-	-	-	-	-	-	-	-	5.4313	8.76016
Nitrogen Oxide	R27	9	18	28	81	10	17	-	-	-	-	-	-	-	5.4847	-	-	-	-	-	-	-	-	-	5.4847	8.84629
Nitrogen Oxide	R27	9	19	27	84	10	17	-	-	-	-	-	-	-	5.5415	-	-	-	-	-	-	-	-	-	5.5415	8.9379
Nitrogen Oxide	R27	9	20	27	86	10	17	-	-	-	-	-	-	-	5.487	-	-	-	-	-	-	-	-	-	5.487	8.85
Nitrogen Oxide	R27	9	21	27	87	10	0	-	-	-	-	-	-	-	5.4598	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R27	9	22	27	89	10	0	-	-	-	-	-	-	-	5.4054	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R27	9	23	27	89	10	0	-	-	-	-	-	-	-	5.4054	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R27	9	24	26	89	10	0	-	-	-	-	-	-	-	5.55	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R27	10	1	24	74	10	0	-	-	-	-	-	-	-	6.1561	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R27	10	2	23	74	10	0	-	-	-	-	-	-	-	6.2587	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R27	10	3	23	74	10	0	-	-	-	-	-	-	-	6.2587	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R27	10	4	23	75	10	0	-	-	-	-	-	-	-	6.2375	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R27	10	5	23	74	10	0	-	-	-	-	-	-	-	6.2587	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R27	10	6	23	75	10	0	-	-	-	-	-	-	-	6.2375	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R27	10	7	23	75	10	0	-	-	-	-	-	-	-	6.2375	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R27	10	8	23	72	10	0	-	-	-	-	-	-	-	6.301	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R27	10	9	24	69	10	17	-	-	-	-	-	-	-	6.269	-	-	-	-	-	-	-	-	-	6.269	10.11129
Nitrogen Oxide	R27	10	10	25	64	10	17	-	-	-	-	-	-	-	6.2882	-	-	-	-	-	-	-	-	-	6.2882	10.14226
Nitrogen Oxide	R27	10	11	26	61	10	17	-	-	-	-	-	-	-	6.2663	-	-	-	-	-	-	-	-	-	6.2663	10.10694
Nitrogen Oxide	R27	10	12	27	60	10	17	-	-	-	-	-	-	-	6.1944	-	-	-	-	-	-	-	-	-	6.1944	9.99097
Nitrogen Oxide	R27	10	13	27	59	10	17	-	-	-	-	-	-	-	6.2216	-	-	-	-	-	-	-	-	-	6.2216	10.03484
Nitrogen Oxide	R27	10	14	27	59	10	17	-	-	-	-	-	-	-	6.2216	-	-	-	-	-	-	-	-	-	6.2216	10.03484
Nitrogen Oxide	R27	10	15	27	60	10	17	-	-	-	-	-	-	-	6.1944	-	-	-	-	-	-	-	-	-	6.1944	9.99097
Nitrogen Oxide	R27	10	16	27	62	10	17	-	-	-	-	-	-	-	6.14	-	-	-	-	-	-	-	-	-	6.14	9.90323
Nitrogen Oxide	R27	10	17	26	65	10	17	-	-	-	-	-	-	-	6.1639	-	-	-	-	-	-	-	-	-	6.1639	9.94177
Nitrogen Oxide	R27	10	18	25	67	10	17	-	-	-	-	-	-	-	6.2161	-	-	-	-	-	-	-	-	-	6.2161	10.02597
Nitrogen Oxide	R27	10	19	25	69	10	17	-	-	-	-	-	-	-	6.168	-	-	-	-	-	-	-	-	-	6.168	9.94839
Nitrogen Oxide	R27	10	20	25	71	10	17	-	-	-	-	-	-	-	6.1199	-	-	-	-	-	-	-	-	-	6.1199	9.87081
Nitrogen Oxide	R27	10	21	24	71	10	0	-	-	-	-	-	-	-	6.2238	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R27	10	22	24	71	10	0	-	-	-	-	-	-	-	6.2238	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R27	10	23	24	72	10	0	-	-	-	-	-	-	-	6.2013	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R27	10	24	24	72	10	0	-	-	-	-	-	-	-	6.2013	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R27	11	1	21	75	10	0	-	-	-	-	-	-	-	6.4289	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R27	11	2	21	74	10	0	-	-	-	-	-	-	-	6.4476	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R27	11	3	21	74	10	0	-	-	-	-	-	-	-	6.4476	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R27	11	4	21	74	10	0	-	-	-	-	-	-	-	6.4476	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R27	11	5	21	74	10	0	-	-	-	-	-	-	-	6.4476	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R27	11	6	21	73	10	0	-	-	-	-	-	-	-	6.4662	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R27	11	7	21	73	10	0	-	-	-	-	-	-	-	6.4662	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R27	11	8	21	70	10	0	-	-	-	-	-	-	-	6.5221	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R27	11	9	22	66	10	17	-	-	-	-	-	-	-	6.5148	-	-	-	-	-	-	-	-	-	6.5148	10.50774
Nitrogen Oxide	R27	11	10	23	61	10	17	-	-	-	-	-	-	-	6.5342	-	-	-	-	-	-	-	-	-	6.5342	10.53903
Nitrogen Oxide	R27	11	11	25	57	10	17	-	-	-	-	-	-	-	6.4565	-	-	-	-	-	-	-	-	-	6.4565	10.41371
Nitrogen Oxide	R27	11	12	25	56	10	17	-	-	-	-	-	-	-	6.4806	-	-	-	-	-	-	-	-	-	6.4806	10.45258
Nitrogen Oxide	R27	11	13	25	56	10	17	-	-	-	-	-	-	-	6.4806	-	-	-	-	-	-	-	-	-	6.4806	10.45258
Nitrogen Oxide	R27	11	14	26	56	10	17	-	-	-	-	-	-	-	6.3942	-	-	-	-	-	-	-	-	-	6.3942	10.31323
Nitrogen Oxide	R27	11	15	26	57	10	17	-	-	-	-	-	-	-	6.3686	-	-	-	-	-	-	-	-	-	6.3686	10.27194
Nitrogen Oxide	R27	11	16	25	58	10	17	-	-	-	-	-	-	-	6.4325	-	-	-	-	-	-	-	-	-	6.4325	10.375
Nitrogen Oxide	R27	11	17	24	63	10	17	-	-	-	-	-	-	-	6.4045	-	-	-	-	-	-	-	-	-	6.4045	10.32984
Nitrogen Oxide	R27	11	18	23	66	10	17	-	-	-	-	-	-	-	6.4282	-	-	-	-	-	-	-	-	-	6.4282	10.36806
Nitrogen Oxide	R27	11	19	23	70	10	17	-	-	-	-	-	-	-	6.3435	-	-	-	-	-	-	-	-	-	6.3435	10.23145
Nitrogen Oxide	R27	11	20	22	70	10	17	-	-	-	-	-	-	-	6.4353	-	-	-	-	-	-	-	-	-	6.4353	10.37952
Nitrogen Oxide	R27	11	21	22	72	10	0	-	-	-	-	-	-	-	6.3953	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R27	11	22	22	74	10	0	-	-	-	-	-	-	-	6.3558	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R27	11	23	22	74	10	0	-	-	-	-	-	-	-	6.3558	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R27	11	24	21	74	10	0	-	-	-	-	-	-	-	6.4476	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R27	12	1	16	68	10	0	-	-	-	-	-	-	-	6.9143	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R27	12	2	16	69	10	0	-	-	-	-	-	-	-	6.9009	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R27	12	3	16	69	10	0	-	-	-	-	-	-	-	6.9009	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R27	12	4	15	70	10	0	-	-	-	-	-	-	-	6.9481	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R27	12	5	15	70	10	0	-	-	-	-	-	-	-	6.9481	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R27	12	6	15	70	10	0	-	-	-	-	-	-	-	6.9481	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R27	12	7	15	70	10	0	-	-	-	-	-	-	-	6.9481	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R27	12	8	15	69	10	0	-	-	-	-	-	-	-	6.9607	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R27	12	9	16	65	10	17	-	-	-	-	-	-	-	6.9546	-	-	-	-	-	-	-	-	-	6.9546	11.2171
Nitrogen Oxide	R27	12	10	17	62	10	17	-	-	-	-	-	-	-	6.9377	-	-	-	-	-	-	-	-	-	6.9377	11.18984
Nitrogen Oxide	R27	12	11	18	58	10	17	-	-	-	-	-	-	-	6.9382	-	-	-	-	-	-	-	-	-	6.9382	11.19065
Nitrogen Oxide	R27	12	12	19	57	10	17	-	-	-	-	-	-	-	6.8942	-	-	-	-	-	-	-	-	-	6.8942	11.11968
Nitrogen Oxide	R27	12	13	19	56	10	17	-	-	-	-	-	-	-	6.9105	-	-	-	-	-	-	-	-	-	6.9105	11.14597
Nitrogen Oxide	R27	12	14	19	56	10	17	-	-	-	-	-	-	-	6.9105	-	-	-	-	-	-	-	-	-	6.9105	11.14597
Nitrogen Oxide	R27	12	15	19	56	10	17	-	-	-	-	-	-	-	6.9105	-	-	-	-	-	-	-	-	-	6.9105	11.14597
Nitrogen Oxide	R27	12	16	19	57	10	17	-	-	-	-	-	-	-	6.8942	-	-	-	-	-	-	-	-	-	6.8942	11.11968
Nitrogen Oxide	R27	12	17	18	60	10	17	-	-	-	-	-	-	-	6.9076	-	-	-	-	-	-	-	-	-	6.9076	11.14129
Nitrogen Oxide	R27	12	18	18	64	10	17	-	-	-	-	-	-	-	6.8463	-	-	-	-	-	-	-	-	-	6.8463	11.04242
Nitrogen Oxide	R27	12	19	17	65	10	17	-	-	-	-	-	-	-	6.8947	-	-	-	-	-	-	-	-	-	6.8947	11.12048
Nitrogen Oxide	R27	12	20	17	66	10	17	-	-	-	-	-	-	-	6.8803	-	-	-	-	-	-	-	-	-	6.8803	11.09726
Nitrogen Oxide	R27	12	21	17	66	10	0	-	-	-	-	-	-	-	6.8803	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R27	12	22	16	66	10	0	-	-	-	-	-	-	-	6.9412	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R27	12	23	16	66	10	0	-	-	-	-	-	-	-	6.9412	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R27	12	24	16	67	10	0	-	-	-	-	-	-	-	6.9278	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R28	1	1	17	76	10	0	-	-	-	-	-	-	-	6.737	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R28	1	2	17	77	10	0	-	-	-	-	-	-	-	6.7226	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R28	1	3	17	77	10	0	-	-	-	-	-	-	-	6.7226	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R28	1	4	17	77	10	0	-	-	-	-	-	-	-	6.7226	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R28	1	5	17	78	10	0	-	-	-	-	-	-	-	6.7083	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R28	1	6	17	77	10	0	-	-	-	-	-	-	-	6.7226	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R28	1	7	16	77	10	0	-	-	-	-	-	-	-	6.7935	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R28	1	8	17	77	10	0	-	-	-	-	-	-	-	6.7226	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R28	1	9	17	73	10	17	-	-	-	-	-	-	-	6.7799	-	-	-	-	-	-	-	-	-	6.7799	10.91532
Nitrogen Oxide	R28	1	10	19	69	10	17	-	-	-	-	-	-	-	6.6978	-	-	-	-	-	-	-	-	-	6.6978	10.8029
Nitrogen Oxide	R28	1	11	20	64	10	17	-	-	-	-	-	-	-	6.7089	-	-	-	-	-	-	-	-	-	6.7089	10.82081
Nitrogen Oxide	R28	1	12	21	62	10	17	-	-	-	-	-	-	-	6.6712	-	-	-	-	-	-	-	-	-	6.6712	10.76
Nitrogen Oxide	R28	1	13	21	61	10	17	-	-	-	-	-	-	-	6.6898	-	-	-	-	-	-	-	-	-	6.6898	10.79
Nitrogen Oxide	R28	1	14	21	62	10	17	-	-	-	-	-	-	-	6.6712	-	-	-	-	-	-	-	-	-	6.6712	10.76
Nitrogen Oxide	R28	1	15	21	62	10	17	-	-	-	-	-	-	-	6.6712	-	-	-	-	-	-	-	-	-	6.6712	10.76
Nitrogen Oxide	R28	1	16	21	63	10	17	-	-	-	-	-	-	-	6.6526	-	-	-	-	-	-	-	-	-	6.6526	10.73
Nitrogen Oxide	R28	1	17	20	67	10	17	-	-	-	-	-	-	-	6.6565	-	-	-	-	-	-	-	-	-	6.6565	10.73629
Nitrogen Oxide	R28	1	18	19	72	10	17	-	-	-	-	-	-	-	6.6488	-	-	-	-	-	-	-	-	-	6.6488	10.72387
Nitrogen Oxide	R28	1	19	18	74	10	17	-	-	-	-	-	-	-	6.693	-	-	-	-	-	-	-	-	-	6.693	10.79516
Nitrogen Oxide	R28	1	20	18	74	10	17	-	-	-	-	-	-	-	6.693	-	-	-	-	-	-	-	-	-	6.693	10.79516
Nitrogen Oxide	R28	1	21	18	75	10	0	-	-	-	-	-	-	-	6.6778	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R28	1	22	18	76	10	0	-	-	-	-	-	-	-	6.6625	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R28	1	23	18	75	10	0	-	-	-	-	-	-	-	6.6778	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R28	1	24	17	76	10	0	-	-	-	-	-	-	-	6.737	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R28	2	1	17	78	10	0	-	-	-	-	-	-	-	6.7083	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R28	2	2	17	80	10	0	-	-	-	-	-	-	-	6.6795	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R28	2	3	17	81	10	0	-	-	-	-	-	-	-	6.6652	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R28	2	4	17	82	10	0	-	-	-	-	-	-	-	6.6509	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R28	2	5	16	83	10	0	-	-	-	-	-	-	-	6.7131	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R28	2	6	16	83	10	0	-	-	-	-	-	-	-	6.7131	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R28	2	7	16	83	10	0	-	-	-	-	-	-	-	6.7131	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R28	2	8	17	81	10	0	-	-	-	-	-	-	-	6.6652	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R28	2	9	18	77	10	17	-	-	-	-	-	-	-	6.6471	-	-	-	-	-	-	-	-	-	6.6471	10.72113
Nitrogen Oxide	R28	2	10	19	73	10	17	-	-	-	-	-	-	-	6.6324	-	-	-	-	-	-	-	-	-	6.6324	10.69742
Nitrogen Oxide	R28	2	11	20	70	10	17	-	-	-	-	-	-	-	6.6041	-	-	-	-	-	-	-	-	-	6.6041	10.65177
Nitrogen Oxide	R28	2	12	20	68	10	17	-	-	-	-	-	-	-	6.6391	-	-	-	-	-	-	-	-	-	6.6391	10.70823
Nitrogen Oxide	R28	2	13	21	65	10	17	-	-	-	-	-	-	-	6.6153	-	-	-	-	-	-	-	-	-	6.6153	10.66984
Nitrogen Oxide	R28	2	14	21	65	10	17	-	-	-	-	-	-	-	6.6153	-	-	-	-	-	-	-	-	-	6.6153	10.66984
Nitrogen Oxide	R28	2	15	21	66	10	17	-	-	-	-	-	-	-	6.5966	-	-	-	-	-	-	-	-	-	6.5966	10.63968
Nitrogen Oxide	R28	2	16	20	68	10	17	-	-	-	-	-	-	-	6.6391	-	-	-	-	-	-	-	-	-	6.6391	10.70823
Nitrogen Oxide	R28	2	17	20	70	10	17	-	-	-	-	-	-	-	6.6041	-	-	-	-	-	-	-	-	-	6.6041	10.65177
Nitrogen Oxide	R28	2	18	19	74	10	17	-	-	-	-	-	-	-	6.6161	-	-	-	-	-	-	-	-	-	6.6161	10.67113
Nitrogen Oxide	R28	2	19	18	76	10	17	-	-	-	-	-	-	-	6.6625	-	-	-	-	-	-	-	-	-	6.6625	10.74597
Nitrogen Oxide	R28	2	20	18	78	10	17	-	-	-	-	-	-	-	6.6318	-	-	-	-	-	-	-	-	-	6.6318	10.69645
Nitrogen Oxide	R28	2	21	18	78	10	0	-	-	-	-	-	-	-	6.6318	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R28	2	22	18	78	10	0	-	-	-	-	-	-	-	6.6318	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R28	2	23	18	78	10	0	-	-	-	-	-	-	-	6.6318	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R28	2	24	18	78	10	0	-	-	-	-	-	-	-	6.6318	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R28	3	1	21	86	10	0	-	-	-	-	-	-	-	6.2239	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R28	3	2	20	87	10	0	-	-	-	-	-	-	-	6.3072	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R28	3	3	20	87	10	0	-	-	-	-	-	-	-	6.3072	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R28	3	4	20	87	10	0	-	-	-	-	-	-	-	6.3072	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R28	3	5	20	87	10	0	-	-	-	-	-	-	-	6.3072	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R28	3	6	20	87	10	0	-	-	-	-	-	-	-	6.3072	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R28	3	7	20	87	10	0	-	-	-	-	-	-	-	6.3072	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R28	3	8	20	86	10	0	-	-	-	-	-	-	-	6.3246	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Oxide	R28	3	9	21	83	10	17	-	-	-	-	-	-	-	6.2788	-	-	-	-	-	-	-	-	-	6.2788	10.12871
Nitrogen Oxide	R28	3	10	22	79	10	17	-	-	-	-	-	-	-	6.2564	-	-	-	-	-	-	-	-	-	6.2564	10.09097
Nitrogen Oxide	R28	3	11	22	78	10	17	-	-	-	-	-	-	-	6.2763	-	-	-	-	-	-	-	-	-	6.2763	10.12306
Nitrogen Oxide	R28	3	12	23	77	10	17	-	-	-	-	-	-	-	6.1951	-	-	-	-	-	-	-	-	-	6.1951	9.9921
Nitrogen Oxide	R28	3	13	23	77	10	17	-	-	-	-	-	-	-	6.1951	-	-	-	-	-	-	-	-	-	6.1951	9.9921
Nitrogen Oxide	R28	3	14	23	77	10	17	-	-	-	-	-	-	-	6.1951	-	-	-	-	-	-	-	-	-	6.1951	9.9921

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:
(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.
(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Oxide	R28	3	15	23	76	10	17								6.2164										6.2164	10.02645
Nitrogen Oxide	R28	3	16	23	77	10	17								6.1951										6.1951	9.9921
Nitrogen Oxide	R28	3	17	22	79	10	17								6.2564										6.2564	10.09097
Nitrogen Oxide	R28	3	18	22	82	10	17								6.1968										6.1968	9.99484
Nitrogen Oxide	R28	3	19	21	84	10	17								6.2612										6.2612	10.09871
Nitrogen Oxide	R28	3	20	21	85	10	17								6.2425										6.2425	10.06855
Nitrogen Oxide	R28	3	21	21	86	10	0								6.2239										0	0
Nitrogen Oxide	R28	3	22	21	86	10	0								6.2239										0	0
Nitrogen Oxide	R28	3	23	21	85	10	0								6.2425										0	0
Nitrogen Oxide	R28	3	24	21	86	10	0								6.2239										0	0
Nitrogen Oxide	R28	4	1	20	83	10	0								6.377										0	0
Nitrogen Oxide	R28	4	2	20	85	10	0								6.3421										0	0
Nitrogen Oxide	R28	4	3	20	84	10	0								6.3596										0	0
Nitrogen Oxide	R28	4	4	20	85	10	0								6.3421										0	0
Nitrogen Oxide	R28	4	5	19	84	10	0								6.4525										0	0
Nitrogen Oxide	R28	4	6	19	84	10	0								6.4525										0	0
Nitrogen Oxide	R28	4	7	20	84	10	0								6.3596										0	0
Nitrogen Oxide	R28	4	8	21	79	10	0								6.3544										0	0
Nitrogen Oxide	R28	4	9	22	73	10	17								6.3756										6.3756	10.28323
Nitrogen Oxide	R28	4	10	23	69	10	17								6.3646										6.3646	10.26548
Nitrogen Oxide	R28	4	11	23	68	10	17								6.3858										6.3858	10.29968
Nitrogen Oxide	R28	4	12	24	66	10	17								6.3367										6.3367	10.22048
Nitrogen Oxide	R28	4	13	24	65	10	17								6.3593										6.3593	10.25694
Nitrogen Oxide	R28	4	14	24	66	10	17								6.3367										6.3367	10.22048
Nitrogen Oxide	R28	4	15	24	66	10	17								6.3367										6.3367	10.22048
Nitrogen Oxide	R28	4	16	24	67	10	17								6.3141										6.3141	10.18403
Nitrogen Oxide	R28	4	17	23	69	10	17								6.3646										6.3646	10.26548
Nitrogen Oxide	R28	4	18	22	74	10	17								6.3558										6.3558	10.25129
Nitrogen Oxide	R28	4	19	22	76	10	17								6.316										6.316	10.1871
Nitrogen Oxide	R28	4	20	21	79	10	17								6.3544										6.3544	10.24903
Nitrogen Oxide	R28	4	21	21	80	10	0								6.3357										0	0
Nitrogen Oxide	R28	4	22	21	81	10	0								6.3171										0	0
Nitrogen Oxide	R28	4	23	21	82	10	0								6.2985										0	0
Nitrogen Oxide	R28	4	24	20	82	10	0								6.3945										0	0
Nitrogen Oxide	R28	5	1	26	91	10	0								5.4988										0	0
Nitrogen Oxide	R28	5	2	25	92	10	0								5.6151										0	0
Nitrogen Oxide	R28	5	3	25	92	10	0								5.6151										0	0
Nitrogen Oxide	R28	5	4	25	91	10	0								5.6392										0	0
Nitrogen Oxide	R28	5	5	25	92	10	0								5.6151										0	0
Nitrogen Oxide	R28	5	6	25	93	10	0								5.5911										0	0
Nitrogen Oxide	R28	5	7	26	91	10	0								5.4988										0	0
Nitrogen Oxide	R28	5	8	27	85	10	0								5.5142										0	0
Nitrogen Oxide	R28	5	9	28	80	10	17								5.5136										5.5136	8.8929
Nitrogen Oxide	R28	5	10	28	78	10	17								5.5714										5.5714	8.98613
Nitrogen Oxide	R28	5	11	29	77	10	17								5.462										5.462	8.80968
Nitrogen Oxide	R28	5	12	29	75	10	17								5.5234										5.5234	8.90871
Nitrogen Oxide	R28	5	13	29	74	10	17								5.5541										5.5541	8.95823
Nitrogen Oxide	R28	5	14	29	75	10	17								5.5234										5.5234	8.90871
Nitrogen Oxide	R28	5	15	29	75	10	17								5.5234										5.5234	8.90871
Nitrogen Oxide	R28	5	16	29	77	10	17								5.462										5.462	8.80968
Nitrogen Oxide	R28	5	17	28	78	10	17								5.5714										5.5714	8.98613
Nitrogen Oxide	R28	5	18	28	81	10	17								5.4847										5.4847	8.84629
Nitrogen Oxide	R28	5	19	27	84	10	17								5.5415										5.5415	8.9379
Nitrogen Oxide	R28	5	20	27	87	10	17								5.4598										5.4598	8.80613
Nitrogen Oxide	R28	5	21	27	88	10	0								5.4326										0	0
Nitrogen Oxide	R28	5	22	26	89	10	0								5.55										0	0
Nitrogen Oxide	R28	5	23	26	89	10	0								5.55										0	0
Nitrogen Oxide	R28	5	24	26	90	10	0								5.5244										0	0
Nitrogen Oxide	R28	6	1	28	88	10	0								5.2823										0	0
Nitrogen Oxide	R28	6	2	27	89	10	0								5.4054										0	0
Nitrogen Oxide	R28	6	3	27	89	10	0								5.4054										0	0
Nitrogen Oxide	R28	6	4	27	88	10	0								5.4326										0	0
Nitrogen Oxide	R28	6	5	27	89	10	0								5.4054										0	0
Nitrogen Oxide	R28	6	6	27	90	10	0								5.3782										0	0
Nitrogen Oxide	R28	6	7	28	87	10	0								5.3111										0	0
Nitrogen Oxide	R28	6	8	29	82	10	0								5.3084										0	0
Nitrogen Oxide	R28	6	9	29	79	10	17								5.4006										5.4006	8.71065
Nitrogen Oxide	R28	6	10	30	76	10	17								5.3494										5.3494	8.62806
Nitrogen Oxide	R28	6	11	30	75	10	17								5.3819										5.3819	8.68048
Nitrogen Oxide	R28	6	12	30	74	10	17								5.4146										5.4146	8.73323
Nitrogen Oxide	R28	6	13	31	73	10	17								5.3027										5.3027	8.55274
Nitrogen Oxide	R28	6	14	31	72	10	17								5.3373										5.3373	8.60855
Nitrogen Oxide	R28	6	15	30	74	10	17								5.4146										5.4146	8.73323
Nitrogen Oxide	R28	6	16	30	74	10	17								5.4146										5.4146	8.73323
Nitrogen Oxide	R28	6	17	30	75	10	17								5.3819										5.3819	8.68048
Nitrogen Oxide	R28	6	18	29	79	10	17								5.4006										5.4006	8.71065
Nitrogen Oxide	R28	6	19	29	81	10	17								5.3392										5.3392	8.61161
Nitrogen Oxide	R28	6	20	28	83	10	17								5.4268										5.4268	8.7529
Nitrogen Oxide	R28	6	21	28	85	10	0								5.369										0	0
Nitrogen Oxide	R28	6	22	28	86	10	0								5.34										0	0
Nitrogen Oxide	R28	6	23	28	87	10	0								5.3111										0	0
Nitrogen Oxide	R28	6	24	28	87	10	0								5.3111										0	0
Nitrogen Oxide	R28	7	1	28	84	10	0								5.3979										0	0
Nitrogen Oxide	R28	7	2	28	84	10	0								5.3979										0	0
Nitrogen Oxide	R28	7	3	28	86	10	0								5.34										0	0
Nitrogen Oxide	R28	7	4	28	86	10	0								5.34										0	0
Nitrogen Oxide	R28	7	5	28	88	10	0								5.2823										0	0
Nitrogen Oxide	R28	7	6	27	88	10	0								5.4326										0	0
Nitrogen Oxide	R28	7	7	28	86	10	0								5.34										0	0
Nitrogen Oxide	R28	7	8	29	81	10	0								5.3392										0	0
Nitrogen Oxide	R28	7	9	30	76	10	17								5.3494										5.3494	8.62806
Nitrogen Oxide	R28	7	10	31	70	10	17								5.4065										5.4065	8.72016
Nitrogen Oxide	R28	7	11	31	68	10	17								5.4757										5.4757	8.83177
Nitrogen Oxide	R28	7	12	32	67	10	17								5.3713										5.3713	8.66339
Nitrogen Oxide	R28	7	13	32	66	10	17								5.4079										5.4079	8.72242
Nitrogen Oxide	R28	7	14	32	66	10	17								5.4079										5.4079	8.72242
Nitrogen Oxide	R28	7	15	31	68	10	17								5.4757										5.4757	8.83177
Nitrogen Oxide	R28	7	16	31	69	10	17								5.441										5.441	8.77581
Nitrogen Oxide	R28	7	17	31	70	10	17								5.4065										5.4065	8.72016
Nitrogen Oxide	R28	7	18	30	73	10	17								5.4472										5.4472	8.78581
Nitrogen Oxide	R28	7	19	29	76	10	17								5.4927										5.4927	8.85919
Nitrogen Oxide	R28	7	20	29	79	10	17								5.4006										5.4006	8.71065
Nitrogen Oxide	R28	7	21	29	81	10	0								5.3392										0	0
Nitrogen Oxide	R28	7	22	29	82	10	0								5.3084										0	0
Nitrogen Oxide	R28	7	23	28	83	10	0								5.4268										0	0
Nitrogen Oxide	R28	7	24	28	84	10	0								5.3979										0	0
Nitrogen Oxide	R28	8	1	27	90	10	0								5.3782										0	0
Nitrogen Oxide	R28	8	2	26	90	10	0								5.5244										0	0
Nitrogen Oxide	R28	8	3	26	91	10	0								5.4988										0	0
Nitrogen Oxide	R28	8	4	26	92	10	0								5.4732										0	0
Nitrogen Oxide	R28	8	5	26	93	10	0								5.4477										0	0
Nitrogen Oxide	R28	8	6	26	94	10	0								5.423										0	0
Nitrogen Oxide	R28	8	7	26	93	10	0								5.4477										0	0
Nitrogen Oxide	R28	8	8	27	87	10	0								5.4598										0	0
Nitrogen Oxide	R28	8	9	29	81	10	17								5.3392										5.3392	8.61161
Nitrogen Oxide	R28	8	10	30	76	10	17								5.3494										5.3494	8.62806
Nitrogen Oxide	R28	8	11	30	73	10	17								5.4472										5.4472	8.78581
Nitrogen Oxide	R28	8	12	30	73	10	17								5.4472										5.4472	8.78581
Nitrogen Oxide	R28	8	13	30	74	10	17								5.4146										5.4146	8.73323
Nitrogen Oxide	R28	8	14	30	74	10	17								5.4146										5.4146	8.73323
Nitrogen Oxide	R28	8	15	30	75	10	17								5.3819										5.3819	8.68048
Nitrogen Oxide	R28	8	16	29	77	10	17								5.462										5.462	8.80968
Nitrogen Oxide	R28	8	17	29	79	10	17								5.4006										5.4006	8.71065
Nitrogen Oxide	R28	8	18	28	80	10	17								5.5136										5.5136	8.8929
Nitrogen Oxide	R28	8	19	28	82	10	17								5.4557										5.4557	8.79952
Nitrogen Oxide	R28	8	20	28	84	10	17								5.3979										5.3979	8.70629
Nitrogen Oxide	R28	8	21	27	85	10	0								5.5142										0	0
Nitrogen Oxide	R28	8	22	27	87	10	0								5.4598										0	0
Nitrogen Oxide	R28	8	23	27	88	10	0								5.4326										0	0
Nitrogen Oxide	R28	8	24	27	89	10	0								5.4054										0	0
Nitrogen Oxide	R28	9	1	27	89	10	0								5.4054										0	0
Nitrogen Oxide	R28	9	2	26	89	10	0								5.55										0	0
Nitrogen Oxide	R28	9	3	26	91	10	0								5.4988										0	0
Nitrogen Oxide	R28	9	4	26	92	10	0								5.4732										0	0
Nitrogen Oxide	R28	9	5	26	92	10	0								5.4732										0	0
Nitrogen Oxide	R28	9	6	26	93	10	0								5.4477										0	0
Nitrogen Oxide	R28	9	7	26	93	10	0								5.4477										0	0
Nitrogen Oxide	R28	9	8	27	88	10	0								5.4326										0	0
Nitrogen Oxide	R28	9	9	28	83	10	17								5.4268										5.4268	8.7529
Nitrogen Oxide	R28	9	10	29	78	10	17								5.4313										5.4313	8.76016
Nitrogen Oxide	R28	9	11	29	76	10	17								5.4927										5.4927	8.85919
Nitrogen Oxide	R28	9	12	29	76	10	17								5.4927										5.4927	8.85919
Nitrogen Oxide	R28	9	13	30	75	10	17								5.3819										5.3819	8.68048
Nitrogen Oxide	R28	9	14	29	75	10	17								5.5234										5.5234	8.90871
Nitrogen Oxide	R28	9	15	29	77	10	17								5.462										5.462	8.80968
Nitrogen Oxide	R28	9	16	29	76	10	17								5.4927										5.4927	8.85919
Nitrogen Oxide	R28	9	17	29	78	10	17								5.4313										5.4313	8.76016
Nitrogen Oxide	R28	9	18	28	81	10	17								5.4847										5.4847	8.84629
Nitrogen Oxide	R28	9	19	27	84	10	17								5.5415										5.5415	8.9379

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:
(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.
(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Oxide	R28	9	20	27	86	10	17								5.487										5.487	8.85
Nitrogen Oxide	R28	9	21	27	87	10	0								5.4598										0	0
Nitrogen Oxide	R28	9	22	27	89	10	0								5.4054										0	0
Nitrogen Oxide	R28	9	23	27	89	10	0								5.4054										0	0
Nitrogen Oxide	R28	9	24	26	89	10	0								5.55										0	0
Nitrogen Oxide	R28	10	1	24	74	10	0								6.1561										0	0
Nitrogen Oxide	R28	10	2	23	74	10	0								6.2587										0	0
Nitrogen Oxide	R28	10	3	23	74	10	0								6.2587										0	0
Nitrogen Oxide	R28	10	4	23	75	10	0								6.2373										0	0
Nitrogen Oxide	R28	10	5	23	74	10	0								6.2587										0	0
Nitrogen Oxide	R28	10	6	23	75	10	0								6.2375										0	0
Nitrogen Oxide	R28	10	7	23	75	10	0								6.2375										0	0
Nitrogen Oxide	R28	10	8	23	72	10	0								6.301										0	0
Nitrogen Oxide	R28	10	9	24	69	10	17								6.269										6.269	10.11129
Nitrogen Oxide	R28	10	10	25	64	10	17								6.2882										6.2882	10.14226
Nitrogen Oxide	R28	10	11	26	61	10	17								6.2663										6.2663	10.10694
Nitrogen Oxide	R28	10	12	27	60	10	17								6.1944										6.1944	9.99097
Nitrogen Oxide	R28	10	13	27	59	10	17								6.2216										6.2216	10.03484
Nitrogen Oxide	R28	10	14	27	59	10	17								6.2216										6.2216	10.03484
Nitrogen Oxide	R28	10	15	27	60	10	17								6.1944										6.1944	9.99097
Nitrogen Oxide	R28	10	16	27	62	10	17								6.14										6.14	9.90323
Nitrogen Oxide	R28	10	17	26	65	10	17								6.1639										6.1639	9.94177
Nitrogen Oxide	R28	10	18	25	67	10	17								6.2161										6.2161	10.02597
Nitrogen Oxide	R28	10	19	25	69	10	17								6.168										6.168	9.94839
Nitrogen Oxide	R28	10	20	25	71	10	17								6.1199										6.1199	9.87081
Nitrogen Oxide	R28	10	21	24	71	10	0								6.2238										0	0
Nitrogen Oxide	R28	10	22	24	71	10	0								6.2238										0	0
Nitrogen Oxide	R28	10	23	24	72	10	0								6.2013										0	0
Nitrogen Oxide	R28	10	24	24	72	10	0								6.2013										0	0
Nitrogen Oxide	R28	11	1	21	75	10	0								6.4289										0	0
Nitrogen Oxide	R28	11	2	21	74	10	0								6.4476										0	0
Nitrogen Oxide	R28	11	3	21	74	10	0								6.4476										0	0
Nitrogen Oxide	R28	11	4	21	74	10	0								6.4476										0	0
Nitrogen Oxide	R28	11	5	21	74	10	0								6.4476										0	0
Nitrogen Oxide	R28	11	6	21	73	10	0								6.4662										0	0
Nitrogen Oxide	R28	11	7	21	73	10	0								6.4662										0	0
Nitrogen Oxide	R28	11	8	21	70	10	0								6.5221										0	0
Nitrogen Oxide	R28	11	9	22	66	10	17								6.5148										6.5148	10.50774
Nitrogen Oxide	R28	11	10	23	61	10	17								6.5342										6.5342	10.53903
Nitrogen Oxide	R28	11	11	25	57	10	17								6.4565										6.4565	10.41371
Nitrogen Oxide	R28	11	12	25	56	10	17								6.4806										6.4806	10.45258
Nitrogen Oxide	R28	11	13	25	56	10	17								6.4806										6.4806	10.45258
Nitrogen Oxide	R28	11	14	26	56	10	17								6.3942										6.3942	10.31323
Nitrogen Oxide	R28	11	15	26	57	10	17								6.3686										6.3686	10.27194
Nitrogen Oxide	R28	11	16	25	58	10	17								6.4325										6.4325	10.375
Nitrogen Oxide	R28	11	17	24	63	10	17								6.4045										6.4045	10.32984
Nitrogen Oxide	R28	11	18	23	66	10	17								6.4282										6.4282	10.36806
Nitrogen Oxide	R28	11	19	23	70	10	17								6.3433										6.3435	10.23145
Nitrogen Oxide	R28	11	20	22	70	10	17								6.4353										6.4353	10.37952
Nitrogen Oxide	R28	11	21	22	72	10	0								6.3958										0	0
Nitrogen Oxide	R28	11	22	22	74	10	0								6.3558										0	0
Nitrogen Oxide	R28	11	23	22	74	10	0								6.3558										0	0
Nitrogen Oxide	R28	11	24	21	74	10	0								6.4476										0	0
Nitrogen Oxide	R28	12	1	16	68	10	0								6.9143										0	0
Nitrogen Oxide	R28	12	2	16	69	10	0								6.9009										0	0
Nitrogen Oxide	R28	12	3	16	69	10	0								6.9009										0	0
Nitrogen Oxide	R28	12	4	15	70	10	0								6.9481										0	0
Nitrogen Oxide	R28	12	5	15	70	10	0								6.9481										0	0
Nitrogen Oxide	R28	12	6	15	70	10	0								6.9481										0	0
Nitrogen Oxide	R28	12	7	15	70	10	0								6.9481										0	0
Nitrogen Oxide	R28	12	8	15	69	10	0								6.9607										0	0
Nitrogen Oxide	R28	12	9	16	65	10	17								6.9546										6.9546	11.2171
Nitrogen Oxide	R28	12	10	17	62	10	17								6.9377										6.9377	11.18984
Nitrogen Oxide	R28	12	11	18	58	10	17								6.9382										6.9382	11.19065
Nitrogen Oxide	R28	12	12	19	57	10	17								6.8942										6.8942	11.11968
Nitrogen Oxide	R28	12	13	19	56	10	17								6.9105										6.9105	11.14597
Nitrogen Oxide	R28	12	14	19	56	10	17								6.9105										6.9105	11.14597
Nitrogen Oxide	R28	12	15	19	56	10	17								6.9105										6.9105	11.14597
Nitrogen Oxide	R28	12	16	19	57	10	17								6.8942										6.8942	11.11968
Nitrogen Oxide	R28	12	17	18	60	10	17								6.9076										6.9076	11.14129
Nitrogen Oxide	R28	12	18	18	64	10	17								6.8463										6.8463	11.04242
Nitrogen Oxide	R28	12	19	17	65	10	17								6.8947										6.8947	11.12048
Nitrogen Oxide	R28	12	20	17	66	10	17								6.8803										6.8803	11.09726
Nitrogen Oxide	R28	12	21	17	66	10	0								6.8803										0	0
Nitrogen Oxide	R28	12	22	16	66	10	0								6.9412										0	0
Nitrogen Oxide	R28	12	23	16	66	10	0								6.9412										0	0
Nitrogen Oxide	R28	12	24	16	67	10	0								6.9278										0	0
Nitrogen Dioxide	TM1	1	1	17	76	52	61	0.0024	0.0107	0.1043	0.0866	0.4149	0.6171	0.3103		0.0712	0.0589	0.2094	0.4848	1.0143	0.3818	0.1492	0.4988	0.0172	0.17349	0.27983
Nitrogen Dioxide	TM1	1	2	17	77	53	33	0.0024	0.0105	0.1033	0.0857	0.4102	0.6091	0.3055		0.0702	0.0581	0.2064	0.4778	1.0012	0.3762	0.1472	0.4945	0.0171	0.13014	0.20991
Nitrogen Dioxide	TM1	1	3	17	77	53	30	0.0024	0.0105	0.1033	0.0857	0.4102	0.6091	0.3055		0.0702	0.0581	0.2064	0.4778	1.0012	0.3762	0.1472	0.4945	0.0171	0.14093	0.2273
Nitrogen Dioxide	TM1	1	4	17	77	53	24	0.0024	0.0105	0.1033	0.0857	0.4102	0.6091	0.3055		0.0702	0.0581	0.2064	0.4778	1.0012	0.3762	0.1472	0.4945	0.0171	0.16643	0.26844
Nitrogen Dioxide	TM1	1	5	17	78	53	24	0.0024	0.0105	0.1031	0.0855	0.4093	0.6077	0.3049		0.0701	0.0581	0.2064	0.4768	0.9991	0.3754	0.1469	0.4935	0.0171	0.14601	0.2355
Nitrogen Dioxide	TM1	1	6	17	77	53	47	0.0024	0.0105	0.1033	0.0857	0.4102	0.6091	0.3055		0.0702	0.0581	0.2064	0.4778	1.0012	0.3762	0.1472	0.4945	0.0171	0.13921	0.22453
Nitrogen Dioxide	TM1	1	7	16	77	51	113	0.0025	0.0111	0.106	0.088	0.4223	0.6303	0.3172		0.0728	0.0603	0.2139	0.4951	1.0341	0.3902	0.1522	0.5064	0.0177	0.16575	0.26733
Nitrogen Dioxide	TM1	1	8	17	77	35	331	0.0029	0.0125	0.1262	0.1073	0.5014	0.7706	0.4124		0.0915	0.0769	0.2703	0.626	1.267	0.5029	0.1898	0.6501	0.0183	0.18222	0.2939
Nitrogen Dioxide	TM1	1	9	17	73	28	1367	0.0032	0.0139	0.1425	0.1236	0.5632	0.8848	0.4913		0.1064	0.0936	0.3152	0.73	1.4518	0.5968	0.2207	0.7719	0.0194	0.46395	0.7483
Nitrogen Dioxide	TM1	1	10	19	69	27	1643	0.0031	0.0134	0.1437	0.125	0.5684	0.8894	0.4988		0.1075	0.0947	0.3188	0.7385	1.4643	0.6055	0.2232	0.7814	0.0188	0.48553	0.78312
Nitrogen Dioxide	TM1	1	11	20	64	35	1561	0.0027	0.012	0.1258	0.1071	0.5003	0.7663	0.4116		0.0911	0.0766	0.2697	0.6247	1.2645	0.5019	0.1894	0.6488	0.0178	0.36696	0.59187
Nitrogen Dioxide	TM1	1	12	21	62	41	1464	0.0025	0.011	0.1159	0.0978	0.4607	0.6954	0.3644		0.0818	0.0682	0.242	0.5604	1.1492	0.4457	0.1707	0.5759	0.0169	0.32442	0.52325
Nitrogen Dioxide	TM1	1	13	21	61	42	1353	0.0025	0.011	0.1147	0.0967	0.4567	0.6881	0.3591		0.0808	0.0672	0.2389	0.5532	1.1368	0.4395	0.1686	0.5677	0.017	0.32366	0.52204
Nitrogen Dioxide	TM1	1	14	21	62	44	1281	0.0025	0.0107	0.1119	0.0941	0.4453	0.6682	0.3462		0.0782	0.065	0.2311	0.5352	1.1041	0.4242	0.1634	0.5478	0.0167	0.3139	0.50629
Nitrogen Dioxide	TM1	1	15	21	62	41	1501	0.0025	0.011	0.1159	0.0978	0.4607	0.6954	0.3644		0.0818	0.0682	0.242	0.5604	1.1492	0.4457	0.1707	0.5759	0.0169	0.33037	0.53286
Nitrogen Dioxide	TM1	1	16	21	63	41	1480	0.0025	0.011	0.1156	0.0976	0.4595	0.6933	0.3634		0.0816	0.068	0.2413	0.5589	1.146	0.4445	0.1702	0.5743	0.0169	0.33129	0.53434
Nitrogen Dioxide	TM1	1	17	20	67	34	1486	0.0027	0.0119	0.1269	0.1083	0.5035	0.7725	0.4123		0.0921	0.0775	0.2727	0.6317	1.2754	0.5085	0.1914	0.6574	0.0174	0.37246	0.6088
Nitrogen Dioxide	TM1	1	18	19	72	29	1437	0.003	0.0129	0.1379	0.1195	0.5448	0.8471	0.4692		0.1019	0.0894	0.3021	0.6997	1.3955	0.5703	0.2116	0.7376	0.0183	0.41119	0.66321
Nitrogen Dioxide	TM1	1	19	18	74	33	1338	0.003	0.0129	0.1336	0.1145	0.5296	0.8209	0.4494		0.0984	0.0834	0.2912	0.6745	1.3517	0.5468	0.2041	0.707	0.0185	0.37472	0.60439
Nitrogen Dioxide	TM1	1	20	18	74	40	612	0.0026	0.0116	0.1177	0.0993	0.4678	0.7101	0.3722		0.0835	0.0697	0.2467	0.5714	1.1693	0.4551	0.1739	0.5881	0.0176	0.1702	0.27451
Nitrogen Dioxide	TM1	1	21	18	75	40	518	0.0026	0.0115	0.1175	0.0992	0.4667	0.7083	0.3714		0.0833	0.0695	0.2462	0.5701	1.1666	0.4541	0.1735	0.5867	0.0175	0.17273	0.27859
Nitrogen Dioxide	TM1	1	22	18	76	50	226	0.0024	0.0105	0.1053	0.0877	0.4181	0.6227	0.3153		0.0721	0.0597	0.2124	0.4919	1.0256	0.3878	0.1511	0.5	0.0168	0.19515	0.31476
Nitrogen Dioxide	TM1	1	23	18	75	51	141	0.0024	0.0104	0.1045	0.0869	0.4151	0.6173	0.3118		0.0714	0.0591	0.2102	0.4867	1.0165	0.3835	0.1496	0.4957	0.0169	0.13178	0.34157
Nitrogen Dioxide	TM1	1	24	17	76	52	98	0.0024	0.0107	0.1043	0.0866	0.4149	0.6171	0.3103		0.0712	0.0589	0.2094	0.4848	1.0143	0.3818	0.1492	0.4988	0.0172	0.2647	0.42693
Nitrogen Dioxide	TM1	2	1	17	78	52	61	0.0024	0.0106	0.104	0.0864	0.4131	0.6143	0.309		0.0709	0.0587	0.2085	0.4828	1.0099	0.3802	0.1486	0.4967	0.0171	0.17278	0.27867
Nitrogen Dioxide	TM1	2	2	17	80	53	33	0.0024	0.0104	0.1028	0.0853	0.4076	0.6049	0.3036		0.0697	0.0577	0.2051	0.4748	0.9948	0.3738	0.1463	0.4914	0.0169	0.12935	0.20862
Nitrogen Dioxide	TM1	2	3	17	81	53	30	0.0024	0.0104	0.1026	0.0851	0.4067	0.6035	0.3029		0.0696	0.0576	0.2047	0.4737	0.9927	0.373	0.146	0.4903	0.0169	0.13977	0.22544
Nitrogen Dioxide	TM1	2	4	17	82	53	24	0.0024	0.0103	0.1025	0.085	0.4058	0.6021	0.3023		0.0694	0.0575	0.2042	0.4727	0.9906	0.3721	0.1457	0.4893	0.0168	0.16471	0.26566
Nitrogen Dioxide	TM1	2	5	16	83	53	24	0.0025	0.0107	0.1032	0.0856	0.4096	0.6088	0.3051		0.0701	0.0581	0.2061	0.4771	0.9998	0.3756	0.147	0.4938	0.0172	0.14618	0.23577
Nitrogen Dioxide	TM1	2	6	16	83	53	47	0.0025	0.0107	0.1032	0.0856	0.4096	0.6088	0.3051		0.0701	0.0581	0.2061	0.4771	0.9998	0.3756	0.147	0.4938	0.0172	0.13908	0.22432
Nitrogen Dioxide	TM1	2	7	16	83	51	113	0.0025	0.0108	0.105	0.0873	0.4173	0.6222	0.3135		0.0719	0.0595	0.2113	0.4892	1.0218	0.3855	0.1504	0.5003	0.0173	0.16382	0.26422
Nitrogen Dioxide	TM1	2	8	17	81	35	331	0.0028	0.0123	0.1254	0.1066	0.4971	0.7635	0.4089		0.0906	0.0762	0.268	0.6207	1.2562	0.4986	0.1882	0.6445	0.018	0.18062	0.29133
Nitrogen Dioxide	TM1	2	9	18	77	28	1367	0.0031	0.0132	0.1404	0.1218	0.5541	0.865	0.4816		0.1042	0.0917	0.309	0.7157	1.4234	0.5851	0.2164	0.7568	0.0186	0.45431	0.73277
Nitrogen Dioxide	TM1	2	10	19	73	27	1643	0.0031	0.0131	0.1427	0.1241	0.5628	0.88	0.4939		0.1064	0.0938	0.3156	0.7313	1.45	0.5996	0.221	0.7737	0.0185	0.48063	0.77522
Nitrogen Dioxide	TM1	2	11	20	70	35	1561	0.0027	0.0116	0.1244	0.1059	0.4925	0.7534	0.4052		0.0896	0.0753	0.2655	0.615	1.2447	0.4941	0.1865	0.6386	0.0173	0.36111	0.58244
Nitrogen Dioxide	TM1	2	12	20	68	41	1464	0.0025	0.011	0.1155	0.0974	0.4585	0.6926	0.3626		0.0814	0.0679	0.2408	0.5577	1.1437	0.4436	0.1699	0.5733	0.0169	0.32295	0.52088
Nitrogen Dioxide	TM1	2	13	21	65	42	1353	0.0025	0.0108	0.1138	0.0959	0.4516	0.6798	0.3551		0.0799	0.0665	0.2362	0.5471	1.1241	0.4346	0.1667	0.5614	0.0166	0.31998	0.51609
Nitrogen Dioxide	TM1	2	14	21	65	44	1281	0.0024	0.0106	0.1113	0.0935	0.4415	0.6621	0.3433		0.0775	0.0644	0.2292	0.5308	1.0948	0.4206	0.1621	0.5432	0.0165	0.31119	0.50192
Nitrogen Dioxide	TM1	2	15	21	66	41	1501	0.0025	0.0108	0.1149	0.097	0.4596	0.687	0.3603		0.0809	0.0674	0.2393	0.5542	1.1364	0.4408	0.1688	0.5695	0.0166	0.32659	0.52675
Nitrogen Dioxide	TM1	2	16	20	68	41	1480	0.0025	0.011	0.1155	0.0974	0.4585	0.6926	0.3626		0.0814	0.0679	0.2408	0.5577	1.1437	0.4436	0.1699	0.5733	0.0169	0.33042	0.53272
Nitrogen Dioxide	TM1	2	17	20	70	34	1486	0.0027	0.0118	0.1262	0.1077	0.4995	0.7659	0.4139		0.0913	0.0769	0.2705	0.6267	1.2654	0.5045	0.1899	0.6522	0.0174	0.37441	0.60389
Nitrogen Dioxide	TM1	2	18	19	74	29	1437	0.003	0.0128	0.1374	0.1191	0.5422	0.8426	0.4669		0.1014	0.0889	0.3006	0.6963	1.3887	0.5675	0.2106	0.7339	0.0182	0.40913	0.65989
Nitrogen Dioxide	TM1	2	19	18	76	31	1338	0.0029	0.0128	0.1331	0.1141	0.5273	0.8169	0.4473		0.0979	0.083	0.2899	0.6714	1.3455	0.5443	0.2032	0.7037	0.0183	0.37295	0.60153
Nitrogen Dioxide	TM1	2	20	18	78	40	612	0.0026	0.0114	0.1169	0.0987	0.4635	0.703	0.3688		0.0827	0.069	0.2445	0.5661	1.1586	0.4509	0.1723	0.5827	0.0173	0.16867	0.27205
Nitrogen Dioxide	TM1	2	21	18	78	40	518	0.0026	0.0114	0.1169	0.0987	0.4635	0.703	0.3688		0.0827	0.069	0.2445	0.5661	1.1586	0.4509	0.1723	0.5827	0.0173	0.17157	0.27673
Nitrogen Dioxide	TM1	2	22	18	78	50	226	0.0024	0.0104	0.1049	0.0874	0.4162	0.6196	0.3114		0.0718	0.0594	0.2115	0.4896	1.0208	0.386	0.1504	0.4977	0.0167	0.19426	0.31332
Nitrogen Dioxide	TM1	2	23	18	78	51	141	0.0024	0.0103	0.104	0.0865	0.4122	0.6127	0.3097		0.0709	0.0587	0.2088	0.4833	1.0095	0.3809	0.1486	0.4943	0.0166	0.21035	0.33927
Nitrogen Dioxide	TM1	2	24	18	78	52	98	0.0023	0.0102	0.1031	0.0857	0.4084	0.606	0.3055		0.07	0.0579	0.2061	0.4773	0.9984	0.3759	0.1469	0.491	0.0166	0.26058	0.4203
Nitrogen Dioxide	TM1	3	1	21	86	52	61	0.0021	0.009	0.0984	0.0819	0.3833	0.564	0.2867		0.0654	0.0541	0.1934	0.4479	0.937	0.3528	0.1379	0.4608	0.0144	0.16044	0.25878
Nitrogen Dioxide	TM1	3	2	20	87	53	33	0.0021	0.0091	0.0985	0.0819	0.3849	0.5667	0.2866		0.0656	0.0543	0.1936	0.4483	0.9394	0.3529	0.1381	0.4641	0.0149	0.12225	0.19717
Nitrogen Dioxide	TM1	3	3	20	87	53	30	0.0021	0.0091	0.0985	0.0819	0.3849	0.5667	0.2866		0.0656	0.0543	0.1936	0.4483	0.9394	0.3529	0.1381	0.4641	0.0149	0.13238	0.21352
Nitrogen Dioxide	TM1	3	4	20	87	53	24	0.0021	0.0091	0.0985	0.0819	0.3849	0.5667	0.2866		0.0656	0.0543	0.1936	0.4483	0.9394	0.3529	0.1381	0.4641	0.0149	0.15636	0.2522
Nitrogen Dioxide	TM1	3	5	20	87	53	24	0.0021	0.0091	0.0985	0.0819	0.3849	0.5667	0.2866		0.0656	0.0543	0.1936	0.4483	0.9394	0.3529	0.1381	0.4641	0.0149	0.13738	0.22158
Nitrogen Dioxide	TM1	3	6	20	87	53	47	0.0021	0.0091	0.0985	0.0819	0.3849	0.5667	0.2866		0.0656	0.0543	0.1936	0.4483	0.9394	0.3529	0.1381	0.4641	0.0149	0.13094	0.2112
Nitrogen Dioxide	TM1	3	7	20	87	51	113	0.0021	0.0092	0.1002	0.0835	0.392	0.5791	0.2945		0.0672	0.0556	0.1985	0.4597	0.96	0.3622	0.1413	0.4701	0.0149	0.15388	0.2482
Nitrogen Dioxide	TM1	3	8	20	86	35	331	0.0025	0.0109	0.1206	0.1028	0.4717	0.7189	0.388		0.0857	0.072	0.2542	0.5889	1.192	0.4731	0.1786	0.6116	0.016	0.17107	0.27592
Nitrogen Dioxide	TM1	3	9	21	83	28	1367	0.0027	0.0117	0.1347	0.117	0.5235	0.8106	0.4

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:

(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.

(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Dioxide	TM1	4	1	20	83	52	61	0.0021	0.0093	0.1001	0.0833	0.3927	0.5797	0.2937		0.0671	0.0556	0.1982	0.4589	0.9601	0.3614	0.1413	0.4722	0.0152	0.16428	0.26496
Nitrogen Dioxide	TM1	4	2	20	85	53	33	0.0021	0.0092	0.0989	0.0822	0.387	0.5701	0.2882		0.0659	0.0546	0.1947	0.4508	0.9446	0.3549	0.1389	0.4666	0.015	0.12289	0.19822
Nitrogen Dioxide	TM1	4	3	20	84	53	30	0.0021	0.0092	0.099	0.0824	0.388	0.5718	0.2891		0.0661	0.0547	0.1952	0.452	0.9472	0.3558	0.1393	0.4678	0.0151	0.1334	0.21517
Nitrogen Dioxide	TM1	4	4	20	85	53	24	0.0021	0.0092	0.0989	0.0822	0.387	0.5701	0.2882		0.0659	0.0546	0.1947	0.4508	0.9446	0.3549	0.1389	0.4666	0.015	0.15719	0.25353
Nitrogen Dioxide	TM1	4	5	19	84	53	24	0.0022	0.0095	0.1001	0.0832	0.3937	0.5814	0.2932		0.0672	0.0556	0.1981	0.4586	0.961	0.361	0.1413	0.4747	0.0156	0.14046	0.22655
Nitrogen Dioxide	TM1	4	6	19	84	53	47	0.0022	0.0095	0.1001	0.0832	0.3937	0.5814	0.2932		0.0672	0.0556	0.1981	0.4586	0.961	0.361	0.1413	0.4747	0.0156	0.13379	0.2158
Nitrogen Dioxide	TM1	4	7	20	84	51	113	0.0022	0.0094	0.1008	0.084	0.3953	0.5843	0.297		0.0677	0.0561	0.2001	0.4635	0.968	0.3652	0.1425	0.474	0.0152	0.15517	0.25027
Nitrogen Dioxide	TM1	4	8	21	79	35	331	0.0025	0.0109	0.121	0.1031	0.4739	0.7218	0.3898		0.086	0.0724	0.2554	0.5917	1.1976	0.4754	0.1794	0.6145	0.016	0.1718	0.2771
Nitrogen Dioxide	TM1	4	9	22	73	28	1362	0.0028	0.012	0.1362	0.1182	0.5315	0.8232	0.462		0.0996	0.0876	0.2963	0.6865	1.3652	0.5612	0.2075	0.7258	0.0167	0.43447	0.70076
Nitrogen Dioxide	TM1	4	10	23	69	27	1643	0.0028	0.0121	0.1385	0.1205	0.5401	0.8379	0.4774		0.1017	0.0897	0.3028	0.7017	1.3914	0.5754	0.2121	0.7444	0.0166	0.45983	0.74167
Nitrogen Dioxide	TM1	4	11	23	68	35	1561	0.0025	0.011	0.1215	0.1034	0.4762	0.7241	0.3918		0.0864	0.0727	0.2566	0.5946	1.2036	0.4777	0.1803	0.6173	0.0159	0.34846	0.56204
Nitrogen Dioxide	TM1	4	12	24	66	41	1464	0.0023	0.0102	0.1117	0.0943	0.4376	0.6559	0.3461		0.0774	0.0645	0.2298	0.5323	1.0916	0.4234	0.1621	0.547	0.0151	0.30743	0.49586
Nitrogen Dioxide	TM1	4	13	24	65	42	1353	0.0023	0.0101	0.1107	0.0933	0.4341	0.6495	0.3413		0.0765	0.0637	0.227	0.5259	1.0806	0.4177	0.1603	0.5397	0.0151	0.30695	0.49508
Nitrogen Dioxide	TM1	4	14	24	66	44	1281	0.0023	0.0099	0.1079	0.0907	0.4229	0.6302	0.3288		0.074	0.0615	0.2195	0.5084	1.0487	0.4029	0.1552	0.5203	0.0149	0.29745	0.47975
Nitrogen Dioxide	TM1	4	15	24	66	41	1501	0.0023	0.0102	0.1117	0.0943	0.4376	0.6559	0.3461		0.0774	0.0645	0.2298	0.5323	1.0916	0.4234	0.1621	0.547	0.0151	0.31309	0.50498
Nitrogen Dioxide	TM1	4	16	24	67	41	1480	0.0023	0.0101	0.1114	0.094	0.4361	0.6533	0.3449		0.0771	0.0643	0.2289	0.5304	1.0877	0.4219	0.1613	0.5451	0.015	0.31368	0.50594
Nitrogen Dioxide	TM1	4	17	23	69	34	1486	0.0026	0.0111	0.1229	0.1049	0.4814	0.7335	0.3989		0.0877	0.0739	0.2607	0.604	1.2195	0.4862	0.183	0.6283	0.0158	0.36008	0.58077
Nitrogen Dioxide	TM1	4	18	22	74	29	1437	0.0027	0.0118	0.1335	0.1157	0.5208	0.8041	0.4486		0.0971	0.0852	0.2887	0.6689	1.334	0.5452	0.2023	0.7051	0.0165	0.39218	0.63255
Nitrogen Dioxide	TM1	4	19	22	76	31	1338	0.0026	0.0114	0.1281	0.1099	0.4998	0.7676	0.4243		0.0924	0.0784	0.2747	0.6365	1.2756	0.516	0.1926	0.6671	0.0161	0.35258	0.56867
Nitrogen Dioxide	TM1	4	20	21	79	40	612	0.0024	0.0103	0.1133	0.0957	0.4441	0.6691	0.3534		0.079	0.0659	0.2342	0.5425	1.1101	0.4321	0.1651	0.5583	0.0156	0.3616	0.26064
Nitrogen Dioxide	TM1	4	21	21	80	45	518	0.0024	0.0103	0.1131	0.0955	0.4428	0.6669	0.3524		0.0787	0.0657	0.2335	0.5409	1.1068	0.4308	0.1646	0.5567	0.0155	0.16398	0.26449
Nitrogen Dioxide	TM1	4	22	21	81	50	226	0.0021	0.0093	0.1012	0.0845	0.3964	0.586	0.2991		0.0681	0.0564	0.2014	0.4664	0.9724	0.3677	0.1432	0.4741	0.0149	0.18503	0.29844
Nitrogen Dioxide	TM1	4	23	21	82	51	141	0.0021	0.0092	0.1001	0.0834	0.3915	0.5776	0.2941		0.067	0.0555	0.1982	0.459	0.9587	0.3617	0.1411	0.4694	0.0148	0.19983	0.32231
Nitrogen Dioxide	TM1	4	24	20	82	52	98	0.0022	0.0094	0.1003	0.0835	0.3938	0.5814	0.2945		0.0673	0.0557	0.1987	0.4602	0.9627	0.3624	0.1416	0.4735	0.0153	0.25131	0.40534
Nitrogen Dioxide	TM1	5	1	26	91	52	61	0.0017	0.0072	0.0903	0.0753	0.3386	0.4915	0.2533		0.0573	0.0475	0.1707	0.3957	0.8279	0.3117	0.1218	0.4071	0.011	0.14213	0.22924
Nitrogen Dioxide	TM1	5	2	25	92	53	33	0.0017	0.0074	0.0908	0.0756	0.3426	0.4975	0.2552		0.0579	0.048	0.1722	0.3991	0.8363	0.3142	0.123	0.4131	0.0114	0.10926	0.17622
Nitrogen Dioxide	TM1	5	3	25	92	53	30	0.0017	0.0074	0.0908	0.0756	0.3426	0.4975	0.2552		0.0579	0.048	0.1722	0.3991	0.8363	0.3142	0.123	0.4131	0.0114	0.11833	0.19085
Nitrogen Dioxide	TM1	5	4	25	91	53	24	0.0017	0.0075	0.0911	0.0759	0.3441	0.4999	0.2563		0.0581	0.0482	0.173	0.4008	0.8399	0.3155	0.1235	0.4148	0.0115	0.14032	0.22632
Nitrogen Dioxide	TM1	5	5	25	92	53	24	0.0017	0.0074	0.0908	0.0756	0.3426	0.4975	0.2552		0.0579	0.048	0.1722	0.3991	0.8363	0.3142	0.123	0.4131	0.0114	0.12268	0.19788
Nitrogen Dioxide	TM1	5	6	25	93	53	47	0.0017	0.0073	0.0905	0.0754	0.3412	0.4952	0.2541		0.0576	0.0477	0.1715	0.3974	0.8327	0.3128	0.1225	0.4113	0.0113	0.11686	0.18848
Nitrogen Dioxide	TM1	5	7	26	91	51	113	0.0017	0.0073	0.0911	0.0761	0.3418	0.4969	0.2568		0.058	0.0481	0.1729	0.4008	0.837	0.3158	0.1232	0.4098	0.011	0.13462	0.21713
Nitrogen Dioxide	TM1	5	8	27	85	35	331	0.002	0.0086	0.1098	0.0935	0.4112	0.6166	0.3383		0.0714	0.0624	0.2215	0.5135	1.0593	0.4125	0.1557	0.5312	0.0118	0.14888	0.24013
Nitrogen Dioxide	TM1	5	9	28	80	28	1367	0.0022	0.0095	0.1233	0.1068	0.4596	0.7012	0.3995		0.0854	0.0733	0.256	0.5937	1.1806	0.4853	0.1795	0.6277	0.0123	0.37372	0.60278
Nitrogen Dioxide	TM1	5	10	28	78	27	1643	0.0023	0.0098	0.1265	0.1098	0.4728	0.7241	0.4149		0.0884	0.0781	0.2649	0.6143	1.218	0.5037	0.1856	0.6516	0.0127	0.40066	0.64622
Nitrogen Dioxide	TM1	5	11	29	77	35	1561	0.002	0.0087	0.1092	0.0929	0.4073	0.6102	0.3351		0.0733	0.0617	0.2194	0.5086	1.0294	0.4086	0.1542	0.5282	0.0116	0.29679	0.47869
Nitrogen Dioxide	TM1	5	12	29	75	41	1464	0.0019	0.0083	0.1017	0.0858	0.3815	0.5648	0.3017		0.067	0.0559	0.2002	0.464	0.9515	0.3691	0.1413	0.4768	0.0115	0.26707	0.43075
Nitrogen Dioxide	TM1	5	13	29	74	42	1353	0.0019	0.0083	0.1009	0.085	0.3791	0.5605	0.2981		0.0663	0.0553	0.1981	0.4593	0.9438	0.3649	0.14	0.4713	0.0116	0.26722	0.431
Nitrogen Dioxide	TM1	5	14	29	75	44	1281	0.0019	0.008	0.0983	0.0826	0.3682	0.5427	0.2866		0.064	0.0533	0.1912	0.4432	0.9141	0.3512	0.1353	0.4553	0.0113	0.25839	0.41676
Nitrogen Dioxide	TM1	5	15	29	75	41	1501	0.0019	0.0083	0.1017	0.0858	0.3815	0.5648	0.3017		0.067	0.0559	0.2002	0.464	0.9515	0.3691	0.1413	0.4768	0.0115	0.272	0.4387
Nitrogen Dioxide	TM1	5	16	29	77	41	1480	0.0019	0.0081	0.101	0.0852	0.3772	0.5579	0.2983		0.0662	0.0553	0.1979	0.4588	0.9409	0.365	0.1397	0.4715	0.0112	0.27035	0.43605
Nitrogen Dioxide	TM1	5	17	28	78	34	1486	0.0021	0.009	0.1123	0.0957	0.4214	0.634	0.3492		0.0762	0.0643	0.228	0.5287	1.0675	0.4256	0.1602	0.5502	0.0121	0.31404	0.50652
Nitrogen Dioxide	TM1	5	18	28	81	29	1437	0.0022	0.0093	0.1207	0.1044	0.4495	0.6833	0.3871		0.0831	0.0731	0.2489	0.5772	1.1512	0.4705	0.1746	0.6084	0.0121	0.33694	0.54346
Nitrogen Dioxide	TM1	5	19	27	84	31	1338	0.0021	0.0092	0.1171	0.1004	0.4385	0.6642	0.3721		0.0804	0.0684	0.2408	0.5584	1.1191	0.4527	0.169	0.5853	0.0122	0.30819	0.49708
Nitrogen Dioxide	TM1	5	20	27	87	40	612	0.0018	0.008	0.1021	0.0863	0.3816	0.5655	0.3036		0.0672	0.0562	0.201	0.4661	0.9538	0.3712	0.1418	0.4797	0.0112	0.13922	0.22454
Nitrogen Dioxide	TM1	5	21	27	88	40	518	0.0018	0.0079	0.1018	0.086	0.3797	0.5624	0.3021		0.0669	0.0559	0.2	0.4638	0.9491	0.3694	0.1411	0.4773	0.0111	0.14118	0.22771
Nitrogen Dioxide	TM1	5	22	26	89	50	226	0.0017	0.0074	0.0926	0.0773	0.3483	0.5076	0.2628		0.0593	0.0492	0.1768	0.4097	0.8543	0.3231	0.1258	0.4165	0.0112	0.16287	0.26269
Nitrogen Dioxide	TM1	5	23	26	89	51	141	0.0017	0.0074	0.0917	0.0765	0.345	0.502	0.2592		0.0586	0.0486	0.1745	0.4045	0.8448	0.3187	0.1244	0.4137	0.0112	0.17646	0.28462
Nitrogen Dioxide	TM1	5	24	26	90	52	98	0.0017	0.0073	0.0906	0.0755	0.3402	0.494	0.2543		0.0576	0.0477	0.1715	0.3976	0.8317	0.3131	0.1224	0.409	0.0111	0.21743	0.3507
Nitrogen Dioxide	TM1	6	1	28	88	52	61	0.0018	0.0088	0.1087	0.0733	0.3253	0.4701	0.2433		0.0549	0.0455	0.1644	0.3801	0.7952	0.2994	0.1117	0.3911	0.01	0.1367	0.22048
Nitrogen Dioxide	TM1	6	2	27	89	53	33	0.0016	0.007	0.0885	0.0737	0.3298	0.4773	0.2457		0.0556	0.0461	0.1658	0.3842	0.8051	0.3025	0.1184	0.3976	0.0105	0.10535	0.16993
Nitrogen Dioxide	TM1	6	3	27	89	53	30	0.0016	0.007	0.0885	0.0737	0.3298	0.4773	0.2457		0.0556	0.0461	0.1658	0.3842	0.8051	0.3025	0.1184	0.3976	0.0105	0.11411	0.18405
Nitrogen Dioxide	TM1	6	4	27	88	53	24	0.0016	0.007	0.0888	0.074	0.3315	0.4799	0.2469		0.0559	0.0463	0.1666	0.3861	0.8091	0.304	0.119	0.3996	0.0107	0.13537	0.21834
Nitrogen Dioxide	TM1	6	5	27	89	53	24	0.0016	0.007	0.0885	0.0737	0.3298	0.4773	0.2457		0.0556	0.0461	0.1658	0.3842	0.8051	0.3025	0.1184	0.3976	0.0105	0.11827	0.19076
Nitrogen Dioxide	TM1	6	6	27	90	53	47	0.0016	0.0069	0.0882	0.0735	0.3282	0.4746	0.2444		0.0553	0.0458	0.1649	0.3823	0.801	0.3009	0.1178	0.3956	0.0104	0.11271	0.1818
Nitrogen Dioxide	TM1	6	7	27	89	51	113	0.0016	0.0069	0.0891	0.0743	0.3301	0.4784	0.248		0.0559	0.0464	0.167	0.3871	0.8084	0.3035	0.1193	0.4016	0.0108	0.13018	0.20996
Nitrogen Dioxide	TM1	6	8	29	82	35	331	0.0019	0.0082	0.1071	0.0911	0.3959	0.5914	0.3257		0.0711	0.0599	0.2132	0.4943	1.0005	0.3971	0.1499	0.5133	0.0109	0.14335	0.23121
Nitrogen Dioxide	TM1	6	9	29	79	28	1367	0.0022	0.0092	0.1216	0.1054	0.4502	0.6854	0.3913		0.0836	0.0738	0.2507	0.5815	1.1564	0.4754	0.1758	0.6148	0.0118	0.36581	0.59002
Nitrogen Dioxide	TM1	6	10	30	76	27	1643	0.0022	0.0093	0.1231	0.1068	0.4539	0.6924	0.3984		0.0847	0.0749	0.2543	0.5898	1.1695	0.4836	0.1783	0.6257	0.0116	0.38416	0.61961
Nitrogen Dioxide	TM1	6	11	30	75	35	1561	0.002	0.0085	0.1082	0.092	0.4014	0.6004	0.3302		0.0722	0.0608	0.2161	0.5012	1.0144	0.4026	0.152	0.5204	0.0112	0.29234	0.47152
Nitrogen Dioxide	TM1	6	12	30	74	41	1464	0.0019	0.0081	0.1004	0.0847	0.3739	0.5526	0.2927		0.0656	0.0548	0.1962	0.4549	0.9327	0.3618	0.1385	0.4674	0.011	0.26165	0.42202
Nitrogen Dioxide	TM1	6	13	30	73	42	1353	0.0018	0.0078	0.0979	0.0824	0.362	0.5328	0.2846		0.0632	0.0528	0.1891	0.4383	0.9011	0.3483	0.1357	0.4503	0.0105	0.25484	0.41103
Nitrogen Dioxide	TM1	6	14	31	72	44	1281	0.0018	0.0078	0.0961	0.0807	0.3562	0.5227	0.277		0.0617	0.0515	0.1847	0.4282	0.8833	0.3394	0.1307	0.4382	0.0105	0.24949	0.40241
Nitrogen Dioxide	TM1	6	15	30	74	41	1501	0.0019	0.0081	0.1004	0.0847	0.3739	0.5526	0.2957		0.0656	0.0548	0.1962	0.4549	0.9327	0.3618	0.1385	0.4674	0.011	0.26648	0.42981
Nitrogen Dioxide	TM1	6	16	30	74	41	1480	0.0019	0.0081	0.1004	0.0847	0.3739	0.5526	0.2957		0.0656	0.0548	0.1962	0.4549	0.9327	0.3618	0.1385	0.4674	0.011	0.26795	0.43218
Nitrogen Dioxide	TM1	6	17	30	75	34	1486	0.002	0.0087	0.1097	0.0935	0.4071	0.6104	0.3373		0.0735	0.0621	0.2202	0.5107	1.0312	0.4111	0.1548	0.5315	0.0113	0.30308	0.48883
Nitrogen Dioxide	TM1	6	18	29	81	39	1437	0.0021	0.0091	0.1195	0.1033	0.4426	0.6718	0.3811		0.0817	0.0719	0.2451	0.5684	1.1335	0.4633	0.1719	0.5991	0.0117	0.33161	0.53485
Nitrogen Dioxide	TM1	6	19	29	81	31	1338	0.002	0.0087	0.1143	0.0979	0.4225	0.6377	0.3585		0.0774	0.0658	0.232	0.538	1.0783	0.4362	0.1628	0.564	0.0113	0.29669	0.47853
Nitrogen Dioxide	TM1	6	20	28	83	40	612	0.0018	0.008	0.1017	0.0859	0.3793	0.5618	0.3018		0.0668	0.0559	0.1998	0.4633	0.948	0.369	0.141	0.4768	0.0111	0.13842	0.22325
Nitrogen Dioxide	TM1	6	21	28	85	40	518	0.0018	0.0078	0.101	0.0853	0.3753	0.5552	0.2986		0.066	0.0552	0.1977	0.4583	0.9379	0.3651	0.1395	0.4717	0.0108	0.1396	0.22516
Nitrogen Dioxide	TM1	6	22	28	86	50	226	0.0016	0.007	0.0902	0.0754	0.3351	0.4866	0.2529		0.0569	0.0472	0.1701	0.3942	0.822	0.3108	0.1211	0.4007	0.0103	0.15683	0.25295
Nitrogen Dioxide	TM1	6	23	28	86	53	141	0.0016	0.0069	0.0891	0.0743	0.3301	0.4784	0.248		0.0559	0.0464	0.167	0.3871	0.8084	0.305	0.1193	0.3959	0.0102	0.16902	0.27261
Nitrogen Dioxide	TM1	6	24	28	86	52	98	0.0016	0.0069	0.0883	0.0736	0.3271	0.4732	0.2446		0.0552	0.0458	0.1649	0.3822	0.7986	0.301	0.1179	0.3932	0.0102	0.20915	0.33734
Nitrogen Dioxide	TM1	7	1	28	84	52	61	0.0016	0.0071	0.0893	0.0744	0.3324	0.4817	0.2486		0.0562	0.0466	0.1676	0.3885	0.8127	0.3059	0.1196	0.3997	0.0105	0.13961	0.22519
Nitrogen Dioxide	TM1	7	2	28	84	53	33	0.0016	0.007	0.0885	0.0737	0.3294	0.4765	0.2453		0.0555	0.046	0.1655	0.3837	0.8039	0.302	0.1182	0.3971	0.0105	0.10523	0.16973
Nitrogen Dioxide	TM1	7	3	28	86	53	30	0.0016	0.0069	0.0879	0.0732	0.3258	0.4709	0.2427		0.0549	0.0455	0.1637	0.3796	0.7953	0.2988	0.117	0.3928	0.0103	0.11283	0.18199
Nitrogen Dioxide	TM1	7	4	28	86	53	24	0.0016	0.0069	0.0879	0.0732	0.3258	0.4709	0.2427		0.0549	0.0455	0.1637	0.3796	0.7953	0.2988	0.117	0.3928	0.0103	0.1332	0.21484
Nitrogen Dioxide	TM1	7	5	28	86	53	24	0.0016	0.0067	0.0872	0.0726	0.3225	0.4653	0.2401		0.0542	0.0445	0.1622	0.3754	0.7867	0.2956	0.1157	0.3886	0.01	0.11568	0.18658
Nitrogen Dioxide	TM1	7	6	27	88	53	47	0.0016	0.007	0.0888	0.0741	0.3315	0.4799	0.2469		0.0559	0.0463	0.1666	0.3861	0.8091	0.304	0.119	0.3996	0.0107	0.11377	0.1835
Nitrogen Dioxide	TM1	7	7	28	86	51	113	0.0016	0.007	0.0894	0.0746	0.3339	0.4812	0.2494		0.0562	0.0466	0.1679	0.3892	0.8128	0.3067	0.1197	0.3998	0.0103	0.13086	0.21107
Nitrogen Dioxide	TM1	7	8	29	81	35	331	0.0019	0.0083	0.1075	0.0915	0.3982	0.5952	0.3276		0.0715	0.0603	0.2144	0.4972	1.0063	0.3994	0.1508	0.5163	0.011	0.14419	0.23256
Nitrogen Dioxide	TM1	7	9	30	76	28	1367	0.0022	0.0092	0.1209	0.1047	0.446	0.6782	0.3876		0.0827	0.073	0.2484	0.576	1.1455	0.4709	0.1741	0.609	0.0116	0.36224	0.58425
Nitrogen Dioxide	TM1	7	10	31	70	27	1643	0.0023	0.0097	0.1241	0.1076	0.4588	0.7006	0.4026		0.0857	0.0758	0.257	0.5961	1.182	0.4888	0.1802	0.6325	0.0119	0.38842	0.62648
Nitrogen Dioxide	TM1	7	11	31	68	33	1561	0.0021	0.009	0.1095	0.093	0.4084	0.6119	0.3359		0.0735	0.0619	0.2199	0.5099	1.032	0.4096	0.1546	0.5285	0.0116	0.29758	0.47997
Nitrogen Dioxide	TM1	7	12	32	67	41	1464	0.0019	0.0082	0.1	0.0842	0.371	0.5477	0.2934		0.065	0.0544	0.1946	0.4512	0.9253	0.3589	0.1374	0.4637	0.0108	0.25955	0.41862
Nitrogen Dioxide	TM1	7	13	32	66	42	1353	0.0019	0.0083	0.0993	0.0835	0.3692	0.5444	0.2903		0.0645	0.0539	0.1929	0.4472	0.9189	0.3553	0.1363	0.4589	0.0109	0.26008	0.41948
Nitrogen Dioxide	TM1	7	14	32	66	44	1281	0.0019	0.0081	0.097	0.0814	0.3609	0.5303	0.2806		0.0626	0.0522	0.1872	0.4339	0.895	0.3438	0.1323	0.444	0.0108	0.25288	0.40787
Nitrogen Dioxide	TM1	7	15	31	68	41	1501	0.0019	0.0084	0.1012	0.0853	0.3782	0.5594	0.2991		0.0664	0.0555	0.1984	0.46	0.9433	0.3659	0.1401	0.4727	0.0113	0.2696	0.43484
Nitrogen Dioxide	TM1	7	16	31	69	41	1480	0.0019	0.0083	0.1008	0.0849	0.3758	0.5556	0.2972		0.0659	0.0551	0.1972	0.4571	0.9373	0.3636	0.1392	0.4697	0.0111	0.26953	0.43441
Nitrogen Dioxide	TM1	7	17	31	69	42	1486	0.0021	0.0089	0.1101	0.0938	0.4089	0.6134	0.3389		0.0779	0.0624	0.2213	0.513	1.0359	0.4013	0.1555	0.5339	0.0114	0.30454	0.49119
Nitrogen Dioxide	TM1	7	18	30	73	29	1437	0.0022	0.0094	0.1202	0.1039	0.4464	0.6782	0.3844		0.0825	0.0726	0.2472	0.5733	1.1433	0.4673	0.1734	0.6043	0.0119	0.33458	0.53965
Nitrogen Dioxide	TM1	7	19	29	76	31	1338	0.0021	0.0092	0.1165	0.0998	0.4346	0.6578	0.3688		0.0797	0.0678	0.2387	0.5

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:

(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.

(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Dioxide	TM1	10	6	23	75	53	47	0.0021	0.0089	0.0977	0.0813	0.3806	0.5582	0.2835		0.0647	0.0535	0.1914	0.4433	0.929	0.349	0.1366	0.4589	0.0142	0.12957	0.20898
Nitrogen Dioxide	TM1	10	7	23	75	51	113	0.0021	0.009	0.0994	0.0829	0.3877	0.5704	0.2913		0.0663	0.0549	0.1963	0.4546	0.9494	0.3582	0.1398	0.4649	0.0142	0.15218	0.24545
Nitrogen Dioxide	TM1	10	8	23	72	35	331	0.0025	0.0108	0.1203	0.1025	0.4699	0.7137	0.3866		0.0852	0.0717	0.2532	0.5867	1.1876	0.4714	0.1779	0.6093	0.0155	0.17029	0.27466
Nitrogen Dioxide	TM1	10	9	24	69	28	1367	0.0027	0.0117	0.1346	0.1168	0.5226	0.8066	0.4542		0.0978	0.0861	0.2913	0.675	1.3424	0.5518	0.2041	0.7137	0.0159	0.4266	0.68807
Nitrogen Dioxide	TM1	10	10	25	64	27	1643	0.0028	0.012	0.1374	0.1195	0.5336	0.8263	0.4683		0.1004	0.0886	0.2991	0.6933	1.3747	0.5685	0.2095	0.7355	0.0161	0.454	0.73226
Nitrogen Dioxide	TM1	10	11	26	61	35	1561	0.0025	0.0108	0.1199	0.1021	0.4673	0.7088	0.3844		0.0847	0.0712	0.2518	0.5835	1.181	0.4688	0.177	0.606	0.0152	0.34167	0.55108
Nitrogen Dioxide	TM1	10	12	27	60	41	1464	0.0023	0.01	0.1101	0.0928	0.4278	0.6399	0.3383		0.0756	0.063	0.2246	0.5204	1.0671	0.4139	0.1585	0.5347	0.0144	0.30037	0.48447
Nitrogen Dioxide	TM1	10	13	27	59	42	1353	0.0023	0.01	0.1091	0.0918	0.4247	0.6342	0.3339		0.0748	0.0623	0.2221	0.5145	1.0572	0.4087	0.1568	0.528	0.0145	0.30016	0.48414
Nitrogen Dioxide	TM1	10	14	27	59	44	1281	0.0022	0.0098	0.1067	0.0895	0.4153	0.6178	0.3229		0.0726	0.0605	0.2155	0.4992	1.0297	0.3956	0.1524	0.5108	0.0144	0.29196	0.4709
Nitrogen Dioxide	TM1	10	15	27	60	41	1501	0.0023	0.01	0.1101	0.0928	0.4278	0.6399	0.3383		0.0756	0.063	0.2246	0.5204	1.0671	0.4139	0.1585	0.5347	0.0144	0.30059	0.48339
Nitrogen Dioxide	TM1	10	16	27	62	41	1480	0.0023	0.0098	0.1094	0.0922	0.424	0.6338	0.3354		0.0749	0.0624	0.2226	0.5158	1.0577	0.4103	0.1571	0.53	0.0142	0.30486	0.49171
Nitrogen Dioxide	TM1	10	17	26	65	34	1486	0.0025	0.0106	0.1203	0.1026	0.4662	0.7079	0.3864		0.0848	0.0715	0.2524	0.5849	1.1811	0.4709	0.1773	0.6087	0.0148	0.3484	0.56193
Nitrogen Dioxide	TM1	10	18	25	67	29	1437	0.0027	0.0114	0.1315	0.1139	0.5094	0.7834	0.4387		0.0947	0.0832	0.2823	0.6542	1.3047	0.5332	0.1978	0.6896	0.0155	0.38309	0.61789
Nitrogen Dioxide	TM1	10	19	25	69	31	1338	0.0025	0.011	0.126	0.1081	0.4881	0.7466	0.4141		0.09	0.0764	0.2682	0.6216	1.2457	0.5039	0.1881	0.6515	0.0151	0.34387	0.55464
Nitrogen Dioxide	TM1	10	20	25	71	40	612	0.0022	0.0097	0.1104	0.0933	0.4278	0.6405	0.3404		0.0758	0.0633	0.2255	0.5224	1.0691	0.4161	0.1591	0.5377	0.0142	0.30059	0.48447
Nitrogen Dioxide	TM1	10	21	24	71	40	518	0.0023	0.01	0.1117	0.0944	0.435	0.6523	0.3461		0.0772	0.0644	0.2293	0.5313	1.0873	0.4232	0.1617	0.5468	0.0146	0.31611	0.50986
Nitrogen Dioxide	TM1	10	22	24	71	50	226	0.0021	0.0091	0.1002	0.0836	0.3906	0.575	0.2947		0.0669	0.0555	0.1983	0.4595	0.958	0.3623	0.1411	0.4673	0.0141	0.18232	0.29407
Nitrogen Dioxide	TM1	10	23	24	72	51	141	0.0021	0.009	0.099	0.0825	0.3855	0.5664	0.2896		0.0658	0.0545	0.1951	0.4519	0.9439	0.3561	0.139	0.4622	0.014	0.1968	0.31742
Nitrogen Dioxide	TM1	10	24	24	72	52	98	0.002	0.0089	0.0981	0.0817	0.3819	0.5602	0.2856		0.065	0.0539	0.1927	0.4463	0.9336	0.3515	0.1374	0.4591	0.0139	0.24374	0.39313
Nitrogen Dioxide	TM1	11	1	21	75	52	61	0.0022	0.0094	0.1007	0.0838	0.3959	0.5842	0.2961		0.0677	0.056	0.1998	0.4627	0.9679	0.3644	0.1424	0.476	0.0153	0.16561	0.26711
Nitrogen Dioxide	TM1	11	2	21	74	53	33	0.0022	0.0094	0.1	0.0832	0.3934	0.5797	0.2935		0.0671	0.0555	0.1979	0.4583	0.9603	0.3608	0.1412	0.4743	0.0153	0.12487	0.2014
Nitrogen Dioxide	TM1	11	3	21	74	53	30	0.0022	0.0094	0.1	0.0832	0.3934	0.5797	0.293		0.0671	0.0555	0.1979	0.4583	0.9603	0.3608	0.1412	0.4743	0.0153	0.13521	0.21808
Nitrogen Dioxide	TM1	11	4	21	74	53	24	0.0022	0.0094	0.1	0.0832	0.3934	0.5797	0.293		0.0671	0.0555	0.1979	0.4583	0.9603	0.3608	0.1412	0.4743	0.0153	0.15972	0.25761
Nitrogen Dioxide	TM1	11	5	21	74	53	24	0.0022	0.0094	0.1	0.0832	0.3934	0.5797	0.293		0.0671	0.0555	0.1979	0.4583	0.9603	0.3608	0.1412	0.4743	0.0153	0.14034	0.22636
Nitrogen Dioxide	TM1	11	6	21	73	53	47	0.0022	0.0095	0.1002	0.0833	0.3946	0.5816	0.2939		0.0673	0.0556	0.1985	0.4596	0.9631	0.3618	0.1416	0.4757	0.0154	0.13405	0.21621
Nitrogen Dioxide	TM1	11	7	21	73	51	113	0.0022	0.0096	0.102	0.085	0.4019	0.5943	0.3019		0.0689	0.057	0.2035	0.4713	0.9843	0.3714	0.1449	0.482	0.0155	0.15765	0.25428
Nitrogen Dioxide	TM1	11	8	21	74	35	331	0.0024	0.0114	0.1233	0.1035	0.4364	0.7425	0.4001		0.0884	0.0747	0.2622	0.6073	1.2292	0.4879	0.1842	0.6307	0.0168	0.17637	0.28447
Nitrogen Dioxide	TM1	11	9	22	66	28	1367	0.0029	0.0124	0.1383	0.1201	0.5431	0.8426	0.4721		0.1019	0.0896	0.3027	0.7015	1.395	0.5734	0.2121	0.7417	0.0173	0.44422	0.71649
Nitrogen Dioxide	TM1	11	10	23	61	27	1643	0.003	0.0127	0.1411	0.1228	0.5545	0.8621	0.4866		0.1045	0.0922	0.3109	0.7204	1.4285	0.5908	0.2177	0.7642	0.0174	0.47246	0.76203
Nitrogen Dioxide	TM1	11	11	25	57	35	1561	0.0026	0.0113	0.1225	0.1042	0.4815	0.7322	0.3961		0.0874	0.0734	0.2595	0.6012	1.2169	0.483	0.1823	0.6244	0.0161	0.35231	0.56825
Nitrogen Dioxide	TM1	11	12	25	56	41	1464	0.0024	0.0106	0.1135	0.0958	0.4476	0.672	0.354		0.0793	0.066	0.235	0.5444	1.1164	0.433	0.1658	0.5594	0.0152	0.33146	0.50742
Nitrogen Dioxide	TM1	11	13	25	56	42	1353	0.0024	0.0105	0.1122	0.0945	0.4424	0.6629	0.3478		0.078	0.065	0.2313	0.5359	1.1012	0.4257	0.1634	0.5495	0.0156	0.30475	0.51256
Nitrogen Dioxide	TM1	11	14	26	56	44	1281	0.0023	0.0101	0.1087	0.0913	0.4268	0.6363	0.3318		0.0747	0.0621	0.2215	0.513	1.0582	0.4066	0.1566	0.525	0.0151	0.30021	0.48421
Nitrogen Dioxide	TM1	11	15	26	57	41	1501	0.0024	0.0104	0.1122	0.0946	0.4398	0.6594	0.3479		0.0778	0.0648	0.2309	0.535	1.0971	0.4255	0.1629	0.5498	0.0152	0.31473	0.50764
Nitrogen Dioxide	TM1	11	16	25	58	41	1480	0.0024	0.0105	0.1129	0.0953	0.4442	0.6666	0.3513		0.0786	0.0655	0.2333	0.5404	1.1081	0.4298	0.1646	0.5553	0.0155	0.3197	0.51564
Nitrogen Dioxide	TM1	11	17	24	63	34	1486	0.0026	0.0112	0.1235	0.1053	0.4844	0.7378	0.4014		0.0885	0.0744	0.2623	0.6077	1.2271	0.4892	0.1842	0.6325	0.0159	0.36226	0.5843
Nitrogen Dioxide	TM1	11	18	23	66	29	1437	0.0028	0.012	0.1346	0.1166	0.5268	0.8132	0.4537		0.0982	0.0862	0.292	0.6765	1.3492	0.5514	0.2046	0.7131	0.0167	0.39662	0.6397
Nitrogen Dioxide	TM1	11	19	23	69	31	1338	0.0027	0.0115	0.1285	0.1102	0.5019	0.7704	0.4259		0.0928	0.0797	0.2759	0.6392	1.2811	0.5182	0.1955	0.67	0.0166	0.35401	0.57088
Nitrogen Dioxide	TM1	11	20	22	70	40	612	0.0024	0.0105	0.1143	0.0966	0.4498	0.6776	0.3579		0.08	0.0667	0.2371	0.5494	1.1242	0.4376	0.1672	0.5654	0.0158	0.16358	0.26384
Nitrogen Dioxide	TM1	11	21	22	72	40	518	0.0024	0.0104	0.1138	0.0962	0.447	0.6731	0.3557		0.0795	0.0663	0.2357	0.546	1.1173	0.4349	0.1661	0.5619	0.0156	0.16546	0.26686
Nitrogen Dioxide	TM1	11	22	22	74	50	226	0.0022	0.0094	0.1017	0.0848	0.3988	0.5893	0.301		0.0685	0.0567	0.2026	0.4692	0.9784	0.37	0.1441	0.477	0.0149	0.18616	0.30025
Nitrogen Dioxide	TM1	11	23	22	74	51	141	0.0021	0.0093	0.1007	0.084	0.3951	0.5827	0.2968		0.0676	0.056	0.2	0.4632	0.9674	0.365	0.1424	0.4737	0.0149	0.20161	0.32518
Nitrogen Dioxide	TM1	11	24	21	74	52	98	0.0022	0.0095	0.1009	0.084	0.397	0.586	0.297		0.0679	0.0562	0.2004	0.464	0.9707	0.3654	0.1428	0.4774	0.0154	0.25336	0.40865
Nitrogen Dioxide	TM1	12	1	21	68	52	61	0.0026	0.0113	0.1164	0.0882	0.4258	0.6354	0.3185		0.0732	0.0606	0.215	0.4976	1.041	0.3919	0.1532	0.5119	0.0182	0.17804	0.28717
Nitrogen Dioxide	TM1	12	2	16	69	53	33	0.0026	0.0112	0.1053	0.0873	0.4211	0.6273	0.3136		0.0722	0.0597	0.2119	0.4905	1.0278	0.3861	0.1511	0.5077	0.0181	0.13357	0.21543
Nitrogen Dioxide	TM1	12	3	16	69	53	30	0.0026	0.0112	0.1053	0.0873	0.4211	0.6273	0.3136		0.0722	0.0597	0.2119	0.4905	1.0278	0.3861	0.1511	0.5077	0.0181	0.14463	0.23327
Nitrogen Dioxide	TM1	12	4	15	70	53	24	0.0026	0.0115	0.1059	0.0877	0.424	0.6326	0.3158		0.0728	0.0602	0.2134	0.4939	1.0348	0.3888	0.1522	0.5111	0.0185	0.17196	0.27736
Nitrogen Dioxide	TM1	12	5	15	70	53	24	0.0026	0.0115	0.1059	0.0877	0.424	0.6326	0.3158		0.0728	0.0602	0.2134	0.4939	1.0348	0.3888	0.1522	0.5111	0.0185	0.15123	0.24392
Nitrogen Dioxide	TM1	12	6	15	70	53	47	0.0026	0.0115	0.1059	0.0877	0.4242	0.6326	0.3158		0.0728	0.0602	0.2134	0.4939	1.0348	0.3888	0.1522	0.5111	0.0185	0.14375	0.23185
Nitrogen Dioxide	TM1	12	7	15	70	51	113	0.0027	0.0117	0.1078	0.0894	0.4319	0.6465	0.3244		0.0745	0.0617	0.2188	0.5064	1.0576	0.399	0.1557	0.5179	0.0186	0.16952	0.27342
Nitrogen Dioxide	TM1	12	8	15	69	35	331	0.0031	0.0138	0.1296	0.11	0.5191	0.802	0.427		0.095	0.0798	0.2799	0.6482	1.3119	0.5207	0.1966	0.6731	0.0198	0.18897	0.3048
Nitrogen Dioxide	TM1	12	9	16	65	28	1367	0.0034	0.0147	0.1452	0.1259	0.5798	0.9105	0.5039		0.1094	0.0962	0.3233	0.7488	1.4892	0.6121	0.2264	0.7918	0.0205	0.47646	0.76849
Nitrogen Dioxide	TM1	12	10	17	62	27	1643	0.0034	0.0146	0.1475	0.1283	0.5887	0.9261	0.5166		0.1116	0.0983	0.3302	0.7649	1.5167	0.6272	0.2312	0.8114	0.0204	0.50395	0.81283
Nitrogen Dioxide	TM1	12	11	18	58	35	1561	0.003	0.013	0.129	0.1098	0.5174	0.7964	0.4257		0.0945	0.0794	0.279	0.6461	1.3077	0.519	0.1959	0.6705	0.0192	0.38018	0.6132
Nitrogen Dioxide	TM1	12	12	19	57	41	1464	0.0027	0.0119	0.1187	0.1001	0.4761	0.7221	0.3766		0.0848	0.0706	0.2501	0.5791	1.1876	0.4606	0.1764	0.5952	0.0183	0.33584	0.54167
Nitrogen Dioxide	TM1	12	13	19	56	42	1353	0.0027	0.0118	0.1175	0.0989	0.4717	0.7141	0.3709		0.0837	0.0696	0.2468	0.5715	1.1743	0.454	0.1742	0.5864	0.0183	0.33485	0.54008
Nitrogen Dioxide	TM1	12	14	19	56	44	1281	0.0026	0.0116	0.1149	0.0965	0.4612	0.6956	0.3586		0.0812	0.0675	0.2395	0.5544	1.1437	0.4394	0.1693	0.5674	0.0181	0.3257	0.52533
Nitrogen Dioxide	TM1	12	15	19	56	41	1501	0.0027	0.0119	0.1189	0.1003	0.4773	0.724	0.3775		0.085	0.0708	0.2507	0.5805	1.1904	0.4617	0.1768	0.5966	0.0183	0.34283	0.55296
Nitrogen Dioxide	TM1	12	16	19	57	41	1480	0.0027	0.0119	0.1187	0.1001	0.4761	0.7221	0.3766		0.0848	0.0706	0.2501	0.5791	1.1876	0.4606	0.1764	0.5952	0.0183	0.34392	0.55471
Nitrogen Dioxide	TM1	12	17	18	60	34	1486	0.003	0.0131	0.1305	0.1112	0.5225	0.8058	0.433		0.0958	0.0807	0.2831	0.6555	1.3236	0.5277	0.1987	0.6821	0.0192	0.39245	0.63299
Nitrogen Dioxide	TM1	12	18	18	64	29	1437	0.0032	0.0138	0.1385	0.1202	0.5611	0.8754	0.4832		0.1051	0.0922	0.3111	0.7205	1.4237	0.5853	0.2131	0.7395	0.0195	0.42594	0.68695
Nitrogen Dioxide	TM1	12	19	17	65	31	1338	0.0032	0.0138	0.1365	0.117	0.5455	0.8487	0.4629		0.1015	0.0861	0.3	0.6948	1.3924	0.5633	0.2103	0.7283	0.0196	0.38644	0.6233
Nitrogen Dioxide	TM1	12	20	17	66	40	612	0.0028	0.0123	0.1201	0.1013	0.4809	0.7324	0.3826		0.086	0.0718	0.2537	0.5873	1.202	0.4678	0.1787	0.6045	0.0186	0.17496	0.2822
Nitrogen Dioxide	TM1	12	21	17	66	40	518	0.0028	0.0123	0.1201	0.1013	0.4809	0.7324	0.3826		0.086	0.0718	0.2537	0.5873	1.202	0.4678	0.1787	0.6045	0.0186	0.17792	0.28697
Nitrogen Dioxide	TM1	12	22	16	66	50	226	0.0026	0.0116	0.1086	0.0903	0.4356	0.6523	0.3287		0.0754	0.0624	0.2214	0.5124	1.0685	0.404	0.1574	0.5209	0.0184	0.20333	0.32795
Nitrogen Dioxide	TM1	12	23	16	66	51	141	0.0026	0.0115	0.1076	0.0894	0.4314	0.6451	0.3241		0.0744	0.0616	0.2186	0.5059	1.0566	0.3986	0.1553	0.5174	0.0184	0.2201	0.35498
Nitrogen Dioxide	TM1	12	24	16	67	52	98	0.0026	0.0114	0.1065	0.0884	0.4266	0.6367	0.3191		0.0734	0.0607	0.2154	0.4986	1.043	0.3927	0.1534	0.5129	0.0183	0.27218	0.43901
Nitrogen Dioxide	TM2	1	1	17	76	18	13	0.0039	0.0168	0.1768	0.1563	0.6953	1.1294	0.6824		0.14	0.1234	0.4173	0.9671	1.8557	0.8235	0.2924	1.0744	0.0209	0.1756	0.28323
Nitrogen Dioxide	TM2	1	2	17	77	18	7	0.0039	0.0167	0.1765	0.1561	0.6938	1.1268	0.6809		0.1397	0.1232	0.4164	0.9651	1.8518	0.8217	0.2918	1.0722	0.0208	0.15069	0.24304
Nitrogen Dioxide	TM2	1	3	17	77	18	6	0.0039	0.0167	0.1765	0.1561	0.6938	1.1268	0.6809		0.1397	0.1232	0.4164	0.9651	1.8518	0.8217	0.2918	1.0722	0.0208	0.17515	0.2825
Nitrogen Dioxide	TM2	1	4	17	77	18	3	0.0039	0.0167	0.1765	0.1561	0.6938	1.1268	0.6809		0.1397	0.1232	0.4164	0.9651	1.8518	0.8217	0.2918	1.0722	0.0208	0.0657	0.10597
Nitrogen Dioxide	TM2	1	5	17	78	18	3	0.0039	0.0162	0.1758	0.1558	0.6923	1.1243	0.6795		0.1394	0.1229	0.4155	0.963	1.8478	0.82	0.2912	1.0699	0.0208	0.06557	0.10575
Nitrogen Dioxide	TM2	1	6	17	77	18	3	0.0039	0.0167	0.1765	0.1561	0.6938	1.1268	0.6809		0.1397	0.1232	0.4164	0.9651	1.8518	0.8217	0.2918	1.0722	0.0208	0.0657	0.10597
Nitrogen Dioxide	TM2	1	7	16	77	18	15	0.0041	0.0173	0.1779	0.1573	0.7011	1.1411	0.6881		0.1413	0.1246	0.4208	0.9753	1.8713	0.8304	0.2949	1.0835	0.0214	0.49845	0.80395
Nitrogen Dioxide	TM2	1	8	17	77	18	32	0.0039	0.0167	0.1765	0.1561	0.6938	1.1268	0.6809		0.1397	0.1232	0.4164	0.9651	1.8518	0.8217	0.2918	1.0722	0.0208	0.48219	0.77773
Nitrogen Dioxide	TM2	1	9	17	73	17	483	0.0041	0.0174	0.1827	0.1618	0.7191	1.1746	0.7174		0.1462	0.1284	0.4358	1.0102	1.9294	0.865	0.3056	1.1315	0.0214	0.75139	1.21193
Nitrogen Dioxide	TM2	1	10	17	73	17	499	0.0039	0.0166	0.1809	0.1603	0.7114	1.1565	0.7087		0.1442	0.1267	0.4303	0.998	1.9081	0.8545	0.3019	1.1178	0.0206	0.74381	1.19969
Nitrogen Dioxide	TM2	1	11	20	64	17	425	0.0039	0.0164	0.1811	0.1605	0.7116	1.1572	0.7099		0.1444	0.1269	0.4312	0.9996	1.9092	0.8559	0.3024	1.1196	0.0204	0.72212	1.1647
Nitrogen Dioxide	TM2	1	12	21	62	17	385	0.0038	0.0162	0.1803	0.1599	0.7076	1.1488	0.7059		0.1435	0.1261	0.4288	0.994	1.8985	0.8511	0.3007	1.1133	0.0203	0.72557	1.17028
Nitrogen Dioxide	TM2	1	13	21	61	17	341	0.0038	0.0163	0.1807	0.1602	0.7096	1.1523	0.7078		0.1439	0.1264	0.43	0.9968	1.9038	0.8535	0.3015	1.1165	0.0202	0.71343	1.15069
Nitrogen Dioxide	TM2	1	14	21	62	17	347	0.0038	0.0162	0.1803	0.1599	0.7076	1.1488	0.7059		0.1435	0.1261	0.4288	0.994	1.8985	0.8511	0.3007	1.1133	0.0201	0.73435	1.18443
Nitrogen Dioxide	TM2	1	15	21	62	17	408	0.0038	0.0162	0.1803	0.1599	0.7076	1.1488	0.7059		0.1435	0.1261	0.4288	0.994	1.8985	0.8511	0.3007	1.1133	0.0201	0.72958	1.17674
Nitrogen Dioxide	TM2	1	16	21	63	17	392	0.0038	0.0161	0.18	0.1595	0.7056	1.1453	0.7039		0.1431	0.1257	0.4276	0.9917	1.8932	0.8487	0.2998	1.1102	0.02	0.72539	1.16998
Nitrogen Dioxide	TM2	1	17	20	67	17	410	0.0038	0.0162	0.1801	0.1596	0.706	1.1474	0.7043		0.1432	0.1258	0.4278	0.9918	1.8943	0.8492	0.3	1.1109	0.0202	0.73045	1.17815
Nitrogen Dioxide	TM2	1	18	19	72	17	408	0.0039	0.0164	0.18	0.1595	0.7052	1.1473	0.7035		0.1431	0.1257	0.4274	0.9906	1.8921	0.8482	0.2997	1.1096	0.0203	0.72748	1.17336
Nitrogen Dioxide	TM2	1	19	18	74	17	431	0.004	0.0168	0.1809	0.1603	0.7099	1.1569	0.7082		0.1442	0.1267	0.4302	0.9973	1.9047	0.8539	0.3017	1.117	0.0207	0.72889	1.17562
Nitrogen Dioxide	TM2	1	20	18	74	18	29	0.0038	0.0163	0.1758	0.1556	0.6908	1.1201	0.6779		0.139	0.1235	0.4145	0.9608	1.8437	0.8181	0.2905	1.0674	0.0205	0.20057	0.3235
Nitrogen Dioxide	TM2	1	21	18	75	18	24	0.0038	0.0162	0.1756	0.1553	0.6892	1.1173	0.6764		0.1387	0.1222	0.4136	0.9586	1.8394	0.8163	0.2899	1.065	0.0204	0.24001	0.38711
Nitrogen Dioxide	TM2	1	22	18	76	18	19	0.0038	0.0162	0.1753	0.1555	0.6876	1.1146	0.6748		0.1384	0.1222	0.4126	0.9564	1.8352	0.8144	0.2892	1.0626	0.0203	0.25715	0.41476
Nitrogen Dioxide	TM2	1	23	18	75	18	17	0.0038	0.0162	0.1756	0.1553	0.6892	1.1173	0.6764		0.1387	0.1222	0.4136	0.9586	1.8394	0.8163	0.2899	1.065	0.0204	0.18254	0.29441
Nitrogen Dioxide	TM2	1	24	17	76	18	13	0.0039	0.0168	0.1768	0.1563	0.6953	1.1294	0.6824		0.14	0.1234	0.4173

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:

(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.

(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Dioxide	TM2	4	11	23	68	17	425	0.0036	0.0151	0.1748	0.1549	0.6773	1.0931	0.6757		0.137	0.1205	0.4103	0.9515	1.8173	0.8147	0.2878	1.0657	0.0182	0.68625	1.10685
Nitrogen Dioxide	TM2	4	12	24	66	17	385	0.0035	0.0149	0.1739	0.154	0.6721	1.0829	0.6705		0.1359	0.1195	0.4072	0.9442	1.8033	0.8084	0.2856	1.0573	0.0178	0.68111	1.10985
Nitrogen Dioxide	TM2	4	13	24	65	17	341	0.0036	0.015	0.1743	0.1544	0.6745	1.0871	0.6729		0.1364	0.1199	0.4086	0.9475	1.8097	0.8113	0.2866	1.0613	0.018	0.67736	1.09251
Nitrogen Dioxide	TM2	4	14	24	66	17	347	0.0035	0.0149	0.1739	0.154	0.6721	1.0829	0.6705		0.1359	0.1195	0.4072	0.9442	1.8033	0.8084	0.2856	1.0573	0.0178	0.69622	1.12294
Nitrogen Dioxide	TM2	4	15	24	66	17	408	0.0035	0.0149	0.1739	0.154	0.6721	1.0829	0.6705		0.1359	0.1195	0.4072	0.9442	1.8033	0.8084	0.2856	1.0573	0.0178	0.69175	1.11573
Nitrogen Dioxide	TM2	4	16	24	67	17	392	0.0035	0.0149	0.1735	0.1536	0.6697	1.0787	0.6681		0.1354	0.119	0.4057	0.9408	1.7969	0.8055	0.2846	1.0538	0.0177	0.68739	1.10869
Nitrogen Dioxide	TM2	4	17	23	69	17	410	0.0036	0.015	0.1744	0.1545	0.6751	1.0892	0.6734		0.1365	0.12	0.409	0.9483	1.8112	0.812	0.2869	1.0622	0.0181	0.69731	1.12469
Nitrogen Dioxide	TM2	4	18	22	74	17	408	0.0035	0.015	0.1743	0.1544	0.6741	1.0887	0.6725		0.1364	0.1199	0.4084	0.947	1.8087	0.8109	0.2865	1.0607	0.0182	0.69421	1.11969
Nitrogen Dioxide	TM2	4	19	22	76	17	431	0.0035	0.0148	0.1735	0.1537	0.6699	1.0813	0.6683		0.1355	0.1191	0.4059	0.9411	1.7974	0.8058	0.2847	1.0541	0.018	0.68628	1.10691
Nitrogen Dioxide	TM2	4	20	21	79	18	29	0.0034	0.0146	0.1694	0.1498	0.6558	1.055	0.6436		0.1315	0.116	0.3935	0.9122	1.7504	0.7767	0.2758	1.0134	0.0182	0.19855	0.30726
Nitrogen Dioxide	TM2	4	21	21	80	18	24	0.0034	0.0145	0.169	0.1495	0.6539	1.0516	0.6417		0.1311	0.1157	0.3923	0.9095	1.7452	0.7744	0.275	1.0105	0.0181	0.2279	0.36759
Nitrogen Dioxide	TM2	4	22	21	81	18	19	0.0034	0.0144	0.1687	0.1492	0.652	1.0483	0.6399		0.1307	0.1153	0.3911	0.9069	1.7401	0.7722	0.2742	1.0075	0.018	0.24401	0.39356
Nitrogen Dioxide	TM2	4	23	21	82	18	17	0.0034	0.0144	0.1683	0.1489	0.65	1.0449	0.638		0.1303	0.115	0.39	0.9042	1.735	0.7699	0.2734	1.0045	0.0179	0.17293	0.27892
Nitrogen Dioxide	TM2	4	24	20	82	18	13	0.0035	0.0147	0.1701	0.1505	0.66	1.0634	0.6477		0.1325	0.1168	0.396	0.918	1.7614	0.7816	0.2776	1.0198	0.0186	0.16642	0.26842
Nitrogen Dioxide	TM2	5	1	26	91	18	13	0.0027	0.0113	0.1533	0.1353	0.5675	0.8978	0.557		0.113	0.0999	0.3403	0.7894	1.5147	0.6721	0.2387	0.877	0.0133	0.14607	0.2356
Nitrogen Dioxide	TM2	5	2	25	92	18	7	0.0028	0.0117	0.1555	0.1373	0.5795	0.9188	0.5688		0.1155	0.102	0.3475	0.8061	1.5467	0.6864	0.2437	0.8955	0.0139	0.12749	0.20562
Nitrogen Dioxide	TM2	5	3	25	92	18	6	0.0028	0.0117	0.1555	0.1373	0.5795	0.9188	0.5688		0.1155	0.102	0.3475	0.8061	1.5467	0.6864	0.2437	0.8955	0.0139	0.14827	0.23914
Nitrogen Dioxide	TM2	5	4	25	91	18	3	0.0028	0.0118	0.1559	0.1377	0.582	0.9231	0.5712		0.116	0.1025	0.349	0.8095	1.5533	0.6893	0.2448	0.8994	0.0141	0.05683	0.09167
Nitrogen Dioxide	TM2	5	5	25	92	18	3	0.0028	0.0117	0.1555	0.1373	0.5795	0.9188	0.5688		0.1155	0.102	0.3475	0.8061	1.5467	0.6864	0.2437	0.8955	0.0139	0.05667	0.0914
Nitrogen Dioxide	TM2	5	6	25	93	18	3	0.0028	0.0116	0.155	0.1369	0.577	0.9144	0.5663		0.115	0.1016	0.346	0.8026	1.5401	0.6834	0.2427	0.8917	0.0138	0.05647	0.09108
Nitrogen Dioxide	TM2	5	7	25	93	18	15	0.0027	0.0113	0.1533	0.1353	0.5675	0.8978	0.557		0.113	0.0999	0.3403	0.7894	1.5147	0.6721	0.2387	0.877	0.0133	0.14657	0.23637
Nitrogen Dioxide	TM2	5	8	27	85	18	32	0.0027	0.0115	0.1537	0.1356	0.5691	0.9006	0.5585		0.1133	0.1001	0.3412	0.7916	1.5189	0.674	0.2394	0.8794	0.0134	0.39513	0.63731
Nitrogen Dioxide	TM2	5	9	28	80	17	483	0.0028	0.0119	0.1581	0.1396	0.5848	0.93	0.5834		0.1175	0.1035	0.3541	0.8215	1.569	0.7034	0.2485	0.9201	0.0136	0.60783	0.98036
Nitrogen Dioxide	TM2	5	10	28	78	17	499	0.0029	0.0122	0.1593	0.1406	0.5909	0.9407	0.5895		0.1188	0.1046	0.3578	0.8301	1.5855	0.7108	0.2511	0.9298	0.0139	0.61587	0.99334
Nitrogen Dioxide	TM2	5	11	29	77	17	425	0.0028	0.0119	0.1572	0.1387	0.5793	0.9204	0.5779		0.1163	0.1025	0.3508	0.8138	1.5544	0.6968	0.2462	0.9115	0.0133	0.5851	0.94371
Nitrogen Dioxide	TM2	5	12	29	75	17	385	0.0029	0.0121	0.1584	0.1398	0.5858	0.9318	0.5844		0.1177	0.1037	0.3547	0.823	1.5718	0.7047	0.249	0.9218	0.0136	0.59824	0.9649
Nitrogen Dioxide	TM2	5	13	29	74	17	341	0.0029	0.0121	0.1584	0.1398	0.5858	0.9318	0.5844		0.1177	0.1037	0.3547	0.823	1.5718	0.7047	0.249	0.9218	0.0136	0.59221	0.95507
Nitrogen Dioxide	TM2	5	14	29	75	17	347	0.0029	0.0121	0.1584	0.1398	0.5858	0.9318	0.5844		0.1177	0.1037	0.3547	0.823	1.5718	0.7047	0.249	0.9218	0.0136	0.60499	0.97579
Nitrogen Dioxide	TM2	5	15	29	75	17	408	0.0029	0.0121	0.1584	0.1398	0.5858	0.9318	0.5844		0.1177	0.1037	0.3547	0.823	1.5718	0.7047	0.249	0.9218	0.0136	0.60117	0.96963
Nitrogen Dioxide	TM2	5	16	29	77	17	392	0.0028	0.0119	0.1572	0.1387	0.5793	0.9204	0.5779		0.1163	0.1025	0.3508	0.8138	1.5544	0.6968	0.2462	0.9115	0.0133	0.59296	0.95639
Nitrogen Dioxide	TM2	5	17	28	78	17	410	0.0029	0.0122	0.1593	0.1406	0.5909	0.9407	0.5895		0.1188	0.1046	0.3578	0.8301	1.5855	0.7108	0.2511	0.9298	0.0139	0.60869	0.98176
Nitrogen Dioxide	TM2	5	18	28	81	18	408	0.0028	0.0118	0.1576	0.1391	0.5817	0.9246	0.5803		0.1168	0.1031	0.3522	0.8172	1.5608	0.6997	0.2472	0.9153	0.0134	0.59685	0.96266
Nitrogen Dioxide	TM2	5	19	27	84	17	431	0.0028	0.0119	0.1586	0.1401	0.5878	0.9352	0.5863		0.1181	0.1041	0.3559	0.8257	1.577	0.707	0.2498	0.9248	0.0137	0.60015	0.96799
Nitrogen Dioxide	TM2	5	20	27	87	17	29	0.0027	0.0113	0.1526	0.1346	0.5635	0.8908	0.553		0.1121	0.0991	0.3378	0.7838	1.5039	0.6674	0.237	0.8708	0.0131	0.1645	0.26532
Nitrogen Dioxide	TM2	5	21	27	88	18	24	0.0027	0.0111	0.1521	0.1342	0.5607	0.8859	0.5503		0.1115	0.0986	0.3362	0.7799	1.4965	0.6641	0.2358	0.8664	0.013	0.19657	0.31705
Nitrogen Dioxide	TM2	5	22	26	89	18	19	0.0027	0.0115	0.1543	0.1362	0.5728	0.907	0.5622		0.1141	0.1008	0.3434	0.7967	1.5288	0.6784	0.2409	0.8851	0.0136	0.21524	0.34716
Nitrogen Dioxide	TM2	5	23	26	89	18	17	0.0027	0.0115	0.1543	0.1362	0.5728	0.907	0.5622		0.1141	0.1008	0.3434	0.7967	1.5288	0.6784	0.2409	0.8851	0.0136	0.15414	0.24861
Nitrogen Dioxide	TM2	5	24	26	91	18	13	0.0027	0.0114	0.1538	0.1357	0.5702	0.9024	0.5596		0.1135	0.1003	0.3419	0.7931	1.5217	0.6753	0.2398	0.8811	0.0135	0.14601	0.23555
Nitrogen Dioxide	TM2	6	1	28	88	18	13	0.0025	0.0107	0.1493	0.1316	0.5452	0.8589	0.535		0.1083	0.0958	0.3268	0.7583	1.455	0.6457	0.2293	0.8424	0.0122	0.14099	0.22741
Nitrogen Dioxide	TM2	6	2	27	89	18	7	0.0026	0.011	0.1516	0.1337	0.5579	0.881	0.5475		0.111	0.0981	0.3345	0.776	1.489	0.6607	0.2346	0.8621	0.0129	0.12314	0.19862
Nitrogen Dioxide	TM2	6	3	27	89	18	6	0.0026	0.011	0.1516	0.1337	0.5579	0.881	0.5475		0.111	0.0981	0.3345	0.776	1.489	0.6607	0.2346	0.8621	0.0129	0.14323	0.23102
Nitrogen Dioxide	TM2	6	4	27	88	18	3	0.0027	0.0111	0.1521	0.1342	0.5607	0.8859	0.5503		0.1115	0.0986	0.3362	0.7799	1.4965	0.6641	0.2358	0.8664	0.013	0.0533	0.08919
Nitrogen Dioxide	TM2	6	5	27	89	18	3	0.0026	0.011	0.1516	0.1337	0.5579	0.881	0.5475		0.111	0.0981	0.3345	0.776	1.489	0.6607	0.2346	0.8621	0.0129	0.05507	0.08882
Nitrogen Dioxide	TM2	6	6	27	88	18	3	0.0026	0.0109	0.1511	0.1332	0.5553	0.8761	0.5448		0.1104	0.0976	0.3328	0.7721	1.4815	0.6574	0.2335	0.8574	0.0127	0.05487	0.08849
Nitrogen Dioxide	TM2	6	7	28	87	18	15	0.0026	0.0108	0.1499	0.1321	0.5481	0.8641	0.538		0.1089	0.0963	0.3286	0.7624	1.463	0.6492	0.2305	0.847	0.0124	0.38699	0.62418
Nitrogen Dioxide	TM2	6	8	29	82	18	32	0.0026	0.0109	0.1499	0.1321	0.5479	0.8636	0.5377		0.1089	0.0963	0.3284	0.7621	1.4622	0.6489	0.2304	0.8466	0.0124	0.38047	0.61365
Nitrogen Dioxide	TM2	6	9	29	79	17	483	0.0028	0.0116	0.156	0.1377	0.5728	0.909	0.5714		0.115	0.1013	0.3468	0.8047	1.5369	0.689	0.2434	0.9013	0.013	0.59509	0.95983
Nitrogen Dioxide	TM2	6	10	30	76	17	499	0.0028	0.0116	0.155	0.1368	0.5674	0.8995	0.566		0.1138	0.1004	0.3435	0.797	1.5223	0.6825	0.2411	0.8927	0.0127	0.59084	0.95297
Nitrogen Dioxide	TM2	6	11	30	75	17	425	0.0028	0.0117	0.1557	0.1373	0.5708	0.9055	0.5694		0.1144	0.101	0.3456	0.8019	1.5316	0.6866	0.2426	0.8982	0.0129	0.57633	0.92957
Nitrogen Dioxide	TM2	6	12	30	74	17	385	0.0028	0.0119	0.1563	0.1379	0.5743	0.9116	0.5729		0.1153	0.1016	0.3477	0.8068	1.5409	0.6908	0.244	0.9036	0.013	0.58624	0.94554
Nitrogen Dioxide	TM2	6	13	31	73	17	341	0.0028	0.0116	0.1542	0.1359	0.5624	0.8908	0.5611		0.1128	0.0995	0.3405	0.7901	1.509	0.6765	0.239	0.885	0.0125	0.56322	0.90842
Nitrogen Dioxide	TM2	6	14	31	72	17	347	0.0028	0.0117	0.1549	0.1365	0.5661	0.8972	0.5647		0.1136	0.1002	0.3427	0.7952	1.5189	0.6809	0.2406	0.8907	0.0126	0.58411	0.94212
Nitrogen Dioxide	TM2	6	15	30	74	17	408	0.0028	0.0119	0.1563	0.1379	0.5743	0.9116	0.5729		0.1153	0.1016	0.3477	0.8068	1.5409	0.6908	0.244	0.9036	0.013	0.58907	0.95011
Nitrogen Dioxide	TM2	6	16	30	74	17	392	0.0028	0.0119	0.1563	0.1379	0.5743	0.9116	0.5729		0.1153	0.1016	0.3477	0.8068	1.5409	0.6908	0.244	0.9036	0.013	0.58773	0.94794
Nitrogen Dioxide	TM2	6	17	30	75	17	410	0.0028	0.0117	0.1557	0.1373	0.5708	0.9055	0.5694		0.1146	0.101	0.3456	0.8019	1.5316	0.6866	0.2426	0.8982	0.0129	0.58732	0.94762
Nitrogen Dioxide	TM2	6	18	29	79	17	408	0.0028	0.0116	0.156	0.1377	0.5728	0.909	0.5714		0.115	0.1013	0.3468	0.8047	1.5369	0.689	0.2434	0.9013	0.013	0.5875	0.94757
Nitrogen Dioxide	TM2	6	19	29	81	17	431	0.0027	0.0114	0.1548	0.1366	0.5663	0.8976	0.5649		0.1136	0.1002	0.3428	0.7955	1.5194	0.6812	0.2406	0.891	0.0126	0.57776	0.93187
Nitrogen Dioxide	TM2	6	20	28	83	18	29	0.0027	0.0113	0.1521	0.1341	0.5601	0.8849	0.5497		0.1114	0.0985	0.3358	0.779	1.4949	0.6633	0.2356	0.8655	0.013	0.1636	0.26387
Nitrogen Dioxide	TM2	6	21	28	85	18	24	0.0026	0.011	0.151	0.1331	0.5541	0.8745	0.5438		0.1102	0.0974	0.3322	0.7707	1.4789	0.6563	0.2331	0.8563	0.0127	0.19436	0.31349
Nitrogen Dioxide	TM2	6	22	28	86	18	19	0.0026	0.0109	0.1504	0.1326	0.5511	0.8693	0.5409		0.1095	0.0969	0.3304	0.7666	1.471	0.6527	0.2318	0.8517	0.0125	0.20745	0.3346
Nitrogen Dioxide	TM2	6	23	28	87	18	17	0.0026	0.0108	0.1499	0.1321	0.5481	0.8641	0.538		0.1089	0.0963	0.3286	0.7624	1.463	0.6492	0.2305	0.847	0.0124	0.23902	0.38519
Nitrogen Dioxide	TM2	6	24	28	87	18	13	0.0026	0.0108	0.1499	0.1321	0.5481	0.8641	0.538		0.1089	0.0963	0.3286	0.7624	1.463	0.6492	0.2305	0.847	0.0124	0.14107	0.22753
Nitrogen Dioxide	TM2	7	1	28	84	18	13	0.0027	0.0111	0.1515	0.1336	0.5571	0.8797	0.5467		0.1108	0.098	0.334	0.7749	1.4869	0.6598	0.2343	0.8609	0.0128	0.14376	0.23187
Nitrogen Dioxide	TM2	7	2	28	84	18	7	0.0027	0.0111	0.1515	0.1336	0.5571	0.8797	0.5467		0.1108	0.098	0.334	0.7749	1.4869	0.6598	0.2343	0.8609	0.0128	0.12306	0.19848
Nitrogen Dioxide	TM2	7	3	28	86	18	6	0.0026	0.0109	0.1504	0.1326	0.5511	0.8693	0.5409		0.1095	0.0969	0.3304	0.7666	1.471	0.6527	0.2318	0.8517	0.0125	0.1417	0.22855
Nitrogen Dioxide	TM2	7	4	28	86	18	3	0.0026	0.0109	0.1504	0.1326	0.5511	0.8693	0.5409		0.1095	0.0969	0.3304	0.7666	1.471	0.6527	0.2318	0.8517	0.0125	0.05463	0.08812
Nitrogen Dioxide	TM2	7	5	28	88	18	3	0.0025	0.0107	0.1493	0.1316	0.5452	0.8589	0.535		0.1083	0.0958	0.3268	0.7583	1.455	0.6457	0.2293	0.8424	0.0122	0.05417	0.08737
Nitrogen Dioxide	TM2	7	6	27	88	18	3	0.0027	0.0111	0.1521	0.1342	0.5607	0.8859	0.5503		0.1115	0.0986	0.3362	0.7799	1.4965	0.6641	0.2358	0.8664	0.013	0.0553	0.08919
Nitrogen Dioxide	TM2	7	7	28	86	18	15	0.0026	0.0109	0.1504	0.1326	0.5511	0.8693	0.5409		0.1095	0.0969	0.3304	0.7666	1.471	0.6527	0.2318	0.8517	0.0125	0.38912	0.62761
Nitrogen Dioxide	TM2	7	8	29	81	18	32	0.0026	0.011	0.1505	0.1326	0.551	0.8691	0.5408		0.1095	0.0969	0.3303	0.7665	1.4707	0.6526	0.2318	0.8515	0.0125	0.38265	0.61717
Nitrogen Dioxide	TM2	7	9	30	76	17	483	0.0028	0.0116	0.155	0.1368	0.5674	0.8995	0.566		0.1138	0.1004	0.3435	0.797	1.5223	0.6825	0.2411	0.8927	0.0127	0.58936	0.95058
Nitrogen Dioxide	TM2	7	10	31	75	17	499	0.0028	0.012	0.1562	0.1378	0.5734	0.9101	0.5721		0.1151	0.1015	0.3472	0.8056	1.5386	0.6897	0.2437	0.9031	0.013	0.9633	0.15972
Nitrogen Dioxide	TM2	7	11	31	68	17	425	0.0029	0.0123	0.1576	0.139	0.5808	0.9229	0.5794		0.1166	0.1028	0.3516	0.8159	1.5582	0.6986	0.2468	0.9138	0.0134	0.58664	0.9462
Nitrogen Dioxide	TM2	7	12	32	67	17	385	0.0029	0.0121	0.1556	0.1371	0.5697	0.9035	0.5683		0.1143	0.1008	0.3449	0.8003	1.5286	0.6853	0.2421	0.8964	0.0128	0.58144	0.93781
Nitrogen Dioxide	TM2	7	13	32	66	17	341	0.0029	0.0122	0.1563	0.1378	0.5736	0.9103	0.5722		0.1151	0.1015	0.3473	0.8058	1.539	0.6899	0.2437	0.9025	0.013	0.57456	0.92671
Nitrogen Dioxide	TM2	7	14	32	66	17	347	0.0029	0.0122	0.1563	0.1378	0.5736	0.9103	0.5722		0.1151	0.1015	0.3473	0.8058	1.539	0.6899	0.2437	0.9025	0.013	0.59206	0.95493
Nitrogen Dioxide	TM2	7	15	31	68	17	408	0.0028	0.0123	0.1576	0.139	0.5808	0.9229	0.5794		0.1166	0.1028	0.3516	0.8159	1.5582	0.6986	0.2468	0.9138	0.0134	0.5959	0.96113
Nitrogen Dioxide	TM2	7	16	31	69	17	392	0.0029	0.0122	0.1569	0.1384	0.5771	0.9165	0.5757		0.1159	0.1022	0.3494	0.8107	1.5484	0.6942	0.2452	0.908	0.0132	0.59066	0.95268
Nitrogen Dioxide	TM2	7	17	31	70	17	410	0.0029	0.012	0.1562	0.1378	0.5734	0.9101	0.572		0.1151	0.1015	0.3472	0.8056	1.5386	0.6897	0.2437	0.9023	0.013	0.59027	0.95205
Nitrogen Dioxide	TM2	7	18	30	73	17	408	0.0029	0.012	0.1569	0.1385	0.5778	0.9176	0.5763		0.116	0.1023	0.3498	0.8116	1.5501	0.6949	0.2455	0.9091	0.0132	0.59266	0.9559
Nitrogen Dioxide	TM2	7	19	29	76	17	431	0.0029	0.012	0.1578	0.1393	0.5826	0.9261	0.5812		0.117	0.1031	0.3527	0.8184	1.5631	0.7007	0.2476	0.9167	0.0135	0.5948	0.95936
Nitrogen Dioxide	TM2	7	20	29	79	18	29	0.0027	0.0113	0.1516	0.1336	0.5574	0.8802	0.547		0.1109	0.098	0.3342	0.7753	1.4876	0.6601	0.2344	0.8613	0.0128	0.16285	0.26266
Nitrogen Dioxide	TM2	7	21	28	83	18	24	0.0026	0.011	0.1505	0.1326	0.5511	0.8691	0.5408		0.1095	0.0969	0.3303	0.7665	1.4707	0.6526	0.2318	0.8515	0.0125	0.19353	0.31186
Nitrogen Dioxide	TM2	7	22	29	82	18	19	0.0026	0.0109	0.1499	0.1321	0.5479	0.8636	0.5377		0.1089	0.0963	0.3284	0.7621	1.4622	0.6489	0.2304	0.8466	0.0124	0.20632	0.33278
Nitrogen Dioxide	TM2	7	23	28	83	18	17	0.0027	0.0113	0.1521	0.1341	0.5601	0.8849	0.5497		0.1114	0.0985	0.3358	0.779	1.4949	0.6633	0.2356	0.8655	0.013	0.15112	0.24375
Nitrogen Dioxide	TM2	7	24	28	84	18	13	0.0027	0.0111	0.1515	0.1336	0.5571	0.8797	0.5467		0.1108	0.098	0.334	0.7749	1.4869	0.6598	0.2343	0.8609	0.0128	0.14312	0.23083
Nitrogen Dioxide	TM2	8	1	27	90	18	13	0.0026	0.0109	0.1511	0.1332	0.5551	0.8761	0.5448		0.1104	0.0976	0.3328	0.7721	1.4815	0.6574	0.2335	0.8577	0.0127	0.14324	0.23103
Nitrogen Dioxide	TM2	8	2	26	90	18	7	0.0027	0.0114	0.1538	0.1357	0.5702	0.9024	0.5596		0.1135	0.1003	0.3419	0.7931	1.5217	0.6753	0.2398	0.8811	0.0135	0.1256	0.20258
Nitrogen Dioxide	TM2	8	3	26	91	18	6	0.0027	0.0113	0.1533	0.1353	0.5675	0.8978	0.557		0.113	0.0999	0.3403	0.7894	1.5147	0.6721	0.2387	0.877	0.0133	0.14547	0.23462
Nitrogen Dioxide	TM2	8	4	26	92	18	3	0.0027	0.0112	0.1528	0.1349	0.5649	0.8932	0.5544		0.1124	0.0994	0.3387	0.7857	1.5076	0.669	0.2376	0.8729	0.0132	0.05557	0.08962
Nitrogen Dioxide	TM2	8	5	26	93	18	3	0.0026	0.0111	0.1524	0.1344	0.5622	0.8886	0.5518		0.1119	0.0989	0.3371	0.782	1.5006	0.6659	0.2365	0.8688	0.0131	0.05537	0.0893
Nitrogen Dioxide	TM

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:

(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.

(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Dioxide	TM2	10	16	27	62	17	392	0.0034	0.0144	0.1702	0.1506	0.6512	1.0464	0.6497		0.1315	0.1156	0.3945	0.9148	1.7473	0.7833	0.2767	1.0247	0.0168	0.66813	1.07763
Nitrogen Dioxide	TM2	10	17	26	65	17	410	0.0034	0.0144	0.1706	0.151	0.6538	1.0508	0.6522		0.132	0.1161	0.396	0.9184	1.7541	0.7864	0.2778	1.0287	0.0169	0.67479	1.08837
Nitrogen Dioxide	TM2	10	18	25	67	17	408	0.0034	0.0145	0.1716	0.1519	0.6593	1.0605	0.6577		0.1332	0.1171	0.3994	0.9262	1.769	0.793	0.2802	1.0374	0.0172	0.6783	1.09402
Nitrogen Dioxide	TM2	10	19	25	69	17	431	0.0034	0.0143	0.1707	0.1511	0.6542	1.0516	0.6526		0.1322	0.1162	0.3963	0.919	1.7553	0.7869	0.2781	1.0294	0.017	0.66953	1.07989
Nitrogen Dioxide	TM2	10	20	25	71	18	29	0.0033	0.0137	0.165	0.1458	0.6316	1.0095	0.6199		0.1264	0.1115	0.3789	0.8786	1.6858	0.7481	0.2657	0.976	0.0165	0.18364	0.29619
Nitrogen Dioxide	TM2	10	21	24	71	18	24	0.0033	0.0141	0.1669	0.1476	0.6423	1.0282	0.6304		0.1286	0.1135	0.3853	0.8935	1.7144	0.7608	0.2702	0.9926	0.0171	0.22389	0.36112
Nitrogen Dioxide	TM2	10	22	24	71	18	19	0.0033	0.0141	0.1669	0.1476	0.6423	1.0282	0.6304		0.1286	0.1135	0.3853	0.8935	1.7144	0.7608	0.2702	0.9926	0.0171	0.24033	0.38762
Nitrogen Dioxide	TM2	10	23	24	72	18	17	0.0033	0.014	0.1665	0.1472	0.64	1.0242	0.6281		0.1281	0.1131	0.3839	0.8902	1.7082	0.758	0.2692	0.989	0.017	0.17048	0.27497
Nitrogen Dioxide	TM2	10	24	24	72	18	13	0.0033	0.014	0.1665	0.1472	0.64	1.0242	0.6281		0.1281	0.1131	0.3839	0.8902	1.7082	0.758	0.2692	0.989	0.017	0.16188	0.26109
Nitrogen Dioxide	TM2	11	1	24	75	18	13	0.0033	0.0148	0.1707	0.1511	0.6635	1.0685	0.6512		0.1332	0.1174	0.3981	0.9229	1.7709	0.7858	0.2791	1.0253	0.0186	0.16807	0.27108
Nitrogen Dioxide	TM2	11	2	21	74	18	7	0.0035	0.0149	0.1711	0.1514	0.6654	1.0718	0.6531		0.1336	0.1178	0.3993	0.9256	1.776	0.7881	0.2799	1.0283	0.0187	0.14476	0.23348
Nitrogen Dioxide	TM2	11	3	21	74	18	6	0.0035	0.0149	0.1711	0.1514	0.6654	1.0718	0.6531		0.1336	0.1178	0.3993	0.9256	1.776	0.7881	0.2799	1.0283	0.0187	0.1683	0.27145
Nitrogen Dioxide	TM2	11	4	21	74	18	3	0.0035	0.0149	0.1711	0.1514	0.6654	1.0718	0.6531		0.1336	0.1178	0.3993	0.9256	1.776	0.7881	0.2799	1.0283	0.0187	0.06317	0.10188
Nitrogen Dioxide	TM2	11	5	21	74	18	3	0.0035	0.0149	0.1711	0.1514	0.6654	1.0718	0.6531		0.1336	0.1178	0.3993	0.9256	1.776	0.7881	0.2799	1.0283	0.0187	0.06317	0.10188
Nitrogen Dioxide	TM2	11	6	21	73	18	3	0.0035	0.015	0.1714	0.1517	0.6674	1.0752	0.655		0.134	0.1181	0.4004	0.9283	1.7812	0.7904	0.2807	1.0313	0.0188	0.0633	0.1021
Nitrogen Dioxide	TM2	11	7	21	73	18	15	0.0035	0.015	0.1714	0.1517	0.6674	1.0752	0.655		0.134	0.1181	0.4004	0.9283	1.7812	0.7904	0.2807	1.0313	0.0188	0.47309	0.76305
Nitrogen Dioxide	TM2	11	8	21	70	18	32	0.0036	0.0152	0.1725	0.1526	0.6731	1.0853	0.6606		0.1352	0.1192	0.4039	0.9363	1.7966	0.7972	0.2831	1.0402	0.0191	0.46742	0.75391
Nitrogen Dioxide	TM2	11	9	22	66	17	483	0.0037	0.0156	0.1773	0.1571	0.691	1.1183	0.6893		0.1399	0.123	0.4187	0.9707	1.854	0.8311	0.2936	1.0872	0.0191	0.72061	1.16228
Nitrogen Dioxide	TM2	11	10	25	61	17	499	0.0037	0.0157	0.1777	0.1575	0.6931	1.1207	0.6914		0.1405	0.1233	0.4199	0.9736	1.8595	0.8336	0.2945	1.0905	0.019	0.72462	1.16874
Nitrogen Dioxide	TM2	11	11	25	57	17	425	0.0037	0.0155	0.1763	0.1561	0.6848	1.1052	0.6831		0.1385	0.1218	0.4149	0.962	1.8374	0.8237	0.291	1.0775	0.0185	0.69372	1.11899
Nitrogen Dioxide	TM2	11	12	25	56	17	385	0.0037	0.0156	0.1767	0.1565	0.6874	1.1096	0.6857		0.1391	0.1222	0.4164	0.9656	1.8442	0.8268	0.2921	1.0815	0.0186	0.70398	1.13546
Nitrogen Dioxide	TM2	11	13	25	56	17	341	0.0037	0.0156	0.1767	0.1565	0.6874	1.1096	0.6857		0.1391	0.1222	0.4164	0.9656	1.8442	0.8268	0.2921	1.0815	0.0186	0.69043	1.1136
Nitrogen Dioxide	TM2	11	14	26	56	17	347	0.0036	0.0153	0.1751	0.155	0.6782	1.0936	0.6766		0.1371	0.1205	0.4109	0.9527	1.8197	0.8158	0.2882	1.0671	0.0182	0.70269	1.13337
Nitrogen Dioxide	TM2	11	15	26	57	17	408	0.0036	0.0152	0.1746	0.1546	0.6755	1.0888	0.6738		0.1366	0.1201	0.4092	0.9489	1.8124	0.8125	0.287	1.0628	0.018	0.69525	1.12137
Nitrogen Dioxide	TM2	11	16	25	58	17	392	0.0036	0.0154	0.1758	0.1557	0.6823	1.1007	0.6806		0.138	0.1213	0.4133	0.9584	1.8306	0.8206	0.2899	1.0735	0.0183	0.70049	1.12982
Nitrogen Dioxide	TM2	11	17	24	63	17	410	0.0036	0.0152	0.1752	0.1552	0.6793	1.0955	0.6776		0.1374	0.1208	0.4115	0.9542	1.8226	0.8171	0.2887	1.0688	0.0182	0.70158	1.13158
Nitrogen Dioxide	TM2	11	18	23	66	17	408	0.0036	0.0153	0.1757	0.1556	0.6818	1.101	0.6801		0.1379	0.1213	0.4131	0.9578	1.8293	0.8201	0.2897	1.0728	0.0183	0.70205	1.13234
Nitrogen Dioxide	TM2	11	19	23	70	17	431	0.0035	0.0149	0.174	0.1541	0.6728	1.0852	0.6712		0.1361	0.1196	0.4076	0.9452	1.8052	0.8093	0.2859	1.0586	0.018	0.68913	1.11151
Nitrogen Dioxide	TM2	11	20	22	70	18	29	0.0035	0.0149	0.1709	0.1512	0.6642	1.0684	0.6518		0.1332	0.1175	0.3985	0.9238	1.7726	0.7866	0.2793	1.0263	0.0185	0.19283	0.31101
Nitrogen Dioxide	TM2	11	21	22	72	18	24	0.0035	0.0147	0.1701	0.1505	0.6601	1.0613	0.6478		0.1324	0.1167	0.396	0.9181	1.7617	0.7818	0.2776	1.02	0.0183	0.22995	0.37089
Nitrogen Dioxide	TM2	11	22	22	74	18	19	0.0034	0.0146	0.1694	0.1498	0.656	1.0541	0.6438		0.1315	0.1161	0.3935	0.9124	1.7507	0.7769	0.2759	1.0137	0.018	0.24536	0.39575
Nitrogen Dioxide	TM2	11	23	22	74	18	17	0.0034	0.0146	0.1694	0.1498	0.656	1.0541	0.6438		0.1315	0.1161	0.3935	0.9124	1.7507	0.7769	0.2759	1.0137	0.018	0.17435	0.28121
Nitrogen Dioxide	TM2	11	24	21	74	18	13	0.0035	0.0149	0.1711	0.1514	0.6654	1.0718	0.6531		0.1336	0.1178	0.3993	0.9256	1.776	0.7881	0.2799	1.0283	0.0187	0.16764	0.27038
Nitrogen Dioxide	TM2	12	1	21	16	68	18	13	0.0042	0.0178	0.1802	0.1593	0.7136	1.1632	0.7003		0.1439	0.1268	0.4283	0.9926	1.9046	0.8452	0.3001	1.1027	0.0221	0.17991	0.29017
Nitrogen Dioxide	TM2	12	2	16	69	18	7	0.0042	0.0178	0.18	0.1591	0.7122	1.1607	0.699		0.1437	0.1266	0.4275	0.9907	1.9009	0.8435	0.2996	1.1006	0.022	0.15453	0.24924
Nitrogen Dioxide	TM2	12	3	16	69	18	6	0.0042	0.0178	0.18	0.1591	0.7122	1.1607	0.699		0.1437	0.1266	0.4275	0.9907	1.9009	0.8435	0.2996	1.1006	0.022	0.17958	0.28965
Nitrogen Dioxide	TM2	12	4	15	70	18	3	0.0043	0.0183	0.1809	0.1599	0.7171	1.1708	0.7038		0.1447	0.1275	0.4304	0.9974	1.9139	0.8493	0.3016	1.1081	0.0224	0.06783	0.10941
Nitrogen Dioxide	TM2	12	5	15	70	18	3	0.0043	0.0183	0.1809	0.1599	0.7171	1.1708	0.7038		0.1447	0.1275	0.4304	0.9974	1.9139	0.8493	0.3016	1.1081	0.0224	0.06783	0.10941
Nitrogen Dioxide	TM2	12	6	15	70	18	3	0.0043	0.0183	0.1809	0.1599	0.7171	1.1708	0.7038		0.1447	0.1275	0.4304	0.9974	1.9139	0.8493	0.3016	1.1081	0.0224	0.06783	0.10941
Nitrogen Dioxide	TM2	12	7	15	70	18	15	0.0043	0.0183	0.1809	0.1599	0.7171	1.1708	0.7038		0.1447	0.1275	0.4304	0.9974	1.9139	0.8493	0.3016	1.1081	0.0224	0.51023	0.82296
Nitrogen Dioxide	TM2	12	8	15	69	18	32	0.0043	0.0183	0.1812	0.1601	0.7184	1.1731	0.705		0.145	0.1278	0.4312	0.9992	1.9174	0.8508	0.3021	1.1101	0.0225	0.49953	0.80569
Nitrogen Dioxide	TM2	12	9	16	65	17	483	0.0044	0.0185	0.1862	0.1648	0.7376	1.209	0.7358		0.1501	0.1319	0.4471	1.0362	1.9791	0.8872	0.3135	1.1606	0.0225	0.77122	1.24391
Nitrogen Dioxide	TM2	12	10	17	62	17	499	0.0043	0.0182	0.1858	0.1645	0.7359	1.2043	0.7341		0.1497	0.1315	0.446	1.0337	1.9743	0.8851	0.3127	1.1578	0.0222	0.77134	1.24409
Nitrogen Dioxide	TM2	12	11	18	58	17	425	0.0042	0.0179	0.1857	0.1646	0.7359	1.2033	0.7341		0.1497	0.1314	0.446	1.0338	1.9745	0.8852	0.3127	1.1579	0.0222	0.74757	1.20576
Nitrogen Dioxide	TM2	12	12	19	57	17	385	0.0041	0.0174	0.1848	0.1638	0.7312	1.1933	0.7295		0.1486	0.1305	0.4432	1.0272	1.9619	0.8795	0.3107	1.1506	0.0216	0.75063	1.2107
Nitrogen Dioxide	TM2	12	13	19	56	17	341	0.0041	0.0175	0.1851	0.1641	0.733	1.1963	0.7312		0.1491	0.1308	0.4442	1.0297	1.9666	0.8816	0.3115	1.1533	0.0217	0.73765	1.18976
Nitrogen Dioxide	TM2	12	14	19	56	17	347	0.0041	0.0175	0.1851	0.1641	0.733	1.1963	0.7312		0.1491	0.1308	0.4442	1.0297	1.9666	0.8816	0.3115	1.1533	0.0217	0.76167	1.22849
Nitrogen Dioxide	TM2	12	15	19	56	17	408	0.0041	0.0175	0.1851	0.1641	0.733	1.1963	0.7312		0.1491	0.1308	0.4442	1.0297	1.9666	0.8816	0.3115	1.1533	0.0217	0.75669	1.22047
Nitrogen Dioxide	TM2	12	16	19	57	17	392	0.0041	0.0174	0.1848	0.1638	0.7312	1.1933	0.7295		0.1486	0.1305	0.4432	1.0272	1.9619	0.8795	0.3107	1.1506	0.0216	0.75262	1.2139
Nitrogen Dioxide	TM2	12	17	18	60	17	410	0.0042	0.0178	0.1851	0.164	0.7327	1.1973	0.7309		0.1491	0.1308	0.4441	1.0292	1.9658	0.8812	0.3113	1.1528	0.0219	0.75895	1.22411
Nitrogen Dioxide	TM2	12	18	18	64	17	408	0.0041	0.0175	0.1839	0.1629	0.7262	1.1857	0.7244		0.1476	0.1296	0.4401	1.0201	1.9483	0.8734	0.3086	1.1426	0.0215	0.74975	1.20927
Nitrogen Dioxide	TM2	12	19	17	65	17	431	0.0042	0.018	0.1849	0.1638	0.7313	1.1962	0.7295		0.1487	0.1306	0.4432	1.0273	1.9621	0.8796	0.3108	1.1506	0.022	0.75147	1.21205
Nitrogen Dioxide	TM2	12	20	17	66	18	29	0.0041	0.0174	0.1795	0.1587	0.7101	1.1556	0.6969		0.1431	0.1261	0.4262	0.9877	1.8952	0.841	0.2987	1.0973	0.0217	0.20618	0.33255
Nitrogen Dioxide	TM2	12	21	17	66	18	24	0.0041	0.0174	0.1795	0.1587	0.7101	1.1556	0.6969		0.1431	0.1261	0.4262	0.9877	1.8952	0.841	0.2987	1.0973	0.0217	0.24718	0.39867
Nitrogen Dioxide	TM2	12	22	16	66	18	19	0.0042	0.0179	0.1807	0.1598	0.7164	1.1681	0.7031		0.1445	0.1273	0.43	0.9964	1.912	0.8484	0.3013	1.107	0.0222	0.26785	0.43202
Nitrogen Dioxide	TM2	12	23	16	66	18	17	0.0042	0.0179	0.1807	0.1598	0.7164	1.1681	0.7031		0.1445	0.1273	0.43	0.9964	1.912	0.8484	0.3013	1.107	0.0222	0.18929	0.30531
Nitrogen Dioxide	TM2	12	24	16	67	18	13	0.0042	0.0179	0.1805	0.1595	0.715	1.1656	0.7017		0.1442	0.1271	0.4292	0.9945	1.9083	0.8468	0.3007	1.1049	0.0221	0.17918	0.28901
Nitrogen Dioxide	TM3	1	1	17	76	52	48	0.0024	0.0107	0.1043	0.0866	0.4149	0.6171	0.3103		0.0712	0.0589	0.2094	0.4848	1.0143	0.3818	0.1492	0.4988	0.0172	0.19242	0.31035
Nitrogen Dioxide	TM3	1	2	17	77	53	26	0.0024	0.0105	0.1033	0.0857	0.4102	0.6091	0.3055		0.0702	0.0581	0.2064	0.4778	1.0012	0.3762	0.1472	0.4945	0.0171	0.14145	0.22815
Nitrogen Dioxide	TM3	1	3	17	77	53	24	0.0024	0.0105	0.1033	0.0857	0.4102	0.6091	0.3055		0.0702	0.0581	0.2064	0.4778	1.0012	0.3762	0.1472	0.4945	0.0171	0.15055	0.24283
Nitrogen Dioxide	TM3	1	4	17	77	53	21	0.0024	0.0104	0.1033	0.0857	0.4102	0.6091	0.3055		0.0702	0.0581	0.2064	0.4778	1.0012	0.3762	0.1472	0.4945	0.0171	0.18468	0.29786
Nitrogen Dioxide	TM3	1	5	17	78	53	21	0.0024	0.0105	0.1031	0.0855	0.4093	0.6077	0.3049		0.0701	0.058	0.206	0.4768	0.9991	0.3754	0.1469	0.4935	0.0171	0.16134	0.26023
Nitrogen Dioxide	TM3	1	6	17	77	53	44	0.0024	0.0105	0.1033	0.0857	0.4102	0.6091	0.3055		0.0702	0.0581	0.2064	0.4778	1.0012	0.3762	0.1472	0.4945	0.0171	0.14606	0.23558
Nitrogen Dioxide	TM3	1	7	16	77	53	98	0.0025	0.0111	0.106	0.088	0.4223	0.6303	0.3172		0.0728	0.0603	0.2139	0.4951	1.0341	0.3902	0.1522	0.5064	0.0177	0.15235	0.24573
Nitrogen Dioxide	TM3	1	8	17	77	37	299	0.0028	0.0122	0.1227	0.104	0.488	0.7466	0.3959		0.0883	0.0739	0.2607	0.6038	1.2276	0.4832	0.1833	0.6246	0.0181	0.16342	0.26358
Nitrogen Dioxide	TM3	1	9	17	80	53	884	0.0029	0.0127	0.127	0.108	0.5056	0.7777	0.4159		0.0923	0.0776	0.2726	0.6333	1.2778	0.5072	0.1915	0.6556	0.0178	0.37332	0.60212
Nitrogen Dioxide	TM3	1	10	19	69	35	1144	0.0028	0.0121	0.1257	0.107	0.4995	0.7658	0.4109		0.091	0.0765	0.2693	0.6237	1.2624	0.5011	0.1891	0.6477	0.0179	0.39288	0.63367
Nitrogen Dioxide	TM3	1	11	20	64	35	1136	0.0027	0.012	0.1258	0.1071	0.5003	0.7663	0.4116		0.0911	0.0766	0.2697	0.6247	1.2645	0.5019	0.1894	0.6488	0.0178	0.34235	0.55218
Nitrogen Dioxide	TM3	1	12	21	62	44	1079	0.0025	0.0107	0.1119	0.0941	0.4453	0.6682	0.3462		0.0782	0.065	0.2311	0.5352	1.1041	0.4242	0.1634	0.5478	0.0167	0.28836	0.4651
Nitrogen Dioxide	TM3	1	13	21	61	44	1012	0.0025	0.0108	0.1121	0.0942	0.4465	0.6702	0.3472		0.0784	0.0652	0.2318	0.5367	1.1072	0.4254	0.1639	0.5493	0.0168	0.29275	0.48024
Nitrogen Dioxide	TM3	1	14	21	62	43	934	0.0025	0.0108	0.1132	0.0952	0.4502	0.6769	0.352		0.0794	0.066	0.2346	0.5433	1.1186	0.4311	0.1657	0.5567	0.0168	0.29407	0.47431
Nitrogen Dioxide	TM3	1	15	21	62	42	1093	0.0025	0.011	0.1159	0.0978	0.4607	0.6954	0.3644		0.0818	0.0682	0.242	0.5604	1.1592	0.4457	0.1707	0.5739	0.0169	0.30678	0.4948
Nitrogen Dioxide	TM3	1	16	21	63	41	1088	0.0025	0.011	0.1156	0.0976	0.4595	0.6933	0.3634		0.0816	0.068	0.2413	0.5589	1.146	0.4445	0.1702	0.5743	0.0169	0.31024	0.50038
Nitrogen Dioxide	TM3	1	17	20	67	34	1076	0.0027	0.0119	0.1269	0.1083	0.5035	0.7725	0.4172		0.0921	0.0775	0.2727	0.6317	1.2754	0.5085	0.1914	0.6574	0.0176	0.35094	0.56603
Nitrogen Dioxide	TM3	1	18	19	72	29	1029	0.003	0.0129	0.1379	0.1195	0.5448	0.8471	0.4692		0.1019	0.0894	0.3021	0.6997	1.3955	0.5703	0.2116	0.7376	0.0183	0.37647	0.60721
Nitrogen Dioxide	TM3	1	19	18	74	31	907	0.003	0.0129	0.1336	0.1145	0.5296	0.8209	0.4494		0.0984	0.0834	0.2912	0.6745	1.3517	0.5468	0.2041	0.707	0.0185	0.32625	0.52621
Nitrogen Dioxide	TM3	1	20	18	74	41	583	0.0026	0.0114	0.1163	0.098	0.4622	0.7007	0.3656		0.0822	0.0685	0.2428	0.5623	1.153	0.4472	0.1713	0.5578	0.0175	0.16984	0.27394
Nitrogen Dioxide	TM3	1	21	18	75	44	494	0.0025	0.0111	0.1121	0.0941	0.4457	0.6711	0.3465		0.0784	0.0652	0.2314	0.5358	1.1052	0.4246	0.1636	0.5483	0.0172	0.16442	0.26519
Nitrogen Dioxide	TM3	1	22	18	76	50	207	0.0024	0.0105	0.1053	0.0877	0.4181	0.6227	0.3155		0.0721	0.0597	0.2124	0.4919	1.0256	0.3878	0.1511	0.5	0.0168	0.19955	0.32185
Nitrogen Dioxide	TM3	1	23	18	75	51	124	0.0024	0.0104	0.1045	0.0869	0.4151	0.6173	0.3118		0.0714	0.0591	0.2102	0.4867	1.0165	0.3835	0.1496	0.4977	0.0169	0.22592	0.36438
Nitrogen Dioxide	TM3	1	24	17	76	52	85	0.0024	0.0107	0.1043	0.0866	0.4149	0.6171	0.3103		0.0712	0.0589	0.2094	0.4848	1.0143	0.3818	0.1492	0.4988	0.0172	0.28943	0.46683
Nitrogen Dioxide	TM3	2	1	17	78	52	48	0.0024	0.0106	0.104	0.0864	0.4131	0.6143	0.309		0.0709	0.0587	0.2085	0.4828	1.0099	0.3802	0.1486	0.4967	0.0171	0.19162	0.30906
Nitrogen Dioxide	TM3	2	2	17	80	53	26	0.0024	0.0104	0.1028	0.0853	0.4076	0.6049	0.3036		0.0697	0.0577	0.2051	0.4744	0.9948	0.3738	0.1463	0.4914	0.0169	0.14058	0.22674
Nitrogen Dioxide	TM3	2	3	17	81	53	24	0.0024	0.0104	0.1026	0.0851	0.4067	0.6035	0.3029		0.0696	0.0576	0.2047	0.4737	0.9927	0.373	0.146	0.4903	0.0169	0.14931	0.24083
Nitrogen Dioxide	TM3	2	4	17	82	53	21	0.0024	0.0103	0.1025	0.085	0.4058	0.6021	0.3023		0.0694	0.0575	0.2042	0.4727	0.9906	0.3721	0.1457	0.4893	0.0168	0.18275	0.29476
Nitrogen Dioxide	TM3	2	5	16	83	53	21	0.0025	0.0107	0.1032	0.0856	0.4096	0.6088	0.3051		0.0701	0.0581	0.2061	0.4771	0.9998	0.3756	0.147	0.4938	0.0172	0.16151	0.26051
Nitrogen Dioxide	TM3	2	6	16	83	53	44	0.0025	0.0107	0.1032	0.0856	0.4096	0.6088	0.3051		0.0701	0.0581	0.2061	0.4771	0.9998	0.3756	0.147	0.4938	0.0172	0.14591	0.23534
Nitrogen Dioxide	TM3	2	7	16	83	51	98	0.0025	0.0108	0.105	0.0873	0.4173	0.6222	0.3135		0.0719	0.0595	0.2113	0.4892	1.0218	0.3855	0.1504	0.5003	0.0173	0.15059	0.24289
Nitrogen Dioxide	TM3	2	8	17	82	37	299	0.0028	0.0121	0.122	0.1034	0.4838	0.7397	0.3925		0.0875	0.0733	0.2585	0.5986	1.2171	0.4791	0.1883	0.6192	0.0178	0.16204	0.26136
Nitrogen Dioxide	TM3	2	9	18	77	35	884	0.0028	0.0121	0.1251	0.1064	0.4957	0.7604	0.4078		0.0903	0.0759	0.2672	0.619	1.2528	0.4973	0.1877	0.6428	0.0178	0.36551	0.58953
Nitrogen Dioxide	TM3	2	10	19	73	35	1144	0.0027	0.0119	0.1248	0.1063	0.4946	0.7577	0.4069		0.0901	0.0757	0.2666	0.6176

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:

(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.

(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Dioxide	TM3	4	21	21	80	44	494	0.0023	0.0099	0.1079	0.0907	0.4229	0.6319	0.3288		0.0741	0.0616	0.2194	0.5083	1.0486	0.4028	0.1552	0.5202	0.0152	0.15609	0.25176
Nitrogen Dioxide	TM3	4	22	21	81	50	207	0.0021	0.0093	0.1012	0.0845	0.3964	0.586	0.2991		0.0681	0.0564	0.2014	0.4664	0.9724	0.3677	0.1432	0.4743	0.0149	0.18919	0.30514
Nitrogen Dioxide	TM3	4	23	21	82	51	124	0.0021	0.0092	0.1001	0.0834	0.3915	0.5776	0.2941		0.067	0.0555	0.1982	0.459	0.9587	0.3617	0.1411	0.4694	0.0148	0.21312	0.34375
Nitrogen Dioxide	TM3	4	24	20	82	52	83	0.0022	0.0094	0.1003	0.0835	0.3938	0.5814	0.2945		0.0673	0.0557	0.1987	0.4602	0.9627	0.3624	0.1412	0.4705	0.0153	0.24474	0.39473
Nitrogen Dioxide	TM3	5	1	26	91	52	48	0.0017	0.0072	0.0903	0.0753	0.3386	0.4915	0.2533		0.0573	0.0475	0.1707	0.3957	0.8279	0.3117	0.1218	0.4071	0.011	0.15729	0.2537
Nitrogen Dioxide	TM3	5	2	25	92	53	26	0.0017	0.0074	0.0908	0.0756	0.3426	0.4975	0.2552		0.0579	0.048	0.1722	0.3991	0.8363	0.3142	0.123	0.4131	0.0114	0.11862	0.19132
Nitrogen Dioxide	TM3	5	3	25	92	53	24	0.0017	0.0074	0.0908	0.0756	0.3426	0.4975	0.2552		0.0579	0.048	0.1722	0.3991	0.8363	0.3142	0.123	0.4131	0.0114	0.12625	0.20364
Nitrogen Dioxide	TM3	5	4	25	91	53	21	0.0017	0.0075	0.0911	0.0759	0.3441	0.4999	0.2563		0.0581	0.0482	0.1731	0.4008	0.8399	0.3155	0.1235	0.4148	0.0115	0.15559	0.25095
Nitrogen Dioxide	TM3	5	5	25	92	53	21	0.0017	0.0074	0.0908	0.0756	0.3426	0.4975	0.2552		0.0579	0.048	0.1722	0.3991	0.8363	0.3142	0.123	0.4131	0.0114	0.13545	0.21847
Nitrogen Dioxide	TM3	5	6	25	93	53	44	0.0017	0.0073	0.0905	0.0754	0.3412	0.4952	0.2541		0.0576	0.0477	0.1715	0.3974	0.8327	0.3128	0.1225	0.4113	0.0113	0.11256	0.19768
Nitrogen Dioxide	TM3	5	7	26	91	51	98	0.0017	0.0073	0.0911	0.0761	0.3418	0.4969	0.2568		0.058	0.0481	0.1729	0.4008	0.837	0.3158	0.1232	0.4098	0.011	0.12404	0.20007
Nitrogen Dioxide	TM3	5	8	27	85	37	299	0.0019	0.0084	0.1068	0.0907	0.4003	0.5975	0.3247		0.0714	0.06	0.2136	0.4952	1.007	0.3964	0.1504	0.5123	0.0117	0.13344	0.21523
Nitrogen Dioxide	TM3	5	9	28	80	35	884	0.002	0.0087	0.1099	0.0935	0.4112	0.6165	0.3383		0.074	0.0623	0.2214	0.5134	1.0392	0.4125	0.1557	0.5332	0.0118	0.29996	0.48381
Nitrogen Dioxide	TM3	5	10	28	78	35	1144	0.0021	0.0089	0.1106	0.0941	0.4155	0.6236	0.3418		0.0748	0.063	0.2238	0.5188	1.0501	0.4168	0.1573	0.5388	0.012	0.32565	0.52202
Nitrogen Dioxide	TM3	5	11	29	77	35	1136	0.002	0.0087	0.1092	0.0929	0.4071	0.6102	0.3351		0.0733	0.0617	0.2194	0.5086	1.0294	0.4086	0.1542	0.5282	0.0116	0.27667	0.44624
Nitrogen Dioxide	TM3	5	12	29	90	44	1079	0.0019	0.008	0.0983	0.0826	0.3687	0.5427	0.2866		0.064	0.0533	0.1912	0.4432	0.9141	0.3512	0.1353	0.4535	0.0113	0.23721	0.3826
Nitrogen Dioxide	TM3	5	13	29	74	44	1012	0.0019	0.0081	0.0987	0.0829	0.3707	0.546	0.2882		0.0644	0.0536	0.1922	0.4456	0.9192	0.3531	0.1361	0.456	0.0115	0.24564	0.3962
Nitrogen Dioxide	TM3	5	14	29	75	43	934	0.0019	0.0081	0.0994	0.0836	0.3728	0.5498	0.2914		0.065	0.0541	0.194	0.4498	0.9261	0.3569	0.1372	0.461	0.0114	0.24202	0.39035
Nitrogen Dioxide	TM3	5	15	29	75	41	1093	0.0019	0.0083	0.1017	0.0858	0.3815	0.5648	0.3017		0.067	0.0559	0.2002	0.464	0.9515	0.3691	0.1413	0.4768	0.0115	0.25249	0.40724
Nitrogen Dioxide	TM3	5	16	29	77	41	1088	0.0019	0.0081	0.101	0.0852	0.3772	0.5579	0.2983		0.0662	0.0553	0.1979	0.4588	0.9409	0.365	0.1397	0.4715	0.0112	0.25302	0.40809
Nitrogen Dioxide	TM3	5	17	28	78	37	1076	0.0021	0.0089	0.1123	0.0957	0.4214	0.6334	0.3492		0.0762	0.0637	0.2258	0.5267	1.0675	0.4256	0.1602	0.5502	0.0121	0.29177	0.4706
Nitrogen Dioxide	TM3	5	18	28	81	29	1029	0.0022	0.0093	0.1207	0.1044	0.4495	0.6833	0.3871		0.0831	0.0731	0.2489	0.5772	1.1512	0.4705	0.1746	0.6084	0.0121	0.30831	0.49727
Nitrogen Dioxide	TM3	5	19	27	84	31	907	0.0021	0.0092	0.1171	0.1004	0.4385	0.6642	0.3721		0.0804	0.0684	0.2408	0.5584	1.1191	0.4527	0.169	0.5853	0.0122	0.26814	0.43248
Nitrogen Dioxide	TM3	5	20	27	87	41	583	0.0018	0.0079	0.1009	0.0851	0.3771	0.5577	0.2982		0.0662	0.0553	0.1978	0.4587	0.9405	0.3648	0.1397	0.4713	0.0112	0.13892	0.22406
Nitrogen Dioxide	TM3	5	21	27	88	44	494	0.0018	0.0076	0.0971	0.0817	0.3626	0.5329	0.2819		0.0629	0.0524	0.188	0.4359	0.8991	0.3454	0.1331	0.4461	0.0109	0.1344	0.21677
Nitrogen Dioxide	TM3	5	22	26	89	50	207	0.0017	0.0074	0.0926	0.0773	0.3483	0.5076	0.2628		0.0593	0.0492	0.1768	0.4097	0.8543	0.3231	0.1258	0.4165	0.0112	0.16649	0.26853
Nitrogen Dioxide	TM3	5	23	26	89	51	124	0.0017	0.0074	0.0917	0.0765	0.3445	0.502	0.2592		0.0586	0.0486	0.1745	0.4051	0.8448	0.3187	0.1244	0.4137	0.0112	0.18808	0.30336
Nitrogen Dioxide	TM3	5	24	26	90	52	85	0.0017	0.0073	0.0906	0.0755	0.3402	0.494	0.2545		0.0576	0.0477	0.1715	0.3976	0.8317	0.3131	0.1224	0.409	0.0111	0.23752	0.3831
Nitrogen Dioxide	TM3	6	1	28	88	52	48	0.0016	0.0068	0.088	0.0733	0.3253	0.4703	0.2433		0.0549	0.0455	0.164	0.3801	0.7952	0.2994	0.117	0.3911	0.01	0.15119	0.24386
Nitrogen Dioxide	TM3	6	2	27	89	53	26	0.0016	0.007	0.0885	0.0737	0.3298	0.4773	0.2457		0.0556	0.0461	0.1658	0.3842	0.8051	0.3025	0.1184	0.3976	0.0105	0.11434	0.18442
Nitrogen Dioxide	TM3	6	3	27	89	53	24	0.0016	0.007	0.0885	0.0737	0.3298	0.4773	0.2457		0.0556	0.0461	0.1658	0.3842	0.8051	0.3025	0.1184	0.3976	0.0105	0.12171	0.19631
Nitrogen Dioxide	TM3	6	4	27	88	53	21	0.0016	0.007	0.0888	0.074	0.3315	0.4799	0.2469		0.0559	0.0463	0.1666	0.3861	0.8091	0.304	0.119	0.3996	0.0107	0.15007	0.24205
Nitrogen Dioxide	TM3	6	5	27	89	53	21	0.0016	0.007	0.0885	0.0737	0.3298	0.4773	0.2457		0.0556	0.0461	0.1658	0.3842	0.8051	0.3025	0.1184	0.3976	0.0105	0.13054	0.21055
Nitrogen Dioxide	TM3	6	6	27	90	53	44	0.0016	0.0069	0.0882	0.0735	0.3282	0.4746	0.2444		0.0553	0.0458	0.1649	0.3823	0.801	0.3009	0.1178	0.3956	0.0104	0.1182	0.19065
Nitrogen Dioxide	TM3	6	7	28	87	51	98	0.0016	0.0069	0.0891	0.0743	0.3301	0.4784	0.248		0.0559	0.0464	0.167	0.3871	0.8084	0.305	0.119	0.3959	0.0102	0.12	0.19355
Nitrogen Dioxide	TM3	6	8	29	82	37	299	0.0019	0.008	0.1042	0.0884	0.3853	0.573	0.3126		0.0686	0.0576	0.2056	0.4768	0.9694	0.3816	0.1448	0.4932	0.0107	0.1285	0.20727
Nitrogen Dioxide	TM3	6	9	29	79	35	884	0.002	0.0085	0.1084	0.0922	0.4028	0.6027	0.3313		0.0724	0.061	0.2169	0.5029	1.0179	0.404	0.1525	0.5222	0.0113	0.29357	0.4735
Nitrogen Dioxide	TM3	6	10	30	74	41	1144	0.002	0.0084	0.1077	0.0916	0.3989	0.5964	0.3282		0.0717	0.0604	0.2148	0.4981	1.0082	0.4002	0.1511	0.5173	0.0111	0.31025	0.5004
Nitrogen Dioxide	TM3	6	11	30	75	35	1136	0.002	0.0085	0.1082	0.092	0.4014	0.6004	0.3302		0.0722	0.0608	0.2161	0.5012	1.0144	0.4026	0.152	0.5204	0.0112	0.27252	0.43954
Nitrogen Dioxide	TM3	6	12	30	74	44	1079	0.0018	0.0078	0.097	0.0815	0.3614	0.531	0.281		0.0627	0.0522	0.1874	0.4344	0.8961	0.3443	0.1326	0.4446	0.0109	0.23241	0.37485
Nitrogen Dioxide	TM3	6	13	31	73	44	1012	0.0018	0.0077	0.0957	0.0804	0.3539	0.519	0.2752		0.0613	0.0511	0.1835	0.4254	0.8776	0.3372	0.1299	0.4354	0.0104	0.23424	0.37781
Nitrogen Dioxide	TM3	6	14	31	72	43	934	0.0018	0.0078	0.0972	0.0817	0.3602	0.5295	0.2816		0.0627	0.0523	0.1875	0.4347	0.8949	0.3449	0.1326	0.4454	0.0106	0.23365	0.37686
Nitrogen Dioxide	TM3	6	15	30	74	41	1093	0.0019	0.0081	0.1004	0.0847	0.3739	0.5526	0.2957		0.0656	0.0548	0.1962	0.4549	0.9327	0.3618	0.1385	0.4674	0.011	0.24737	0.39899
Nitrogen Dioxide	TM3	6	16	30	74	41	1088	0.0019	0.0081	0.1004	0.0847	0.3739	0.5526	0.2957		0.0656	0.0548	0.1962	0.4549	0.9327	0.3618	0.1383	0.4674	0.011	0.25077	0.40446
Nitrogen Dioxide	TM3	6	17	30	75	34	1076	0.002	0.0087	0.1097	0.0935	0.4071	0.6104	0.3373		0.0735	0.0621	0.2202	0.5107	1.0312	0.4111	0.1548	0.5315	0.0113	0.28157	0.45414
Nitrogen Dioxide	TM3	6	18	29	79	29	1029	0.0021	0.0091	0.1195	0.1033	0.4426	0.6718	0.3811		0.0817	0.0719	0.2451	0.5684	1.1335	0.4633	0.1719	0.5991	0.0117	0.30342	0.48939
Nitrogen Dioxide	TM3	6	19	29	81	31	907	0.002	0.0087	0.1143	0.0979	0.4225	0.6377	0.3585		0.0774	0.0658	0.232	0.538	1.0783	0.4362	0.1628	0.564	0.0113	0.25814	0.41635
Nitrogen Dioxide	TM3	6	20	28	83	43	583	0.0018	0.0079	0.1005	0.0848	0.3748	0.554	0.2964		0.0657	0.0549	0.1966	0.4559	0.9348	0.3626	0.1388	0.4685	0.0111	0.13812	0.22277
Nitrogen Dioxide	TM3	6	21	28	85	44	494	0.0017	0.0075	0.0964	0.0781	0.3585	0.5261	0.2796		0.0623	0.0517	0.1858	0.4308	0.8886	0.3414	0.1315	0.4408	0.0107	0.13286	0.21429
Nitrogen Dioxide	TM3	6	22	28	86	50	207	0.0016	0.007	0.0902	0.0754	0.3351	0.4866	0.2529		0.0569	0.0472	0.1701	0.3942	0.822	0.3108	0.1211	0.4007	0.0103	0.16031	0.25856
Nitrogen Dioxide	TM3	6	23	28	87	51	124	0.0016	0.0069	0.0891	0.0743	0.3301	0.4784	0.248		0.0559	0.0464	0.167	0.3871	0.8084	0.305	0.119	0.3959	0.0102	0.1801	0.29049
Nitrogen Dioxide	TM3	6	24	28	87	52	85	0.0016	0.0069	0.0883	0.0736	0.3271	0.4732	0.2446		0.0552	0.0458	0.1649	0.3822	0.7996	0.301	0.1176	0.3932	0.0102	0.22842	0.36841
Nitrogen Dioxide	TM3	7	1	28	84	52	48	0.0016	0.0071	0.0893	0.0744	0.3324	0.4817	0.2486		0.0562	0.0466	0.1676	0.3885	0.8127	0.3059	0.1196	0.3997	0.0105	0.13547	0.24914
Nitrogen Dioxide	TM3	7	2	28	84	53	26	0.0016	0.007	0.0885	0.0737	0.3294	0.4765	0.2453		0.0555	0.046	0.1655	0.3837	0.8039	0.302	0.1182	0.3974	0.0105	0.1142	0.1842
Nitrogen Dioxide	TM3	7	3	28	86	53	24	0.0016	0.0069	0.0879	0.0732	0.3258	0.4709	0.2427		0.0549	0.0455	0.1637	0.3796	0.7953	0.2988	0.1167	0.3928	0.0103	0.12033	0.19409
Nitrogen Dioxide	TM3	7	4	28	86	53	21	0.0016	0.0069	0.0879	0.0732	0.3258	0.4709	0.2427		0.0549	0.0455	0.1637	0.3796	0.7953	0.2988	0.117	0.3928	0.0103	0.14764	0.23813
Nitrogen Dioxide	TM3	7	5	28	88	53	21	0.0016	0.0067	0.0872	0.0726	0.3223	0.4653	0.2401		0.0542	0.045	0.162	0.3754	0.7867	0.2956	0.1157	0.3886	0.01	0.12766	0.2059
Nitrogen Dioxide	TM3	7	6	27	88	53	44	0.0016	0.007	0.0888	0.074	0.3315	0.4799	0.2469		0.0559	0.0463	0.1666	0.3861	0.8091	0.304	0.119	0.3996	0.0107	0.11931	0.19244
Nitrogen Dioxide	TM3	7	7	28	86	51	98	0.0016	0.007	0.0894	0.0746	0.3319	0.4812	0.2494		0.0562	0.0466	0.1679	0.3892	0.8128	0.3067	0.1197	0.398	0.0103	0.12062	0.19456
Nitrogen Dioxide	TM3	7	8	29	81	37	299	0.0019	0.0081	0.1046	0.0887	0.3876	0.5767	0.3144		0.069	0.058	0.2068	0.4795	0.975	0.3838	0.1456	0.496	0.0109	0.12925	0.20847
Nitrogen Dioxide	TM3	7	9	30	76	35	884	0.002	0.0085	0.1077	0.0916	0.3989	0.5964	0.3282		0.0717	0.0604	0.2148	0.4982	1.0082	0.4002	0.1511	0.5173	0.0111	0.29088	0.46884
Nitrogen Dioxide	TM3	7	10	31	70	35	1144	0.002	0.0088	0.1085	0.0923	0.4032	0.6034	0.3317		0.0725	0.0611	0.2171	0.5034	1.019	0.4045	0.1527	0.5228	0.0113	0.31372	0.506
Nitrogen Dioxide	TM3	7	11	31	68	35	1136	0.0021	0.009	0.1095	0.093	0.4084	0.6119	0.3359		0.0735	0.0619	0.2199	0.5099	1.032	0.4096	0.1546	0.5295	0.0116	0.27742	0.44746
Nitrogen Dioxide	TM3	7	13	32	67	44	1079	0.0018	0.008	0.0966	0.081	0.3585	0.5263	0.2787		0.0622	0.0518	0.1859	0.4309	0.8889	0.3415	0.1316	0.443	0.0107	0.2305	0.37178
Nitrogen Dioxide	TM3	7	13	32	66	44	1012	0.0019	0.0081	0.097	0.0814	0.3609	0.5303	0.2806		0.0626	0.0522	0.1872	0.4339	0.895	0.3438	0.1325	0.444	0.0108	0.23903	0.38554
Nitrogen Dioxide	TM3	7	14	32	66	43	934	0.0019	0.0082	0.0981	0.0824	0.3652	0.5372	0.2843		0.0635	0.057	0.19	0.4404	0.9068	0.3484	0.1344	0.4513	0.0109	0.23686	0.38204
Nitrogen Dioxide	TM3	7	15	31	68	41	1093	0.0019	0.0084	0.1012	0.0853	0.3782	0.5594	0.2991		0.0664	0.0555	0.1984	0.46	0.9433	0.3659	0.1401	0.4727	0.0113	0.25027	0.40366
Nitrogen Dioxide	TM3	7	16	31	69	41	1088	0.0019	0.0083	0.1008	0.0849	0.3758	0.5556	0.2972		0.0659	0.0551	0.1972	0.4571	0.9373	0.3636	0.1392	0.4697	0.0111	0.25207	0.40656
Nitrogen Dioxide	TM3	7	17	31	70	34	1076	0.0021	0.0089	0.1101	0.0938	0.4089	0.6134	0.3389		0.0739	0.0624	0.2213	0.513	1.0359	0.413	0.1555	0.5339	0.0114	0.28293	0.45634
Nitrogen Dioxide	TM3	7	18	30	73	29	1029	0.0022	0.0094	0.1202	0.1039	0.4464	0.6782	0.3844		0.0825	0.0726	0.2472	0.5733	1.1433	0.4673	0.1734	0.6043	0.0119	0.30616	0.4938
Nitrogen Dioxide	TM3	7	19	29	76	31	907	0.0021	0.0092	0.1165	0.0998	0.4346	0.6578	0.3688		0.0797	0.0678	0.2387	0.5535	1.1093	0.4487	0.1675	0.5802	0.012	0.26574	0.42862
Nitrogen Dioxide	TM3	7	20	29	79	41	583	0.0018	0.0079	0.1002	0.0845	0.3771	0.5611	0.2995		0.0654	0.0546	0.1957	0.4537	0.9303	0.3608	0.1382	0.4662	0.0109	0.13748	0.22175
Nitrogen Dioxide	TM3	7	21	29	81	44	494	0.0017	0.0075	0.0961	0.0807	0.3564	0.5229	0.2771		0.0618	0.0515	0.1848	0.4284	0.8836	0.3395	0.1308	0.4384	0.0105	0.13218	0.2132
Nitrogen Dioxide	TM3	7	22	29	82	50	207	0.0016	0.007	0.0899	0.0751	0.3331	0.4835	0.2514		0.0566	0.047	0.169	0.3919	0.8171	0.309	0.1204	0.3984	0.0102	0.1594	0.2571
Nitrogen Dioxide	TM3	7	23	28	83	51	124	0.0017	0.0072	0.0904	0.0754	0.3373	0.4898	0.2534		0.0572	0.0474	0.1706	0.3955	0.826	0.3117	0.1216	0.4045	0.0107	0.18399	0.29675
Nitrogen Dioxide	TM3	7	24	28	84	52	85	0.0016	0.0071	0.0893	0.0744	0.3324	0.4817	0.2486		0.0562	0.0466	0.1676	0.3885	0.8127	0.3059	0.1196	0.3997	0.0105	0.23213	0.37441
Nitrogen Dioxide	TM3	8	1	27	90	52	48	0.0016	0.0069	0.089	0.0742	0.3315	0.4797	0.2477		0.0559	0.0464	0.167	0.3882	0.8107	0.3043	0.1197	0.3982	0.0108	0.15386	0.24817
Nitrogen Dioxide	TM3	8	2	26	90	53	26	0.0017	0.0072	0.0898	0.0748	0.3371	0.4888	0.2511		0.0569	0.0471	0.1694	0.3927	0.8228	0.3091	0.121	0.4064	0.011	0.11678	0.18835
Nitrogen Dioxide	TM3	8	3	26	91	53	24	0.0017	0.0071	0.0895	0.0746	0.3355	0.4863	0.2499		0.0566	0.0469	0.1686	0.3908	0.819	0.3077	0.1204	0.4045	0.0109	0.12372	0.19956
Nitrogen Dioxide	TM3	8	4	26	92	53	21	0.0017	0.0071	0.0893	0.0744	0.334	0.4838	0.2487		0.0563	0.0467	0.1678	0.389	0.8152	0.3063	0.1199	0.4026	0.0108	0.15119	0.24385
Nitrogen Dioxide	TM3	8	5	26	93	53	21	0.0016	0.007	0.089	0.0741	0.3324	0.4813	0.2476		0.056	0.0465	0.1671	0.3872	0.8114	0.3048	0.1193	0.4008	0.0107	0.13151	0.21211
Nitrogen Dioxide	TM3	8	6	26	94	53	44	0.0016	0.007	0.0887	0.0739	0.3308	0.4789	0.2464		0.0558	0.0462	0.1663	0.3854	0.8075	0.3034	0.1187	0.3989	0.0106	0.11909	0.19208
Nitrogen Dioxide	TM3	8	7	26	93	51	98	0.0017	0.0071	0.0906	0.0756	0.3386	0.4919	0.2544		0.0574	0.0476	0.1713	0.397	0.8292	0.3129	0.1221	0.406	0.0108	0.11829	0.19079
Nitrogen Dioxide	TM3	8	8	27	87	37	299	0.0019	0.0082	0.1061	0.0901	0.3963	0.591	0.3215		0.0707	0.0593	0.2115	0.4903	0.997	0.3925	0.1489	0.5072	0.0114	0.13211	0.21308
Nitrogen Dioxide	TM3	8	9	29	81	35	884	0.0019	0.0083	0.1075	0.0915	0.3982	0.5952	0.3276		0.0715	0.0603	0.2144	0.4972	1.0063	0.3994	0.1508	0.5163	0.011	0.2901	0.4679
Nitrogen Dioxide	TM3	8	10	30	76	35	1144	0.002	0.0084	0.1077	0.0916	0.3989	0.5964	0.3282		0.0717	0.0604	0.2148	0.4981	1.0082	0.4002	0.1511	0.5173	0.011	0.31025	0.5004
Nitrogen Dioxide	TM3	8	11	30	73	35	1136	0.002	0.0088	0.1091	0.0927	0.4062	0.6084	0.3342		0.0731	0.0616	0.2188	0.5072	1.0266	0.4075	0.1538	0.5268	0.0115	0.27592	0.44503
Nitrogen Dioxide	TM3	8	12	30	73	44	1079	0.0018	0.0079	0.0974	0.0818	0.3636	0.5345	0.2827		0.0631	0.0525	0.1885	0.437	0.9015	0.3463	0.1334	0.4473	0.011	0.23385	0.37717
Nitrogen Dioxide	TM3	8	13	30	74	44	1012	0.0018	0.0078	0.097	0.0815	0.3614	0.531	0.281		0.0627	0.0522	0.1874	0.4344	0.8961	0.3443	0.1326	0.4446	0.0109	0.2393	0.38597
Nitrogen Dioxide	TM3	8	14	30	74	43	934	0.0018	0.0079	0.0981	0.0825	0.3654	0.5379	0.2857		0.0636	0.053	0.1902	0.441	0.9079	0.3499	0.1345	0.4519	0.0109	0.23712	0.38245
Nitrogen Dioxide	TM3	8	15	30	75	41	1093	0.0018	0.008	0.1	0.0843	0.3717	0.5489	0.294		0.0652	0.0545	0.195	0.4521	0.9271	0.3596	0.1377	0.4646

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:

(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.

(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Dioxide	TM3	11	2	21	74	53	26	0.0022	0.0094	0.1	0.0832	0.3934	0.5797	0.293		0.0671	0.0555	0.1979	0.4583	0.9603	0.3608	0.1412	0.4743	0.0153	0.13569	0.21886
Nitrogen Dioxide	TM3	11	3	21	74	53	24	0.0022	0.0094	0.1	0.0832	0.3934	0.5797	0.293		0.0671	0.0555	0.1979	0.4583	0.9603	0.3608	0.1412	0.4743	0.0153	0.14441	0.23292
Nitrogen Dioxide	TM3	11	4	21	74	53	21	0.0022	0.0094	0.1	0.0832	0.3934	0.5797	0.293		0.0671	0.0555	0.1979	0.4583	0.9603	0.3608	0.1412	0.4743	0.0153	0.17722	0.28584
Nitrogen Dioxide	TM3	11	5	21	74	53	21	0.0022	0.0094	0.1	0.0832	0.3934	0.5797	0.293		0.0671	0.0555	0.1979	0.4583	0.9603	0.3608	0.1412	0.4743	0.0153	0.15508	0.25012
Nitrogen Dioxide	TM3	11	6	21	73	53	44	0.0022	0.0095	0.1002	0.0833	0.3946	0.5816	0.2939		0.0673	0.0556	0.1985	0.4596	0.9631	0.3618	0.1416	0.4757	0.0154	0.14065	0.22685
Nitrogen Dioxide	TM3	11	7	21	73	51	98	0.0022	0.0096	0.102	0.085	0.4019	0.5943	0.3019		0.0689	0.057	0.2035	0.4713	0.9843	0.3714	0.1449	0.482	0.0155	0.145	0.23387
Nitrogen Dioxide	TM3	11	8	21	70	37	299	0.0026	0.0111	0.1199	0.1018	0.4734	0.7194	0.3841		0.0853	0.0715	0.2529	0.5858	1.191	0.4688	0.1779	0.6059	0.0166	0.15816	0.2551
Nitrogen Dioxide	TM3	11	9	22	66	35	884	0.0026	0.0114	0.1232	0.1049	0.4859	0.7408	0.3997		0.0883	0.0742	0.2619	0.6066	1.2279	0.4874	0.184	0.63	0.0166	0.3571	0.57597
Nitrogen Dioxide	TM3	11	10	23	61	35	1144	0.0026	0.0114	0.1234	0.1051	0.4871	0.7424	0.4009		0.0885	0.0744	0.2626	0.6085	1.2315	0.4888	0.1845	0.6319	0.0165	0.38209	0.61627
Nitrogen Dioxide	TM3	11	11	25	57	35	1136	0.0026	0.0113	0.1225	0.1042	0.4815	0.7322	0.3961		0.0874	0.0734	0.2595	0.6012	1.2169	0.4853	0.1823	0.6244	0.0161	0.38258	0.52997
Nitrogen Dioxide	TM3	11	12	25	56	44	1079	0.0024	0.0103	0.1097	0.0921	0.4325	0.6456	0.3363		0.0758	0.0629	0.2245	0.5199	1.0725	0.412	0.1588	0.5321	0.0155	0.27953	0.45086
Nitrogen Dioxide	TM3	11	13	25	56	44	1012	0.0024	0.0103	0.1097	0.0921	0.4325	0.6456	0.3363		0.0758	0.0629	0.2245	0.5199	1.0725	0.412	0.1588	0.5321	0.0155	0.28781	0.46421
Nitrogen Dioxide	TM3	11	14	26	56	43	934	0.0024	0.0102	0.1099	0.0924	0.4315	0.6447	0.3374		0.0756	0.063	0.2248	0.5207	1.0721	0.4132	0.1589	0.5336	0.0152	0.28125	0.45363
Nitrogen Dioxide	TM3	11	15	26	57	41	1093	0.0024	0.0104	0.1122	0.0946	0.4398	0.6594	0.3479		0.0778	0.0648	0.2309	0.535	1.0971	0.4255	0.1629	0.5498	0.0152	0.29221	0.4713
Nitrogen Dioxide	TM3	11	16	25	58	41	1088	0.0024	0.0105	0.1129	0.0953	0.4442	0.6666	0.3513		0.0786	0.0655	0.2333	0.5404	1.1081	0.4298	0.1646	0.5553	0.0153	0.48277	0.29932
Nitrogen Dioxide	TM3	11	17	24	63	34	1076	0.0026	0.0112	0.1235	0.1053	0.4844	0.7378	0.4014		0.0883	0.0744	0.2623	0.6077	1.2271	0.4892	0.1842	0.6325	0.0159	0.3367	0.54306
Nitrogen Dioxide	TM3	11	18	23	66	29	1029	0.0028	0.012	0.1346	0.1166	0.5268	0.8132	0.4537		0.0982	0.0862	0.292	0.6765	1.3492	0.5514	0.2046	0.7131	0.0167	0.36301	0.5855
Nitrogen Dioxide	TM3	11	19	23	70	31	907	0.0027	0.0115	0.1285	0.1102	0.5019	0.7704	0.4259		0.0928	0.0787	0.2759	0.6392	1.2811	0.5182	0.1935	0.67	0.016	0.30807	0.49688
Nitrogen Dioxide	TM3	11	20	22	70	41	583	0.0024	0.0104	0.1129	0.0953	0.4444	0.6682	0.3515		0.0787	0.0656	0.2334	0.5406	1.1086	0.43	0.1646	0.5555	0.0157	0.16324	0.26329
Nitrogen Dioxide	TM3	11	21	22	72	44	494	0.0023	0.01	0.1086	0.0913	0.4269	0.6377	0.3319		0.0748	0.0622	0.2215	0.5131	1.0584	0.4066	0.1567	0.5251	0.0154	0.15749	0.25402
Nitrogen Dioxide	TM3	11	22	22	74	50	207	0.0022	0.0094	0.1017	0.0848	0.3988	0.5893	0.3011		0.0685	0.0567	0.2026	0.4692	0.9784	0.37	0.1441	0.4773	0.0149	0.19034	0.3077
Nitrogen Dioxide	TM3	11	23	22	74	51	124	0.0021	0.0093	0.1007	0.084	0.3951	0.5827	0.2968		0.0676	0.056	0.2	0.4632	0.9674	0.365	0.1424	0.4737	0.0149	0.21503	0.34682
Nitrogen Dioxide	TM3	11	24	21	74	52	85	0.0022	0.0095	0.1009	0.084	0.397	0.586	0.297		0.0679	0.0562	0.2004	0.464	0.9707	0.3654	0.1428	0.4774	0.0154	0.27699	0.44676
Nitrogen Dioxide	TM3	12	1	16	68	52	48	0.0026	0.0113	0.1064	0.0882	0.4258	0.6354	0.3185		0.0732	0.0606	0.215	0.4976	1.041	0.3919	0.1532	0.5119	0.0182	0.19751	0.31856
Nitrogen Dioxide	TM3	12	2	16	69	53	26	0.0026	0.0112	0.1053	0.0873	0.4211	0.6273	0.3136		0.0722	0.0597	0.2119	0.4905	1.0278	0.3861	0.1511	0.5077	0.0181	0.14519	0.23418
Nitrogen Dioxide	TM3	12	3	16	69	53	24	0.0026	0.0112	0.1053	0.0873	0.4211	0.6273	0.3136		0.0722	0.0597	0.2119	0.4905	1.0278	0.3861	0.1511	0.5077	0.0181	0.15453	0.24925
Nitrogen Dioxide	TM3	12	4	15	70	53	21	0.0026	0.0115	0.1059	0.0877	0.424	0.6326	0.3158		0.0728	0.0602	0.2134	0.4939	1.0348	0.3888	0.1522	0.5111	0.0185	0.19081	0.30776
Nitrogen Dioxide	TM3	12	5	15	70	53	21	0.0026	0.0115	0.1059	0.0877	0.424	0.6326	0.3158		0.0728	0.0602	0.2134	0.4939	1.0348	0.3888	0.1522	0.5111	0.0185	0.16712	0.26955
Nitrogen Dioxide	TM3	12	6	15	70	53	44	0.0026	0.0115	0.1059	0.0877	0.424	0.6326	0.3158		0.0728	0.0602	0.2134	0.4939	1.0348	0.3888	0.1522	0.5111	0.0185	0.15082	0.24326
Nitrogen Dioxide	TM3	12	7	15	70	51	98	0.0027	0.0117	0.1078	0.0894	0.4319	0.6445	0.3244		0.0745	0.0617	0.2188	0.5064	1.0576	0.399	0.1557	0.5179	0.0186	0.15579	0.25127
Nitrogen Dioxide	TM3	12	8	15	69	37	299	0.0031	0.0134	0.1261	0.1047	0.5053	0.777	0.4099		0.0916	0.0768	0.27	0.6251	1.2711	0.5003	0.1898	0.6467	0.0196	0.16955	0.27347
Nitrogen Dioxide	TM3	12	9	16	65	35	884	0.0031	0.0135	0.1294	0.11	0.5187	0.8003	0.4267		0.0948	0.0797	0.2797	0.6476	1.3108	0.5203	0.1964	0.6725	0.0196	0.3836	0.6187
Nitrogen Dioxide	TM3	12	10	17	62	35	1144	0.003	0.0132	0.1291	0.1098	0.5174	0.7973	0.4256		0.0945	0.0794	0.279	0.646	1.3076	0.519	0.1959	0.6709	0.0194	0.40798	0.65803
Nitrogen Dioxide	TM3	12	11	18	58	35	1136	0.003	0.013	0.129	0.1098	0.5174	0.7964	0.4257		0.0945	0.0794	0.279	0.6461	1.3077	0.519	0.1959	0.6709	0.0192	0.35479	0.57225
Nitrogen Dioxide	TM3	12	12	19	57	44	1079	0.0026	0.0115	0.1147	0.0963	0.4601	0.6938	0.3578		0.081	0.0673	0.2389	0.5531	1.141	0.4383	0.1689	0.5661	0.018	0.29856	0.48155
Nitrogen Dioxide	TM3	12	13	19	56	44	1012	0.0026	0.0116	0.1149	0.0965	0.4612	0.6956	0.3586		0.0812	0.0675	0.2395	0.5544	1.1437	0.4394	0.1693	0.5674	0.0181	0.30814	0.49699
Nitrogen Dioxide	TM3	12	14	19	56	43	934	0.0027	0.0117	0.1162	0.0977	0.4664	0.7047	0.3646		0.0824	0.0685	0.2431	0.5628	1.1587	0.4465	0.1717	0.5767	0.0182	0.30521	0.49228
Nitrogen Dioxide	TM3	12	15	19	56	41	1093	0.0027	0.0119	0.1189	0.1003	0.4773	0.724	0.3775		0.085	0.0708	0.2507	0.5805	1.1904	0.4617	0.1768	0.5968	0.0183	0.31841	0.51356
Nitrogen Dioxide	TM3	12	16	19	57	41	1088	0.0027	0.0119	0.1187	0.1001	0.4761	0.7221	0.3766		0.0848	0.0706	0.2501	0.5791	1.1876	0.4606	0.1764	0.5952	0.0183	0.32214	0.51959
Nitrogen Dioxide	TM3	12	17	18	60	34	1076	0.003	0.0131	0.1305	0.1112	0.5225	0.8058	0.433		0.0958	0.0807	0.283	0.6555	1.3236	0.5277	0.1987	0.6821	0.0192	0.36498	0.58868
Nitrogen Dioxide	TM3	12	18	18	64	29	1029	0.0032	0.0138	0.1409	0.122	0.561	0.8754	0.4832		0.1051	0.0922	0.3111	0.7205	1.437	0.5873	0.2179	0.7595	0.0195	0.38819	0.62612
Nitrogen Dioxide	TM3	12	19	17	65	31	907	0.0032	0.0138	0.1365	0.117	0.5455	0.8487	0.4629		0.1015	0.0861	0.3	0.6948	1.3924	0.5633	0.2103	0.7283	0.0196	0.33632	0.54277
Nitrogen Dioxide	TM3	12	20	17	66	41	583	0.0028	0.0122	0.1187	0.0999	0.4752	0.7222	0.3758		0.0847	0.0705	0.2496	0.578	1.1852	0.4597	0.176	0.594	0.0185	0.17462	0.28164
Nitrogen Dioxide	TM3	12	21	17	66	44	494	0.0027	0.0118	0.1147	0.0962	0.4592	0.6998	0.357		0.0809	0.0675	0.2384	0.5522	1.1367	0.4375	0.1683	0.5649	0.0183	0.16972	0.27318
Nitrogen Dioxide	TM3	12	22	16	66	50	207	0.0026	0.0116	0.1086	0.0903	0.4356	0.6523	0.3287		0.0754	0.0624	0.2214	0.5124	1.0685	0.404	0.1574	0.5209	0.0184	0.20791	0.33534
Nitrogen Dioxide	TM3	12	23	16	66	51	124	0.0026	0.0115	0.1076	0.0894	0.4314	0.6451	0.3241		0.0744	0.0616	0.2186	0.5059	1.0566	0.3986	0.1555	0.5174	0.0184	0.23483	0.37875
Nitrogen Dioxide	TM3	12	24	16	67	52	85	0.0026	0.0114	0.1065	0.0884	0.4266	0.6367	0.3191		0.0734	0.0607	0.2154	0.4986	1.043	0.3927	0.1534	0.5129	0.0183	0.29765	0.48008
Nitrogen Dioxide	TM5	1	1	17	76	52	40	0.0024	0.0107	0.1043	0.0866	0.4149	0.6171	0.3103		0.0712	0.0589	0.2094	0.4848	1.0143	0.3818	0.1492	0.4988	0.0172	0.2125	0.34273
Nitrogen Dioxide	TM5	1	2	17	77	53	25	0.0023	0.0105	0.1033	0.0857	0.4102	0.6091	0.3055		0.0703	0.0581	0.2064	0.4778	1.0012	0.3762	0.1472	0.4945	0.0171	0.14702	0.23712
Nitrogen Dioxide	TM5	1	3	17	77	53	23	0.0024	0.0105	0.1033	0.0857	0.4102	0.6091	0.3055		0.0702	0.0581	0.2064	0.4778	1.0012	0.3762	0.1472	0.4943	0.0171	0.157	0.25322
Nitrogen Dioxide	TM5	1	4	17	77	53	21	0.0024	0.0105	0.1033	0.0857	0.4102	0.6091	0.3055		0.0702	0.0581	0.2064	0.4778	1.0012	0.3762	0.1472	0.4945	0.0171	0.18468	0.29786
Nitrogen Dioxide	TM5	1	5	17	78	53	21	0.0024	0.0105	0.1031	0.0855	0.4093	0.6077	0.3049		0.0701	0.058	0.206	0.4768	0.9991	0.3754	0.1469	0.4935	0.0171	0.16134	0.26023
Nitrogen Dioxide	TM5	1	6	17	77	53	44	0.0024	0.0105	0.1033	0.0857	0.4102	0.6091	0.3055		0.0702	0.0581	0.2064	0.4778	1.0012	0.3762	0.1472	0.4945	0.0171	0.14606	0.23558
Nitrogen Dioxide	TM5	1	7	16	77	51	97	0.0025	0.0111	0.106	0.088	0.4225	0.6303	0.3172		0.0728	0.0603	0.2139	0.4951	1.0341	0.3902	0.1522	0.5064	0.0177	0.1539	0.24822
Nitrogen Dioxide	TM5	1	8	17	77	35	296	0.0029	0.0126	0.1262	0.1073	0.5014	0.7708	0.4124		0.0913	0.0769	0.2703	0.6261	1.2671	0.5029	0.1898	0.6501	0.0183	0.16513	0.26634
Nitrogen Dioxide	TM5	1	9	17	73	34	741	0.003	0.0129	0.1288	0.1097	0.5128	0.7907	0.425		0.094	0.0792	0.2778	0.6434	1.2991	0.5179	0.195	0.6695	0.0187	0.3656	0.58967
Nitrogen Dioxide	TM5	1	10	19	69	34	845	0.0028	0.0122	0.1275	0.1088	0.5066	0.7785	0.4198		0.0927	0.0781	0.2744	0.6356	1.2834	0.5117	0.1926	0.6614	0.018	0.37791	0.60953
Nitrogen Dioxide	TM5	1	11	20	64	33	832	0.0028	0.0123	0.1295	0.1107	0.5149	0.7924	0.4299		0.0946	0.0798	0.2802	0.6491	1.3075	0.5237	0.1966	0.677	0.018	0.32296	0.5209
Nitrogen Dioxide	TM5	1	12	21	62	42	801	0.0025	0.0109	0.1145	0.0965	0.4554	0.686	0.3581		0.0806	0.067	0.2382	0.5517	1.1336	0.4382	0.1682	0.5661	0.0169	0.26875	0.43347
Nitrogen Dioxide	TM5	1	13	21	61	42	744	0.0025	0.011	0.1147	0.0967	0.4567	0.6881	0.3591		0.0808	0.0672	0.2389	0.5532	1.1368	0.4395	0.1686	0.5677	0.017	0.28018	0.4519
Nitrogen Dioxide	TM5	1	14	21	62	42	693	0.0025	0.0111	0.1145	0.0965	0.4554	0.686	0.3581		0.0808	0.067	0.2382	0.5517	1.1336	0.4382	0.1682	0.5661	0.0169	0.27122	0.43747
Nitrogen Dioxide	TM5	1	15	21	62	41	803	0.0025	0.011	0.1159	0.0978	0.4607	0.6954	0.3644		0.0818	0.0682	0.242	0.5604	1.1492	0.4457	0.1707	0.5759	0.0169	0.2785	0.4492
Nitrogen Dioxide	TM5	1	16	21	63	44	804	0.0024	0.0107	0.1117	0.0939	0.444	0.6661	0.3452		0.078	0.0648	0.2305	0.5337	1.101	0.423	0.163	0.5462	0.0167	0.27322	0.44067
Nitrogen Dioxide	TM5	1	17	20	67	33	768	0.0028	0.0121	0.1288	0.1101	0.5109	0.7857	0.4266		0.0939	0.0792	0.278	0.644	1.2973	0.5196	0.1951	0.6718	0.0177	0.32152	0.51858
Nitrogen Dioxide	TM5	1	18	19	72	33	755	0.0028	0.0122	0.1288	0.11	0.5103	0.7856	0.4261		0.0938	0.0792	0.2777	0.6433	1.2958	0.519	0.1949	0.6711	0.0179	0.31109	0.50176
Nitrogen Dioxide	TM5	1	19	18	74	33	798	0.0029	0.0126	0.1294	0.1105	0.5137	0.7922	0.4289		0.0945	0.0797	0.2796	0.6476	1.3044	0.5225	0.1962	0.6754	0.0182	0.30516	0.49219
Nitrogen Dioxide	TM5	1	20	18	74	34	552	0.0028	0.0124	0.1275	0.1087	0.5063	0.7788	0.4195		0.0927	0.0781	0.2742	0.6351	1.2825	0.5113	0.1925	0.663	0.0181	0.19	0.30645
Nitrogen Dioxide	TM5	1	21	18	75	34	468	0.0028	0.0124	0.1273	0.1085	0.5051	0.7769	0.4186		0.0925	0.0779	0.2736	0.6337	1.2795	0.5101	0.1921	0.6594	0.018	0.19371	0.31244
Nitrogen Dioxide	TM5	1	22	18	76	50	186	0.0024	0.0105	0.1053	0.0877	0.4181	0.6227	0.3155		0.0721	0.0597	0.2124	0.4919	1.0256	0.3878	0.1511	0.5	0.0168	0.20965	0.33815
Nitrogen Dioxide	TM5	1	23	18	75	51	104	0.0024	0.0104	0.1045	0.0869	0.4151	0.6173	0.3118		0.0714	0.0591	0.2102	0.4867	1.0165	0.3835	0.1496	0.4977	0.0169	0.25032	0.40375
Nitrogen Dioxide	TM5	1	24	17	76	52	71	0.0024	0.0107	0.1043	0.0866	0.4149	0.6171	0.3103		0.0712	0.0589	0.2094	0.4848	1.0143	0.3818	0.1492	0.4988	0.0172	0.32882	0.53035
Nitrogen Dioxide	TM5	2	1	17	78	52	40	0.0024	0.0106	0.1041	0.0864	0.4131	0.6148	0.3096		0.0709	0.0587	0.2085	0.4828	1.0099	0.3802	0.1485	0.4967	0.0171	0.2116	0.34129
Nitrogen Dioxide	TM5	2	2	17	80	53	25	0.0024	0.0104	0.1028	0.0853	0.4076	0.6049	0.3036		0.0697	0.0577	0.2051	0.4748	0.9948	0.3738	0.1463	0.4914	0.0169	0.14611	0.23566
Nitrogen Dioxide	TM5	2	3	17	81	53	23	0.0024	0.0104	0.1026	0.0851	0.4067	0.6035	0.3029		0.0696	0.0576	0.2047	0.4737	0.9927	0.373	0.146	0.4903	0.0169	0.1557	0.25113
Nitrogen Dioxide	TM5	2	4	17	82	53	21	0.0024	0.0103	0.1025	0.085	0.4058	0.6021	0.3023		0.0694	0.0575	0.2042	0.4727	0.9906	0.3721	0.1457	0.4893	0.0168	0.18275	0.29476
Nitrogen Dioxide	TM5	2	5	16	83	53	21	0.0025	0.0107	0.1032	0.0856	0.4086	0.6088	0.3051		0.0701	0.0581	0.2061	0.4771	0.9998	0.3756	0.147	0.4938	0.0172	0.16151	0.26051
Nitrogen Dioxide	TM5	2	6	16	83	53	44	0.0025	0.0107	0.1032	0.0856	0.4092	0.6098	0.3051		0.0701	0.0581	0.2061	0.4771	0.9998	0.3756	0.147	0.4938	0.0172	0.23534	0.14591
Nitrogen Dioxide	TM5	2	7	16	83	51	97	0.0025	0.0108	0.105	0.0873	0.4173	0.6222	0.3135		0.0719	0.0595	0.2113	0.4892	1.0218	0.3855	0.1504	0.5003	0.0173	0.15212	0.24536
Nitrogen Dioxide	TM5	2	8	17	81	35	286	0.0028	0.0123	0.1254	0.1066	0.4971	0.7635	0.4089		0.0906	0.0762	0.268	0.6207	1.2562	0.4986	0.1882	0.6445	0.018	0.16367	0.26399
Nitrogen Dioxide	TM5	2	9	18	77	34	741	0.0028	0.0123	0.1269	0.1082	0.5028	0.773	0.4166		0.092	0.0775	0.2723	0.6308	1.2736	0.5078	0.1912	0.6564	0.0179	0.35782	0.57713
Nitrogen Dioxide	TM5	2	10	19	73	34	845	0.0028	0.012	0.1266	0.108	0.5017	0.7703	0.4157		0.0918	0.0773	0.2717	0.6294	1.2708	0.5067	0.1907	0.655	0.0177	0.37407	0.60334
Nitrogen Dioxide	TM5	2	11	20	68	33	832	0.0027	0.0119	0.1281	0.1095	0.5068	0.7791	0.4232		0.0931	0.0786	0.2758	0.639	1.2871	0.5155	0.1936	0.6665	0.0175	0.31776	0.51252
Nitrogen Dioxide	TM5	2	12	20	68	42	801	0.0025	0.0109	0.1141	0.0961	0.4532	0.6832	0.3563		0.0803	0.0667	0.2371	0.5497	1.1281	0.4361	0.1673	0.5634	0.0169	0.26758	0.43158
Nitrogen Dioxide	TM5	2	13	21	65	42	744	0.0025	0.0108	0.1138	0.0959	0.4516	0.6798	0.3551		0.0799	0.0665	0.2362	0.5471	1.1241	0.4346	0.1667	0.5614	0.0166	0.27697	0.44672
Nitrogen Dioxide	TM5	2	14	21	65	42	693	0.0025	0.0108	0.1138	0.0959	0.4516	0.6798	0.3551		0.0799	0.0665	0.2362	0.5471	1.1241	0.4346	0.1667	0.5614	0.0166	0.2689	0.43371
Nitrogen Dioxide	TM5	2	15	21	66	41	803	0.0025	0.0108	0.1149	0.097	0.4556	0.687	0.3603		0.0809	0.0674	0.2393	0.5542	1.1364	0.4408	0.1688	0.5695	0.0166	0.27531	0.44405
Nitrogen Dioxide	TM5	2	16	20	68	44	804	0.0024	0.0106	0.1115	0.0937	0.4431	0.6654	0.3445		0.0778	0.0647	0.23	0.5327	1.0988	0.4221	0.1626	0.5451	0.0167	0.2728	0.43999
Nitrogen Dioxide	TM5	2	17	20	70	33	768	0.0027	0.0119	0.1281	0.1095	0.5068	0.7791	0.4232		0.0931	0.0786	0.2758	0.639	1.2871	0.5155	0.1936	0.6665	0.0175	0.3189	0.51435
Nitrogen Dioxide	TM5	2	18	19	72	33	755	0.0028	0.0121	0.1283	0.1096	0.5078	0.7814	0.424		0.0933	0.0788	0.2764	0.6401	1.2894	0.5165	0.1939	0.6677	0.0177	0.30951	0.49921
Nitrogen Dioxide	TM5	2	19	18	76	33	798	0.0029	0.0125	0.129	0.1102	0.5113	0.7882	0.427		0.094	0.0794	0.2783	0.6446	1.2985	0.5201	0.1953	0.6724	0.0181	0.30373	0.48989
Nitrogen Dioxide	TM5	2	20	18	78	34	552	0.0028	0.0122	0.1267	0.108	0.5016	0.7711	0.4157		0.0918	0.0773	0.2717	0.6293	1.2707	0.5066	0

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:
(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.
(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Dioxide	TM5	5	7	26	91	51	97	0.0017	0.0073	0.0911	0.0761	0.3418	0.4969	0.2568		0.058	0.0481	0.1729	0.4008	0.837	0.3158	0.1232	0.4098	0.011	0.12531	0.20211
Nitrogen Dioxide	TM5	5	8	27	85	35	286	0.002	0.0086	0.1098	0.0935	0.4112	0.6166	0.3383		0.074	0.0624	0.2215	0.5135	1.0393	0.4125	0.1557	0.5332	0.0118	0.1348	0.21742
Nitrogen Dioxide	TM5	5	9	28	80	34	741	0.002	0.0088	0.1115	0.095	0.417	0.6268	0.3456		0.0754	0.0636	0.2257	0.5232	1.0564	0.4212	0.1586	0.5445	0.0118	0.2932	0.47303
Nitrogen Dioxide	TM5	5	10	28	78	34	843	0.0021	0.009	0.1123	0.0957	0.4214	0.6334	0.3492		0.0762	0.0643	0.228	0.5287	1.0675	0.4256	0.1602	0.5502	0.0121	0.3073	0.50118
Nitrogen Dioxide	TM5	5	11	29	77	33	832	0.0021	0.0089	0.1125	0.096	0.4192	0.631	0.35		0.0761	0.0644	0.2279	0.5285	1.0645	0.4264	0.1601	0.5512	0.0117	0.26066	0.42042
Nitrogen Dioxide	TM5	5	12	29	75	42	801	0.0019	0.0082	0.1006	0.0847	0.377	0.5571	0.2965		0.066	0.055	0.197	0.4568	0.9386	0.3628	0.1392	0.4687	0.0114	0.22087	0.35624
Nitrogen Dioxide	TM5	5	13	29	74	42	744	0.0019	0.0083	0.1009	0.085	0.3791	0.5605	0.2981		0.0663	0.0553	0.1981	0.4593	0.9438	0.3649	0.14	0.4713	0.0116	0.2309	0.37242
Nitrogen Dioxide	TM5	5	14	29	75	42	693	0.0019	0.0082	0.1006	0.0847	0.377	0.5571	0.2965		0.066	0.055	0.197	0.4568	0.9386	0.3628	0.1392	0.4687	0.0114	0.22302	0.3597
Nitrogen Dioxide	TM5	5	15	29	75	41	803	0.0019	0.0083	0.1017	0.0858	0.3815	0.5648	0.3017		0.067	0.0559	0.2002	0.464	0.9515	0.3691	0.1413	0.4768	0.0115	0.22904	0.36942
Nitrogen Dioxide	TM5	5	16	29	77	44	804	0.0018	0.0079	0.0975	0.0782	0.3648	0.5361	0.2834		0.0633	0.0527	0.1889	0.4382	0.904	0.3473	0.1338	0.4485	0.0111	0.22263	0.35908
Nitrogen Dioxide	TM5	5	17	28	78	33	768	0.0021	0.0091	0.1139	0.0973	0.4276	0.6448	0.357		0.0777	0.0657	0.2325	0.5391	1.0858	0.4349	0.1633	0.5622	0.0122	0.26693	0.43053
Nitrogen Dioxide	TM5	5	18	28	81	33	755	0.0021	0.0088	0.1127	0.0962	0.4209	0.6338	0.3515		0.0764	0.0647	0.2289	0.5307	1.0689	0.4281	0.1607	0.5535	0.0118	0.25446	0.41042
Nitrogen Dioxide	TM5	5	19	27	84	33	798	0.0021	0.0089	0.1135	0.0969	0.4253	0.641	0.3551		0.0773	0.0654	0.2312	0.5362	1.08	0.4326	0.1624	0.5592	0.012	0.25066	0.4043
Nitrogen Dioxide	TM5	5	20	27	87	34	552	0.002	0.0086	0.1107	0.0944	0.413	0.6201	0.3422		0.0746	0.0663	0.2234	0.5181	1.0461	0.4171	0.157	0.5392	0.0116	0.15541	0.25067
Nitrogen Dioxide	TM5	5	21	27	88	34	468	0.002	0.0085	0.1103	0.0941	0.4119	0.6167	0.3405		0.0742	0.0627	0.2223	0.5155	1.0409	0.415	0.1562	0.5363	0.0115	0.15828	0.25528
Nitrogen Dioxide	TM5	5	22	26	89	50	186	0.0017	0.0074	0.0926	0.0773	0.3483	0.5076	0.2628		0.0593	0.0492	0.1768	0.4097	0.8543	0.3231	0.1258	0.4165	0.0112	0.17481	0.28194
Nitrogen Dioxide	TM5	5	23	26	89	51	104	0.0017	0.0074	0.0917	0.0765	0.345	0.502	0.2592		0.0586	0.0486	0.1745	0.4045	0.8448	0.3187	0.1244	0.4137	0.0112	0.20818	0.33578
Nitrogen Dioxide	TM5	5	24	26	90	52	71	0.0017	0.0073	0.0906	0.0755	0.3402	0.494	0.2545		0.0576	0.0477	0.1715	0.3976	0.8317	0.3131	0.1224	0.409	0.0111	0.26967	0.43495
Nitrogen Dioxide	TM5	6	1	28	88	52	40	0.0016	0.0068	0.088	0.0733	0.3253	0.4703	0.2433		0.0549	0.0455	0.164	0.3801	0.7952	0.2994	0.117	0.3911	0.01	0.16665	0.26879
Nitrogen Dioxide	TM5	6	2	27	89	53	25	0.0016	0.007	0.0885	0.0737	0.3298	0.4773	0.2457		0.0556	0.0461	0.1658	0.3842	0.8051	0.3025	0.1184	0.3976	0.0105	0.11885	0.1917
Nitrogen Dioxide	TM5	6	3	27	89	53	23	0.0016	0.007	0.0885	0.0737	0.3298	0.4773	0.2457		0.0556	0.0461	0.1658	0.3842	0.8051	0.3025	0.1184	0.3976	0.0105	0.12693	0.20473
Nitrogen Dioxide	TM5	6	4	27	88	53	21	0.0016	0.007	0.0888	0.074	0.3315	0.4799	0.2469		0.0559	0.0463	0.1666	0.3861	0.8091	0.304	0.119	0.3996	0.0107	0.15007	0.24205
Nitrogen Dioxide	TM5	6	5	27	89	53	21	0.0016	0.007	0.0885	0.0737	0.3298	0.4773	0.2457		0.0556	0.0461	0.1658	0.3842	0.8051	0.3025	0.1184	0.3976	0.0105	0.13054	0.21055
Nitrogen Dioxide	TM5	6	6	27	90	53	44	0.0016	0.0069	0.0882	0.0735	0.3282	0.4746	0.2444		0.0553	0.0458	0.1649	0.3823	0.801	0.3009	0.1178	0.3956	0.0104	0.1182	0.19065
Nitrogen Dioxide	TM5	6	7	28	87	51	97	0.0016	0.0069	0.0891	0.0743	0.3301	0.4784	0.248		0.0559	0.0464	0.167	0.3871	0.8084	0.305	0.119	0.3959	0.0102	0.12122	0.19552
Nitrogen Dioxide	TM5	6	8	29	82	35	286	0.0019	0.0082	0.1071	0.0911	0.3959	0.5914	0.3257		0.0711	0.0599	0.2132	0.4943	1.0005	0.3971	0.1499	0.5133	0.0109	0.12978	0.20933
Nitrogen Dioxide	TM5	6	9	29	79	34	741	0.002	0.0086	0.111	0.0937	0.4085	0.6127	0.3383		0.0738	0.0625	0.221	0.5125	1.0348	0.4126	0.1553	0.5333	0.0113	0.26701	0.44292
Nitrogen Dioxide	TM5	6	10	30	76	34	845	0.002	0.0086	0.1093	0.0931	0.4046	0.6063	0.3353		0.073	0.0617	0.2189	0.5076	1.025	0.4086	0.1538	0.5283	0.0111	0.29776	0.48026
Nitrogen Dioxide	TM5	6	11	30	75	33	832	0.002	0.0088	0.1114	0.095	0.413	0.6208	0.3449		0.0749	0.0634	0.2246	0.5207	1.0489	0.4201	0.1577	0.5431	0.0113	0.25668	0.414
Nitrogen Dioxide	TM5	6	12	30	74	42	801	0.0018	0.008	0.0993	0.0836	0.3696	0.5451	0.2906		0.0646	0.0539	0.1931	0.4478	0.9201	0.3557	0.1365	0.4595	0.011	0.21637	0.34899
Nitrogen Dioxide	TM5	6	13	31	73	42	744	0.0018	0.0078	0.0979	0.0824	0.362	0.5328	0.2846		0.0632	0.0528	0.1891	0.4385	0.9011	0.3483	0.1337	0.45	0.0105	0.22014	0.35507
Nitrogen Dioxide	TM5	6	14	31	72	42	693	0.0018	0.0079	0.0983	0.0828	0.3643	0.5366	0.2865		0.0636	0.0531	0.1904	0.4414	0.9069	0.3506	0.1345	0.4529	0.0106	0.21529	0.34724
Nitrogen Dioxide	TM5	6	15	30	74	41	803	0.0019	0.0081	0.1004	0.0847	0.3739	0.5526	0.2957		0.0656	0.0548	0.1962	0.4549	0.9327	0.3618	0.1383	0.4674	0.011	0.2244	0.36193
Nitrogen Dioxide	TM5	6	16	30	74	44	804	0.0018	0.0078	0.097	0.0815	0.3614	0.531	0.281		0.0627	0.0522	0.1874	0.4344	0.8961	0.3443	0.1326	0.4446	0.0109	0.22065	0.35588
Nitrogen Dioxide	TM5	6	17	30	75	33	768	0.002	0.0088	0.1114	0.095	0.413	0.6208	0.3449		0.0749	0.0634	0.2246	0.5207	1.0489	0.4201	0.1577	0.5431	0.0113	0.25756	0.41543
Nitrogen Dioxide	TM5	6	18	29	79	33	755	0.002	0.0087	0.1116	0.0953	0.4145	0.6232	0.3461		0.0752	0.0636	0.2253	0.5225	1.0525	0.4216	0.1583	0.545	0.0114	0.25047	0.40398
Nitrogen Dioxide	TM5	6	19	29	81	33	798	0.002	0.0085	0.1107	0.0945	0.4098	0.6154	0.3422		0.0743	0.0629	0.2228	0.5166	1.0406	0.4168	0.1565	0.5388	0.0111	0.24131	0.3892
Nitrogen Dioxide	TM5	6	20	28	85	33	552	0.002	0.0086	0.1103	0.094	0.4105	0.6116	0.3402		0.0742	0.0626	0.2221	0.515	1.0398	0.4146	0.1561	0.5359	0.0115	0.15453	0.24924
Nitrogen Dioxide	TM5	6	21	28	85	34	468	0.0019	0.0084	0.1095	0.0933	0.4061	0.6087	0.3365		0.0733	0.0619	0.2197	0.5095	1.0287	0.4101	0.1544	0.5302	0.0112	0.15647	0.25237
Nitrogen Dioxide	TM5	6	22	28	86	50	186	0.0016	0.007	0.0902	0.0754	0.3351	0.4866	0.2529		0.0569	0.0472	0.1701	0.3942	0.822	0.3108	0.1211	0.4007	0.0103	0.16828	0.27142
Nitrogen Dioxide	TM5	6	23	28	87	51	104	0.0016	0.0069	0.0891	0.0743	0.3301	0.4784	0.248		0.0559	0.0464	0.167	0.3871	0.8084	0.305	0.119	0.3959	0.0102	0.19929	0.32143
Nitrogen Dioxide	TM5	6	24	28	87	52	71	0.0016	0.0069	0.0883	0.0736	0.3271	0.4732	0.2446		0.0552	0.0458	0.1649	0.3822	0.7996	0.301	0.1176	0.3932	0.0102	0.25928	0.41819
Nitrogen Dioxide	TM5	7	1	28	84	52	40	0.0016	0.0071	0.0893	0.0744	0.3324	0.4817	0.2486		0.0562	0.0466	0.1676	0.3885	0.8127	0.3059	0.1196	0.3997	0.0105	0.17029	0.27466
Nitrogen Dioxide	TM5	7	2	28	86	53	25	0.0016	0.007	0.0885	0.0737	0.3294	0.4765	0.2453		0.0555	0.046	0.1655	0.3839	0.8039	0.302	0.1182	0.3971	0.0105	0.11871	0.19146
Nitrogen Dioxide	TM5	7	3	28	86	53	23	0.0016	0.0069	0.0879	0.0732	0.3258	0.4709	0.2427		0.0549	0.0455	0.1637	0.3796	0.7953	0.2988	0.117	0.3928	0.0103	0.1255	0.20241
Nitrogen Dioxide	TM5	7	4	28	88	53	21	0.0016	0.0069	0.0879	0.0732	0.3258	0.4709	0.2427		0.0549	0.0455	0.1637	0.3796	0.7953	0.2988	0.117	0.3928	0.0103	0.14764	0.23813
Nitrogen Dioxide	TM5	7	5	28	88	53	21	0.0016	0.0067	0.0872	0.0726	0.3223	0.4653	0.2401		0.0542	0.045	0.162	0.3754	0.7867	0.2956	0.1157	0.3886	0.01	0.12766	0.2059
Nitrogen Dioxide	TM5	7	6	27	88	53	44	0.0016	0.007	0.0888	0.074	0.3315	0.4799	0.2469		0.0559	0.0463	0.1666	0.3861	0.8091	0.304	0.119	0.3996	0.0107	0.11931	0.19244
Nitrogen Dioxide	TM5	7	7	28	86	51	97	0.0016	0.007	0.0894	0.0746	0.3335	0.4812	0.2494		0.0563	0.0466	0.1679	0.3892	0.8128	0.3067	0.1197	0.4013	0.0103	0.12185	0.19653
Nitrogen Dioxide	TM5	7	8	29	81	35	286	0.0019	0.0083	0.1075	0.0915	0.3982	0.5952	0.3276		0.0715	0.0603	0.2144	0.4972	1.0063	0.3994	0.1508	0.5163	0.011	0.13054	0.21055
Nitrogen Dioxide	TM5	7	9	30	76	34	741	0.002	0.0086	0.1093	0.0931	0.4046	0.6063	0.3353		0.073	0.0617	0.2189	0.5076	1.025	0.4086	0.1538	0.5283	0.0111	0.28417	0.45834
Nitrogen Dioxide	TM5	7	10	31	70	34	845	0.0021	0.0089	0.1101	0.0938	0.4089	0.6134	0.3389		0.0739	0.0624	0.2213	0.513	1.0359	0.413	0.1555	0.5339	0.0114	0.30113	0.4857
Nitrogen Dioxide	TM5	7	11	31	68	33	832	0.0021	0.0092	0.1127	0.0961	0.4202	0.6327	0.3509		0.0763	0.0646	0.2285	0.5298	1.0672	0.4274	0.1605	0.5526	0.0118	0.26135	0.42153
Nitrogen Dioxide	TM5	7	12	32	67	42	801	0.0019	0.0081	0.0988	0.0831	0.3667	0.5403	0.2883		0.064	0.0535	0.1916	0.4442	0.9127	0.3528	0.1354	0.4558	0.0108	0.21464	0.34619
Nitrogen Dioxide	TM5	7	13	32	66	42	744	0.0019	0.0083	0.1009	0.0853	0.3692	0.5444	0.2903		0.0645	0.0539	0.1929	0.4472	0.9189	0.3553	0.1363	0.4589	0.0109	0.22471	0.36244
Nitrogen Dioxide	TM5	7	14	32	66	42	693	0.0019	0.0083	0.0993	0.0835	0.3692	0.5444	0.2903		0.0645	0.0539	0.1929	0.4472	0.9189	0.3553	0.1363	0.4589	0.0109	0.21829	0.35208
Nitrogen Dioxide	TM5	7	15	31	68	41	803	0.0019	0.0084	0.1012	0.0853	0.3782	0.5594	0.2991		0.0664	0.0555	0.1984	0.46	0.9433	0.3659	0.1401	0.4727	0.0113	0.22703	0.36617
Nitrogen Dioxide	TM5	7	16	31	69	44	804	0.0019	0.0081	0.0974	0.0817	0.3632	0.5338	0.2824		0.063	0.0525	0.1883	0.4365	0.9005	0.346	0.1333	0.4467	0.011	0.22181	0.35775
Nitrogen Dioxide	TM5	7	17	31	70	33	768	0.0021	0.009	0.1118	0.0953	0.4149	0.6239	0.3465		0.0753	0.0637	0.2256	0.5231	1.0537	0.422	0.1585	0.5456	0.0114	0.25883	0.41746
Nitrogen Dioxide	TM5	7	18	30	73	33	755	0.0021	0.009	0.1123	0.0958	0.4181	0.6291	0.3491		0.0759	0.0642	0.2273	0.527	1.0616	0.4252	0.1596	0.5497	0.0116	0.25274	0.40764
Nitrogen Dioxide	TM5	7	19	29	76	33	798	0.0021	0.0089	0.1129	0.0963	0.4213	0.6349	0.3522		0.0766	0.0648	0.2292	0.5314	1.0705	0.4286	0.1608	0.5538	0.0118	0.24845	0.40073
Nitrogen Dioxide	TM5	7	20	29	79	34	552	0.002	0.0086	0.11	0.0937	0.4085	0.6127	0.3385		0.0738	0.0623	0.221	0.5125	1.0348	0.4126	0.1553	0.5333	0.0113	0.15381	0.24809
Nitrogen Dioxide	TM5	7	21	29	81	34	468	0.0019	0.0084	0.1091	0.093	0.4038	0.605	0.3347		0.0729	0.0616	0.2185	0.5066	1.023	0.4079	0.1536	0.5273	0.0111	0.15565	0.25105
Nitrogen Dioxide	TM5	7	22	29	82	50	186	0.0016	0.007	0.0899	0.0751	0.3331	0.4835	0.2514		0.0566	0.047	0.169	0.3919	0.8171	0.309	0.1204	0.3984	0.0102	0.16733	0.26988
Nitrogen Dioxide	TM5	7	23	28	83	51	104	0.0017	0.0072	0.0904	0.0754	0.3373	0.4898	0.2534		0.0572	0.0474	0.1706	0.3955	0.826	0.3117	0.1216	0.4043	0.0107	0.20361	0.3284
Nitrogen Dioxide	TM5	7	24	28	84	52	71	0.0016	0.0071	0.0893	0.0744	0.3324	0.4817	0.2486		0.0562	0.0466	0.1676	0.3885	0.8127	0.3059	0.1196	0.3997	0.0105	0.25932	0.42503
Nitrogen Dioxide	TM5	8	1	27	90	52	40	0.0016	0.0069	0.089	0.0742	0.3312	0.4797	0.2477		0.0559	0.0464	0.167	0.387	0.8097	0.3048	0.1191	0.3982	0.0104	0.16962	0.27359
Nitrogen Dioxide	TM5	8	2	26	90	53	25	0.0017	0.0072	0.0898	0.0748	0.3371	0.4888	0.2511		0.0569	0.0471	0.1694	0.3927	0.8228	0.3091	0.121	0.4064	0.011	0.12138	0.19577
Nitrogen Dioxide	TM5	8	3	26	91	53	23	0.0017	0.0071	0.0895	0.0746	0.3355	0.4863	0.2499		0.0566	0.0469	0.1686	0.3908	0.819	0.3077	0.1204	0.4045	0.0109	0.12903	0.20811
Nitrogen Dioxide	TM5	8	4	26	92	53	21	0.0017	0.0071	0.0893	0.0744	0.334	0.4838	0.2487		0.0563	0.0467	0.1678	0.389	0.8152	0.3063	0.1199	0.4026	0.0108	0.13119	0.24385
Nitrogen Dioxide	TM5	8	5	26	93	53	21	0.0016	0.007	0.089	0.0741	0.3324	0.4813	0.2476		0.0556	0.0465	0.1671	0.3872	0.8114	0.3048	0.1193	0.4008	0.0107	0.13151	0.21211
Nitrogen Dioxide	TM5	8	6	26	93	53	44	0.0016	0.007	0.0887	0.0739	0.3308	0.4791	0.2464		0.0558	0.0462	0.1663	0.3854	0.8073	0.3034	0.1187	0.3989	0.0106	0.11909	0.19208
Nitrogen Dioxide	TM5	8	7	26	93	51	97	0.0017	0.0071	0.0906	0.0756	0.3386	0.4919	0.2544		0.0574	0.0476	0.1713	0.397	0.8292	0.3129	0.1221	0.406	0.0108	0.12419	0.20031
Nitrogen Dioxide	TM5	8	8	27	87	35	286	0.002	0.0084	0.1091	0.0929	0.4072	0.61	0.335		0.0733	0.0617	0.2193	0.5084	1.029	0.4084	0.1542	0.528	0.0115	0.13348	0.21528
Nitrogen Dioxide	TM5	8	9	29	81	34	741	0.0019	0.0084	0.1091	0.093	0.4038	0.605	0.3347		0.0729	0.0616	0.2185	0.5066	1.023	0.4079	0.1536	0.5273	0.0111	0.28356	0.45736
Nitrogen Dioxide	TM5	8	10	30	76	34	845	0.002	0.0086	0.1093	0.0931	0.4046	0.6063	0.3353		0.073	0.0617	0.2189	0.5076	1.025	0.4086	0.1538	0.5283	0.0111	0.29776	0.48026
Nitrogen Dioxide	TM5	8	11	30	73	33	832	0.002	0.0089	0.1123	0.0958	0.4181	0.6291	0.3491		0.0759	0.0642	0.2273	0.527	1.0616	0.4252	0.1596	0.5497	0.0116	0.25994	0.41926
Nitrogen Dioxide	TM5	8	12	30	73	42	801	0.0019	0.0081	0.0997	0.0839	0.3718	0.5487	0.2924		0.065	0.0542	0.1943	0.4505	0.9256	0.3578	0.1373	0.4622	0.0111	0.21774	0.3512
Nitrogen Dioxide	TM5	8	13	30	74	42	744	0.0018	0.008	0.0993	0.0836	0.3696	0.5451	0.2906		0.0646	0.0539	0.1931	0.4478	0.9201	0.3557	0.1365	0.4595	0.011	0.22492	0.36277
Nitrogen Dioxide	TM5	8	14	30	74	42	693	0.0018	0.008	0.0993	0.0836	0.3696	0.5451	0.2906		0.0646	0.0539	0.1931	0.4478	0.9201	0.3557	0.1365	0.4595	0.011	0.21848	0.35239
Nitrogen Dioxide	TM5	8	15	30	75	41	803	0.0018	0.008	0.1	0.0843	0.3717	0.5489	0.294		0.0652	0.0545	0.195	0.4521	0.9271	0.3596	0.1377	0.4646	0.0109	0.22298	0.35965
Nitrogen Dioxide	TM5	8	16	29	77	44	804	0.0018	0.0079	0.0975	0.082	0.3646	0.5361	0.2834		0.0633	0.0527	0.189	0.4382	0.904	0.3473	0.1338	0.4485	0.0111	0.22263	0.35908
Nitrogen Dioxide	TM5	8	17	29	79	33	768	0.002	0.0087	0.1116	0.0953	0.4145	0.6232	0.3461		0.0752	0.0636	0.2253	0.5225	1.0525	0.4216	0.1583	0.545	0.0114	0.25048	0.41691
Nitrogen Dioxide	TM5	8	18	28	80	33	755	0.0021	0.0089	0.1131	0.0966	0.4231	0.6375	0.3533		0.0769	0.065	0.2301	0.5335	1.0746	0.4304	0.1616	0.5564	0.0119	0.25585	0.41267
Nitrogen Dioxide	TM5	8	19	28	82	33	798	0.002	0.0088	0.1123	0.0959	0.4187	0.6302	0.3496		0.076	0.0643	0.2277	0.5279	1.0633	0.4259	0.1599	0.5506	0.0117	0.24669	0.39789
Nitrogen Dioxide	TM5	8	20	28	84	34	552	0.002	0.0085	0.1099	0.0937	0.4083	0.6124	0.3383		0.0737	0.0623	0.2209	0.5122	1.0343	0.4124	0.1552	0.5331	0.0113	0.15372	0.24793
Nitrogen Dioxide	TM5	8	21	27	85	34	468	0.002	0.0087	0.1114	0.095	0.4171	0.6269	0.3456		0.0754	0.0637	0.2257	0.5233	1.0566	0.4212	0.1586	0.5445	0.0118	0.16056	0.25897
Nitrogen Dioxide	TM5	8	22	27	87	50	186	0.0017	0.0073	0.0916	0.0765	0.3426	0.4986	0.2586		0.0583	0.0484	0.1739	0.4031	0.8404	0.3178	0.1238	0.4097	0.0108	0.17203	0.27747
Nitrogen Dioxide	TM5	8	23	27	88	51	104	0.0017	0.0071	0.0904	0.0755	0.3377	0.4904	0.2537		0.0573	0.0475	0.1708	0.3959	0.8269	0.312	0.1217	0.4049	0.0107	0.12081	0.19473
Nitrogen Dioxide	TM5	8	24	27	89	52	71	0.0016	0.007	0.0893	0.0745	0.3329	0.4824	0.249		0.0562	0.0467	0.1678	0.389	0.8138	0.3064	0.1197	0.4002	0.0106	0.26387	0.42559
Nitrogen Dioxide	TM5	9	1	27	89	52	40	0.0016	0.007	0.0893	0.0745	0.3329	0.4824	0.249		0.0562	0.0467	0.1678	0.389	0.8138	0.3064	0.1197	0.4002	0.0106	0.17049	0.27498
Nitrogen Dioxide	TM5	9	2	26	89

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:

(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.

(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Dioxide	TM5	11	12	25	56	42	801	0.0024	0.0105	0.1122	0.0945	0.4424	0.6629	0.3478		0.078	0.065	0.2313	0.5359	1.1012	0.4257	0.1634	0.5499	0.0156	0.26045	0.42007
Nitrogen Dioxide	TM5	11	13	25	56	42	744	0.0024	0.0105	0.1122	0.0945	0.4424	0.6629	0.3478		0.078	0.065	0.2313	0.5359	1.1012	0.4257	0.1634	0.5499	0.0156	0.27073	0.43666
Nitrogen Dioxide	TM5	11	14	26	56	42	693	0.0024	0.0103	0.1112	0.0936	0.4365	0.6533	0.3432		0.077	0.064	0.2283	0.5288	1.0865	0.42	0.1612	0.5426	0.0153	0.25929	0.4182
Nitrogen Dioxide	TM5	11	15	26	57	41	803	0.0024	0.0104	0.1122	0.0946	0.4398	0.6594	0.3479		0.078	0.0648	0.2309	0.535	1.0971	0.4255	0.1624	0.5498	0.0152	0.26518	0.42771
Nitrogen Dioxide	TM5	11	16	25	58	44	804	0.0023	0.0102	0.1091	0.0917	0.4293	0.6405	0.3338		0.0752	0.0625	0.2228	0.5161	1.0646	0.409	0.1576	0.5282	0.0153	0.26354	0.42507
Nitrogen Dioxide	TM5	11	17	24	63	33	768	0.0026	0.0114	0.1253	0.1071	0.4915	0.7505	0.4104		0.09	0.076	0.2674	0.6197	1.2482	0.4999	0.1877	0.6463	0.016	0.30827	0.49722
Nitrogen Dioxide	TM5	11	18	23	66	33	755	0.0026	0.0114	0.1257	0.1074	0.4933	0.7542	0.4119		0.0904	0.0763	0.2684	0.622	1.2528	0.5018	0.1884	0.6487	0.0162	0.29978	0.48352
Nitrogen Dioxide	TM5	11	19	23	70	33	798	0.0026	0.0112	0.1245	0.1064	0.4868	0.7434	0.4065		0.0891	0.0753	0.2649	0.6138	1.2363	0.4952	0.1859	0.6402	0.0158	0.28806	0.46461
Nitrogen Dioxide	TM5	11	20	22	70	34	552	0.0026	0.0113	0.1239	0.1057	0.4868	0.7431	0.4034		0.0888	0.0748	0.2636	0.6107	1.2331	0.4916	0.1851	0.6355	0.0163	0.18263	0.29457
Nitrogen Dioxide	TM5	11	21	22	72	34	468	0.0026	0.0112	0.1234	0.1052	0.4837	0.7382	0.4009		0.0882	0.0745	0.2619	0.6069	1.2254	0.4886	0.1839	0.6316	0.0161	0.18555	0.29927
Nitrogen Dioxide	TM5	11	22	22	74	50	186	0.0022	0.0094	0.1017	0.0848	0.3988	0.5893	0.301		0.0685	0.0567	0.2026	0.4692	0.9784	0.37	0.1441	0.477	0.0149	0.19995	0.32251
Nitrogen Dioxide	TM5	11	23	22	74	51	104	0.0021	0.0093	0.1007	0.084	0.3951	0.5827	0.2968		0.0676	0.056	0.2	0.4632	0.9674	0.365	0.1424	0.4737	0.0149	0.23821	0.38421
Nitrogen Dioxide	TM5	11	24	21	74	52	71	0.0022	0.0095	0.1009	0.084	0.397	0.586	0.297		0.0679	0.0562	0.2004	0.464	0.9707	0.3654	0.1428	0.4774	0.0154	0.31466	0.50752
Nitrogen Dioxide	TM5	12	1	16	68	52	40	0.0026	0.0113	0.1064	0.0882	0.4258	0.6354	0.3185		0.0732	0.0606	0.215	0.4976	1.041	0.3919	0.1532	0.5119	0.0182	0.21814	0.35185
Nitrogen Dioxide	TM5	12	2	16	69	53	25	0.0026	0.0112	0.1053	0.0873	0.4211	0.6273	0.3136		0.0722	0.0597	0.2119	0.4905	1.0278	0.3861	0.1511	0.5077	0.0181	0.1509	0.24338
Nitrogen Dioxide	TM5	12	3	16	69	53	23	0.0026	0.0112	0.1053	0.0873	0.4211	0.6273	0.3136		0.0722	0.0597	0.2119	0.4905	1.0278	0.3861	0.1511	0.5077	0.0181	0.16114	0.2599
Nitrogen Dioxide	TM5	12	4	15	70	53	21	0.0026	0.0115	0.1059	0.0877	0.424	0.6326	0.3158		0.0728	0.0602	0.2134	0.4939	1.0348	0.3888	0.1522	0.5111	0.0185	0.19081	0.30776
Nitrogen Dioxide	TM5	12	5	15	70	53	21	0.0026	0.0115	0.1059	0.0877	0.424	0.6326	0.3158		0.0728	0.0602	0.2134	0.4939	1.0348	0.3888	0.1522	0.5111	0.0185	0.16712	0.26955
Nitrogen Dioxide	TM5	12	6	15	70	53	44	0.0026	0.0115	0.1059	0.0877	0.424	0.6326	0.3158		0.0728	0.0602	0.2134	0.4939	1.0348	0.3888	0.1522	0.5111	0.0185	0.15082	0.24326
Nitrogen Dioxide	TM5	12	7	15	70	53	92	0.0027	0.0117	0.1078	0.0894	0.4319	0.6465	0.3244		0.0745	0.0617	0.2188	0.5064	1.0576	0.399	0.1557	0.5179	0.0186	0.15732	0.25382
Nitrogen Dioxide	TM5	12	8	15	69	53	266	0.0031	0.0138	0.1296	0.111	0.5191	0.8102	0.4227		0.095	0.0798	0.2799	0.6482	1.3119	0.5207	0.1966	0.6731	0.0198	0.17173	0.27629
Nitrogen Dioxide	TM5	12	9	16	65	34	741	0.0031	0.0137	0.1313	0.1118	0.526	0.8136	0.4359		0.0966	0.0813	0.285	0.6599	1.3326	0.5313	0.2	0.6868	0.0197	0.37567	0.60592
Nitrogen Dioxide	TM5	12	10	17	62	34	845	0.0031	0.0134	0.131	0.1116	0.5248	0.8106	0.4349		0.0963	0.0811	0.2843	0.6583	1.3293	0.53	0.1995	0.6851	0.0195	0.39272	0.63343
Nitrogen Dioxide	TM5	12	11	18	58	33	832	0.0031	0.0134	0.1329	0.1134	0.5325	0.8236	0.4446		0.0981	0.0828	0.2899	0.6713	1.3522	0.5416	0.2033	0.7002	0.0194	0.33486	0.54009
Nitrogen Dioxide	TM5	12	12	19	57	42	801	0.0027	0.0118	0.1173	0.0988	0.4706	0.7123	0.37		0.0835	0.0694	0.2462	0.5701	1.1715	0.4529	0.1738	0.585	0.0182	0.27838	0.449
Nitrogen Dioxide	TM5	12	13	19	56	42	744	0.0027	0.0118	0.1175	0.0989	0.4717	0.7141	0.3709		0.0837	0.0696	0.2468	0.5715	1.1743	0.454	0.1742	0.5864	0.0183	0.29006	0.46783
Nitrogen Dioxide	TM5	12	14	19	56	42	693	0.0027	0.0118	0.1175	0.0989	0.4717	0.7141	0.3709		0.0837	0.0696	0.2468	0.5715	1.1743	0.454	0.1742	0.5864	0.0183	0.28158	0.45415
Nitrogen Dioxide	TM5	12	15	19	56	41	803	0.0027	0.0119	0.1189	0.1003	0.4773	0.724	0.3775		0.085	0.0708	0.2507	0.5805	1.1904	0.4617	0.1768	0.5966	0.0183	0.28916	0.46638
Nitrogen Dioxide	TM5	12	16	19	57	44	804	0.0026	0.0115	0.1147	0.0963	0.4601	0.6938	0.3578		0.081	0.0673	0.2389	0.5531	1.141	0.4383	0.1689	0.5661	0.018	0.28382	0.45778
Nitrogen Dioxide	TM5	12	17	18	60	33	768	0.003	0.0133	0.1324	0.1131	0.5301	0.8197	0.4427		0.0977	0.0824	0.2886	0.6683	1.3462	0.5392	0.2024	0.6971	0.0193	0.33453	0.53957
Nitrogen Dioxide	TM5	12	18	18	64	33	755	0.003	0.0131	0.1316	0.1124	0.5254	0.8118	0.4382		0.0968	0.0816	0.286	0.6624	1.3343	0.5344	0.2002	0.6909	0.0191	0.32085	0.51749
Nitrogen Dioxide	TM5	12	19	17	65	33	798	0.0031	0.0134	0.1323	0.1129	0.5291	0.819	0.4418		0.0975	0.0823	0.2881	0.6671	1.3437	0.5382	0.2021	0.6958	0.0194	0.31479	0.50773
Nitrogen Dioxide	TM5	12	20	17	66	34	552	0.003	0.0132	0.1302	0.1109	0.5204	0.8033	0.4313		0.0955	0.0804	0.2819	0.6529	1.3183	0.5256	0.1979	0.6795	0.0192	0.19534	0.31506
Nitrogen Dioxide	TM5	12	21	17	66	34	468	0.003	0.0132	0.1302	0.1109	0.5204	0.8033	0.4313		0.0955	0.0804	0.2819	0.6529	1.3183	0.5256	0.1979	0.6795	0.0192	0.19955	0.32186
Nitrogen Dioxide	TM5	12	22	16	66	50	186	0.0026	0.0116	0.1086	0.0903	0.4356	0.6523	0.3287		0.0754	0.0624	0.2214	0.5124	1.0685	0.404	0.1574	0.5209	0.0184	0.21847	0.35236
Nitrogen Dioxide	TM5	12	23	16	66	51	104	0.0026	0.0115	0.1076	0.0894	0.4314	0.6451	0.3241		0.0744	0.0616	0.2186	0.5059	1.0566	0.3986	0.1555	0.5174	0.0184	0.26023	0.41973
Nitrogen Dioxide	TM5	12	24	16	67	52	71	0.0026	0.0114	0.1065	0.0884	0.4266	0.6367	0.3191		0.0734	0.0607	0.2154	0.4986	1.043	0.3927	0.1534	0.5129	0.0183	0.33817	0.54543
Nitrogen Dioxide	TM7	1	1	17	76	39	0	0.0027	0.012	0.1198	0.1012	0.4767	0.7263	0.3817		0.0853	0.0714	0.2525	0.5847	1.194	0.4664	0.1778	0.6017	0.018	0	0
Nitrogen Dioxide	TM7	1	2	17	77	39	0	0.0027	0.012	0.1196	0.101	0.4757	0.7246	0.3809		0.0853	0.0713	0.2519	0.5834	1.1914	0.4654	0.1774	0.6014	0.0179	0	0
Nitrogen Dioxide	TM7	1	3	17	77	39	0	0.0027	0.012	0.1196	0.101	0.4757	0.7246	0.3809		0.0853	0.0713	0.2519	0.5834	1.1914	0.4654	0.1774	0.6014	0.0179	0	0
Nitrogen Dioxide	TM7	1	4	17	77	39	0	0.0027	0.012	0.1196	0.101	0.4757	0.7246	0.3809		0.0853	0.0713	0.2519	0.5834	1.1914	0.4654	0.1774	0.6014	0.0179	0	0
Nitrogen Dioxide	TM7	1	5	17	78	39	0	0.0027	0.0119	0.1194	0.1009	0.4747	0.7229	0.38		0.0851	0.0711	0.2514	0.5822	1.1889	0.4644	0.177	0.6001	0.0179	0	0
Nitrogen Dioxide	TM7	1	6	17	77	39	0	0.0027	0.012	0.1196	0.101	0.4757	0.7246	0.3809		0.0853	0.0713	0.2519	0.5834	1.1914	0.4654	0.1774	0.6014	0.0179	0	0
Nitrogen Dioxide	TM7	1	7	17	77	39	2	0.0028	0.0124	0.1206	0.1018	0.4807	0.7317	0.3849		0.0863	0.0723	0.2546	0.5896	1.2034	0.4703	0.1793	0.6078	0.0184	0.00776	0.01226
Nitrogen Dioxide	TM7	1	8	17	77	39	21	0.0027	0.012	0.1196	0.101	0.4757	0.7246	0.3809		0.0853	0.0713	0.2519	0.5834	1.1914	0.4654	0.1774	0.6014	0.0179	0.3871	0.62435
Nitrogen Dioxide	TM7	1	9	17	73	39	47	0.0028	0.0121	0.1203	0.1017	0.4797	0.7313	0.3841		0.0861	0.0719	0.2541	0.5884	1.2016	0.4694	0.1789	0.6066	0.0182	0.36025	0.58105
Nitrogen Dioxide	TM7	1	10	19	69	39	55	0.0026	0.0115	0.1191	0.1008	0.4739	0.7201	0.3794		0.0849	0.0709	0.251	0.5813	1.187	0.4637	0.1767	0.5992	0.0175	0.35009	0.56466
Nitrogen Dioxide	TM7	1	11	20	64	39	31	0.0026	0.0114	0.1192	0.1009	0.4742	0.7206	0.3801		0.085	0.071	0.2514	0.5822	1.189	0.4644	0.177	0.6002	0.0174	0.35969	0.58015
Nitrogen Dioxide	TM7	1	12	21	62	39	24	0.0026	0.0113	0.1187	0.1005	0.472	0.7154	0.3779		0.0845	0.0705	0.25	0.579	1.1823	0.4618	0.176	0.5968	0.0171	0.38492	0.62085
Nitrogen Dioxide	TM7	1	13	21	61	39	24	0.0026	0.0113	0.119	0.1007	0.4734	0.7176	0.379		0.0847	0.0707	0.2507	0.5806	1.1856	0.4631	0.1765	0.5985	0.0173	0.38608	0.62272
Nitrogen Dioxide	TM7	1	14	21	62	39	24	0.0026	0.0113	0.1187	0.1005	0.472	0.7154	0.3779		0.0845	0.0705	0.25	0.579	1.1823	0.4618	0.176	0.5968	0.0171	0.38492	0.62085
Nitrogen Dioxide	TM7	1	15	21	62	39	31	0.0026	0.0113	0.1187	0.1005	0.472	0.7154	0.3779		0.0845	0.0705	0.25	0.579	1.1823	0.4618	0.176	0.5968	0.0171	0.35725	0.57621
Nitrogen Dioxide	TM7	1	16	21	63	39	24	0.0026	0.0112	0.1185	0.1003	0.4707	0.7133	0.3769		0.0842	0.0703	0.2493	0.5773	1.179	0.4605	0.1756	0.5952	0.017	0.38383	0.61908
Nitrogen Dioxide	TM7	1	17	20	67	39	24	0.0026	0.0113	0.1186	0.1003	0.471	0.7145	0.3771		0.0843	0.0704	0.2494	0.5777	1.1797	0.4608	0.1757	0.5955	0.0172	0.38435	0.61992
Nitrogen Dioxide	TM7	1	18	19	72	39	31	0.0026	0.0113	0.1185	0.1003	0.4705	0.7144	0.3767		0.0843	0.0704	0.2491	0.5771	1.1783	0.4603	0.1755	0.5948	0.0173	0.35659	0.57515
Nitrogen Dioxide	TM7	1	19	18	74	39	31	0.0027	0.0117	0.1192	0.1007	0.4736	0.7203	0.3792		0.0849	0.0709	0.2508	0.5809	1.1862	0.4634	0.1766	0.5988	0.0177	0.35941	0.5797
Nitrogen Dioxide	TM7	1	20	18	74	39	14	0.0027	0.0117	0.1192	0.1007	0.4736	0.7203	0.3792		0.0849	0.0709	0.2508	0.5809	1.1862	0.4634	0.1766	0.5988	0.0177	0.22239	0.3587
Nitrogen Dioxide	TM7	1	21	18	75	39	3	0.0027	0.0116	0.119	0.1006	0.4725	0.7186	0.3783		0.0847	0.0707	0.2502	0.5795	1.1835	0.4623	0.1762	0.5974	0.0176	0.2531	0.40823
Nitrogen Dioxide	TM7	1	22	18	76	39	0	0.0027	0.0116	0.1188	0.1004	0.4714	0.7168	0.3774		0.0845	0.0706	0.2497	0.5782	1.1808	0.4612	0.1758	0.596	0.0175	0	0
Nitrogen Dioxide	TM7	1	23	18	75	39	0	0.0027	0.0116	0.119	0.1006	0.4725	0.7186	0.3783		0.0847	0.0707	0.2502	0.5795	1.1835	0.4623	0.1762	0.5974	0.0176	0	0
Nitrogen Dioxide	TM7	1	24	17	76	39	0	0.0027	0.012	0.1198	0.1012	0.4767	0.7263	0.3817		0.0853	0.0714	0.2525	0.5847	1.194	0.4664	0.1778	0.6017	0.018	0	0
Nitrogen Dioxide	TM7	2	1	17	78	39	0	0.0027	0.0119	0.1194	0.1009	0.4747	0.7229	0.38		0.0851	0.0711	0.2514	0.5822	1.1889	0.4644	0.177	0.6001	0.0179	0	0
Nitrogen Dioxide	TM7	2	2	17	80	39	0	0.0027	0.0118	0.119	0.1006	0.4726	0.7196	0.3784		0.0848	0.0708	0.2503	0.5797	1.1838	0.4624	0.1763	0.5976	0.0177	0	0
Nitrogen Dioxide	TM7	2	3	17	81	39	0	0.0027	0.0118	0.1189	0.1004	0.4716	0.7179	0.3776		0.0846	0.0707	0.2498	0.5784	1.1813	0.4614	0.1759	0.5963	0.0177	0	0
Nitrogen Dioxide	TM7	2	4	17	82	39	0	0.0027	0.0117	0.1187	0.1003	0.4706	0.7162	0.3768		0.0844	0.0705	0.2492	0.5772	1.1787	0.4604	0.1755	0.595	0.0176	0	0
Nitrogen Dioxide	TM7	2	5	16	83	39	0	0.0028	0.0121	0.1195	0.1009	0.4775	0.7243	0.3803		0.0852	0.0712	0.2516	0.5826	1.1897	0.4647	0.1772	0.6006	0.0181	0	0
Nitrogen Dioxide	TM7	2	6	16	83	39	0	0.0028	0.0121	0.1195	0.1009	0.475	0.7243	0.3803		0.0852	0.0712	0.2516	0.5826	1.1897	0.4647	0.1772	0.6006	0.0181	0	0
Nitrogen Dioxide	TM7	2	7	16	83	39	2	0.0028	0.0121	0.1195	0.1009	0.475	0.7243	0.3803		0.0852	0.0712	0.2516	0.5826	1.1897	0.4647	0.1772	0.6006	0.0181	0.00745	0.01202
Nitrogen Dioxide	TM7	2	8	17	87	39	21	0.0027	0.0118	0.1189	0.1004	0.4716	0.7179	0.3776		0.0846	0.0707	0.2498	0.5784	1.1813	0.4614	0.1759	0.5963	0.0177	0.38357	0.61866
Nitrogen Dioxide	TM7	2	9	18	77	39	47	0.0026	0.0116	0.1186	0.1002	0.4703	0.715	0.3766		0.0843	0.0704	0.2491	0.5769	1.1781	0.4602	0.1754	0.5947	0.0174	0.35253	0.5686
Nitrogen Dioxide	TM7	2	10	19	73	39	55	0.0026	0.0113	0.1183	0.1001	0.4693	0.7125	0.3757		0.084	0.0702	0.2485	0.5756	1.1754	0.4592	0.175	0.5934	0.0172	0.34649	0.55885
Nitrogen Dioxide	TM7	2	11	21	70	39	31	0.0026	0.0111	0.1179	0.0998	0.4673	0.7074	0.3741		0.0836	0.0698	0.2475	0.5731	1.1704	0.4572	0.1743	0.5908	0.0169	0.35374	0.57054
Nitrogen Dioxide	TM7	2	12	20	68	39	24	0.0026	0.0112	0.1183	0.1001	0.4698	0.7125	0.3761		0.0841	0.0702	0.2488	0.5762	1.1766	0.4596	0.1752	0.594	0.0171	0.38329	0.61821
Nitrogen Dioxide	TM7	2	13	21	65	39	24	0.0026	0.0111	0.118	0.0999	0.4681	0.709	0.3748		0.0837	0.0699	0.2479	0.5741	1.1724	0.458	0.1746	0.5918	0.0168	0.38158	0.61544
Nitrogen Dioxide	TM7	2	14	21	65	39	24	0.0026	0.0111	0.118	0.0999	0.4681	0.709	0.3748		0.0837	0.0699	0.2479	0.5741	1.1724	0.458	0.1746	0.5918	0.0168	0.38158	0.61544
Nitrogen Dioxide	TM7	2	15	21	66	39	31	0.0025	0.0111	0.1178	0.0997	0.4668	0.7068	0.3737		0.0835	0.0697	0.2472	0.5725	1.1691	0.4567	0.1741	0.5902	0.0168	0.35304	0.56941
Nitrogen Dioxide	TM7	2	16	20	70	39	24	0.0026	0.0112	0.1183	0.1001	0.4698	0.7125	0.3761		0.0841	0.0702	0.2488	0.5762	1.1766	0.4596	0.1752	0.594	0.0171	0.38329	0.61821
Nitrogen Dioxide	TM7	2	17	20	70	39	24	0.0026	0.0111	0.1179	0.0998	0.4673	0.7084	0.3741		0.0836	0.0698	0.2475	0.5731	1.1704	0.4572	0.1743	0.5908	0.0169	0.38114	0.61474
Nitrogen Dioxide	TM7	2	18	19	74	39	31	0.0026	0.0113	0.1181	0.0999	0.4681	0.7106	0.3748		0.0838	0.07	0.2479	0.5742	1.1725	0.458	0.1746	0.5919	0.0171	0.35473	0.57214
Nitrogen Dioxide	TM7	2	19	18	76	39	31	0.0027	0.0116	0.1188	0.1004	0.4714	0.7168	0.3774		0.0845	0.0706	0.2497	0.5782	1.1808	0.4612	0.1758	0.596	0.0175	0.35768	0.5769
Nitrogen Dioxide	TM7	2	20	18	78	39	14	0.0026	0.0115	0.1184	0.1001	0.4693	0.7132	0.3757		0.0841	0.0702	0.2485	0.5755	1.1753	0.4591	0.175	0.5933	0.0174	0.22026	0.35525
Nitrogen Dioxide	TM7	2	21	18	78	39	3	0.0026	0.0115	0.1184	0.1001	0.4693	0.7132	0.3757		0.0841	0.0702	0.2485	0.5755	1.1753	0.4591	0.175	0.5933	0.0174	0.25133	0.40538
Nitrogen Dioxide	TM7	2	22	18	78	39	31	0.0026	0.0115	0.1184	0.1001	0.4693	0.7132	0.3757		0.0841	0.0702	0.2485	0.5755	1.1753	0.4591	0.175	0.5933	0.0174	0	0
Nitrogen Dioxide	TM7	2	23	18	78	39	0	0.0026	0.0115	0.1184	0.1001	0.4693	0.7132	0.3757		0.0841	0.0702	0.2485	0.5755	1.1753	0.4591	0.175	0.5933	0.0174	0	0
Nitrogen Dioxide	TM7	2	24	18	78	39	0	0.0026	0.0115	0.1184	0.1001	0.4693	0.7132	0.3757		0.0841	0.0702	0.2485	0.5755	1.1753	0.4591	0.175	0.5933	0.0174	0	0
Nitrogen Dioxide	TM7	3	1	21	86	39	0	0.0023	0.0101	0.1131	0.0957	0.4404	0.6636	0.3526		0.0785	0.0656	0.2331	0.5401	1.1031	0.4309	0.1642	0.5568	0.0151	0	0
Nitrogen Dioxide	TM7	3	2	20	87	39	0	0.0024	0.0103	0.1141	0.0966	0.4463	0.674	0.3573		0.0797	0.0666	0.2363	0.5474	1.1178	0.4366	0.1664	0.5643	0.0156	0	0
Nitrogen Dioxide	TM7	3	3	20	87	39	0	0.0024	0.0103	0.1141	0.0966	0.4463	0.674	0.3573		0.0797	0.0666	0.2363	0.5474	1.1178	0.4366	0.1664	0.5643	0.0156	0	0
Nitrogen Dioxide	TM7	3	4	20	87	39	0	0.0024	0.0103	0.1141	0.0966	0.4463	0.674	0.3573		0.0797	0.0666	0.2363	0.5474	1.1178	0.4366	0.1664	0.5643	0.0156	0	0
Nitrogen Dioxide	TM7	3	5	20	87	39	0	0.0024	0.0103	0.1141	0.0966	0.4463	0.674	0.3573		0.0797	0.0666	0.2363	0.5474	1.1178	0.4366	0.1664	0.5643	0.0156	0	0
Nitrogen Dioxide	TM7	3	6	20	87	39	0	0.0024	0.0103	0.1141	0.0966	0.4463	0.674	0.3573		0.0797	0.0666	0.2363	0.5474	1.1178	0.4366	0.1664	0.5643	0.0156	0	0
Nitrogen Dioxide	TM7	3	7	20	87	39	2	0.0024	0.0103	0.1141	0.0966	0.4463	0.674	0.3573		0.0797	0.0666	0.2363	0.5474	1.1178	0

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:

(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.

(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Dioxide	TM7	5	17	28	78	39	24	0.002	0.0085	0.1049	0.0887	0.3942	0.5865	0.3156		0.0698	0.0584	0.2086	0.4835	0.9874	0.3857	0.147	0.4984	0.0118	0.31748	0.51207
Nitrogen Dioxide	TM7	5	18	28	81	39	31	0.0019	0.0082	0.1037	0.0878	0.3881	0.5765	0.3107		0.0687	0.0575	0.2053	0.476	0.972	0.3797	0.1447	0.4907	0.0114	0.28958	0.46706
Nitrogen Dioxide	TM7	5	19	27	84	39	31	0.0019	0.0083	0.1044	0.0884	0.3921	0.5831	0.3139		0.0694	0.0581	0.2074	0.4809	0.9821	0.3836	0.1462	0.4958	0.0117	0.29278	0.47223
Nitrogen Dioxide	TM7	5	20	27	87	39	14	0.0019	0.0081	0.1034	0.0875	0.3863	0.5737	0.3093		0.0683	0.0572	0.2044	0.4738	0.9676	0.378	0.1441	0.4885	0.0113	0.17955	0.2896
Nitrogen Dioxide	TM7	5	21	27	88	39	3	0.0019	0.008	0.103	0.0872	0.3844	0.5705	0.3078		0.068	0.0569	0.2034	0.4715	0.9628	0.3761	0.1434	0.486	0.0112	0.20583	0.33199
Nitrogen Dioxide	TM7	5	22	26	89	39	0	0.0019	0.0083	0.1045	0.0885	0.3927	0.5841	0.3144		0.0695	0.0582	0.2078	0.4817	0.9836	0.3842	0.1465	0.4965	0.0117	0	0
Nitrogen Dioxide	TM7	5	23	26	89	39	0	0.0019	0.0083	0.1045	0.0885	0.3927	0.5841	0.3144		0.0695	0.0582	0.2078	0.4817	0.9836	0.3842	0.1465	0.4965	0.0117	0	0
Nitrogen Dioxide	TM7	5	24	26	90	39	0	0.0019	0.0082	0.1042	0.0882	0.3909	0.5811	0.313		0.0692	0.0579	0.2068	0.4794	0.9791	0.3824	0.1458	0.4942	0.0116	0	0
Nitrogen Dioxide	TM7	6	1	28	88	39	0	0.0018	0.0077	0.1012	0.0856	0.3738	0.5532	0.2992		0.066	0.0553	0.1977	0.4584	0.9362	0.3657	0.1394	0.4726	0.0105	0	0
Nitrogen Dioxide	TM7	6	2	27	89	39	0	0.0018	0.0079	0.1027	0.0869	0.3825	0.5674	0.3062		0.0676	0.0566	0.2023	0.4691	0.958	0.3742	0.1426	0.4836	0.0111	0	0
Nitrogen Dioxide	TM7	6	3	27	89	39	0	0.0018	0.0079	0.1027	0.0869	0.3825	0.5674	0.3062		0.0676	0.0566	0.2023	0.4691	0.958	0.3742	0.1426	0.4836	0.0111	0	0
Nitrogen Dioxide	TM7	6	4	27	88	39	0	0.0019	0.008	0.103	0.0872	0.3844	0.5705	0.3078		0.068	0.0569	0.2034	0.4715	0.9628	0.3761	0.1434	0.486	0.0112	0	0
Nitrogen Dioxide	TM7	6	5	27	89	39	0	0.0018	0.0079	0.1027	0.0869	0.3825	0.5674	0.3062		0.0676	0.0566	0.2023	0.4691	0.958	0.3742	0.1426	0.4836	0.0111	0	0
Nitrogen Dioxide	TM7	6	6	27	90	39	0	0.0018	0.0078	0.1023	0.0866	0.3805	0.5643	0.3047		0.0672	0.0563	0.2013	0.4667	0.9532	0.3723	0.1419	0.4812	0.0109	0	0
Nitrogen Dioxide	TM7	6	7	28	87	39	2	0.0018	0.0077	0.1015	0.0859	0.3758	0.5565	0.3009		0.0664	0.0556	0.1988	0.4609	0.9413	0.3677	0.1402	0.4752	0.0106	0.00475	0.00766
Nitrogen Dioxide	TM7	6	8	29	82	39	21	0.0018	0.0078	0.1015	0.0859	0.3756	0.5562	0.3007		0.0663	0.0556	0.1987	0.4607	0.9408	0.3675	0.1401	0.4749	0.0106	0.29926	0.48267
Nitrogen Dioxide	TM7	6	9	29	79	39	47	0.0019	0.0081	0.1027	0.0869	0.3821	0.5668	0.306		0.0675	0.0566	0.2021	0.4687	0.9571	0.3739	0.1425	0.4832	0.011	0.28193	0.45472
Nitrogen Dioxide	TM7	6	10	30	76	39	55	0.0019	0.0081	0.1021	0.0863	0.3785	0.5609	0.3031		0.0669	0.056	0.2002	0.4642	0.9481	0.3703	0.1412	0.4786	0.0108	0.27498	0.44352
Nitrogen Dioxide	TM7	6	11	30	75	39	31	0.0019	0.0082	0.1025	0.0867	0.3808	0.5647	0.3049		0.0673	0.0564	0.2014	0.4671	0.9538	0.3726	0.142	0.4815	0.011	0.28385	0.45783
Nitrogen Dioxide	TM7	6	12	30	74	39	24	0.0019	0.0083	0.1029	0.087	0.3831	0.5684	0.3067		0.0677	0.0567	0.2027	0.4699	0.9596	0.3748	0.1429	0.4844	0.0111	0.30798	0.49674
Nitrogen Dioxide	TM7	6	13	31	73	39	24	0.0019	0.0083	0.1029	0.087	0.3831	0.5684	0.3067		0.0677	0.0567	0.2027	0.4699	0.9596	0.3748	0.1429	0.4844	0.0111	0.30127	0.48591
Nitrogen Dioxide	TM7	6	14	31	72	39	24	0.0019	0.0082	0.102	0.0862	0.3777	0.5595	0.3024		0.0667	0.0559	0.1998	0.4632	0.9459	0.3695	0.1408	0.4775	0.0108	0.30334	0.48926
Nitrogen Dioxide	TM7	6	15	30	74	39	31	0.0019	0.0083	0.1029	0.087	0.3831	0.5684	0.3067		0.0677	0.0567	0.2027	0.4699	0.9596	0.3748	0.1429	0.4844	0.0111	0.28566	0.46074
Nitrogen Dioxide	TM7	6	16	30	74	39	24	0.0019	0.0083	0.1029	0.087	0.3831	0.5684	0.3067		0.0677	0.0567	0.2027	0.4699	0.9596	0.3748	0.1429	0.4844	0.0111	0.30798	0.49674
Nitrogen Dioxide	TM7	6	17	30	75	39	24	0.0019	0.0082	0.1025	0.0867	0.3808	0.5647	0.3049		0.0673	0.0564	0.2014	0.4671	0.9538	0.3726	0.142	0.4815	0.011	0.30604	0.49362
Nitrogen Dioxide	TM7	6	18	29	79	39	31	0.0019	0.0081	0.1027	0.0869	0.3821	0.5668	0.306		0.0675	0.0566	0.2021	0.4687	0.9571	0.3739	0.1425	0.4832	0.011	0.28488	0.45948
Nitrogen Dioxide	TM7	6	19	29	81	39	31	0.0019	0.0081	0.1027	0.0869	0.3825	0.5674	0.3062		0.0676	0.0566	0.2023	0.4691	0.958	0.3742	0.1426	0.4836	0.0111	0.28142	0.4539
Nitrogen Dioxide	TM7	6	20	28	83	39	14	0.0019	0.0081	0.103	0.0871	0.384	0.5699	0.3074		0.0679	0.0568	0.2031	0.471	0.9618	0.3757	0.1432	0.4855	0.0112	0.17844	0.2878
Nitrogen Dioxide	TM7	6	21	28	85	39	3	0.0018	0.0079	0.1023	0.0865	0.3799	0.5632	0.3042		0.0671	0.0562	0.201	0.4659	0.9515	0.3717	0.1417	0.4803	0.0109	0.2034	0.32806
Nitrogen Dioxide	TM7	6	22	28	86	39	0	0.0018	0.0078	0.1019	0.0862	0.3779	0.5599	0.3025		0.0667	0.0559	0.1999	0.4634	0.9464	0.3697	0.1409	0.4777	0.0108	0	0
Nitrogen Dioxide	TM7	6	23	28	87	39	0	0.0018	0.0077	0.1015	0.0859	0.3758	0.5565	0.3009		0.0664	0.0556	0.1988	0.4609	0.9413	0.3677	0.1402	0.4752	0.0106	0	0
Nitrogen Dioxide	TM7	6	24	28	87	39	0	0.0018	0.0077	0.1015	0.0859	0.3758	0.5565	0.3009		0.0664	0.0556	0.1988	0.4609	0.9413	0.3677	0.1402	0.4752	0.0106	0	0
Nitrogen Dioxide	TM7	7	1	28	84	39	0	0.0019	0.008	0.1026	0.0868	0.3819	0.5665	0.3058		0.0675	0.0565	0.202	0.4685	0.9567	0.3737	0.1424	0.4829	0.011	0	0
Nitrogen Dioxide	TM7	7	2	28	84	39	0	0.0019	0.008	0.1026	0.0868	0.3819	0.5665	0.3058		0.0675	0.0565	0.202	0.4685	0.9567	0.3737	0.1424	0.4829	0.011	0	0
Nitrogen Dioxide	TM7	7	3	28	86	39	0	0.0018	0.0078	0.1019	0.0862	0.3779	0.5599	0.3025		0.0667	0.0559	0.1999	0.4634	0.9464	0.3697	0.1409	0.4777	0.0108	0	0
Nitrogen Dioxide	TM7	7	4	28	86	39	0	0.0018	0.0078	0.1019	0.0862	0.3779	0.5599	0.3025		0.0667	0.0559	0.1999	0.4634	0.9464	0.3697	0.1409	0.4777	0.0108	0	0
Nitrogen Dioxide	TM7	7	5	28	88	39	0	0.0018	0.0077	0.1012	0.0856	0.3738	0.5532	0.2992		0.066	0.0553	0.1977	0.4584	0.9362	0.3657	0.1394	0.4726	0.0105	0	0
Nitrogen Dioxide	TM7	7	6	28	88	39	0	0.0019	0.008	0.103	0.0872	0.3844	0.5705	0.3078		0.068	0.0569	0.2034	0.4715	0.9628	0.3761	0.1434	0.486	0.0112	0	0
Nitrogen Dioxide	TM7	7	7	28	86	39	2	0.0018	0.0078	0.1019	0.0862	0.3779	0.5599	0.3025		0.0667	0.0559	0.1999	0.4634	0.9464	0.3697	0.1409	0.4777	0.0108	0.0048	0.00774
Nitrogen Dioxide	TM7	7	8	29	81	39	21	0.0018	0.0079	0.1019	0.0862	0.3778	0.5598	0.3025		0.0667	0.0559	0.1998	0.4634	0.9462	0.3696	0.1409	0.4777	0.0108	0.30116	0.48574
Nitrogen Dioxide	TM7	7	9	30	76	39	47	0.0019	0.0081	0.1021	0.0863	0.3785	0.5609	0.3031		0.0669	0.056	0.2002	0.4642	0.9481	0.3703	0.1412	0.4786	0.0108	0.27911	0.45018
Nitrogen Dioxide	TM7	7	10	31	70	39	55	0.0019	0.0084	0.1029	0.0869	0.3825	0.5675	0.3063		0.0676	0.0566	0.2024	0.4692	0.9582	0.3743	0.1427	0.4837	0.0111	0.27813	0.44859
Nitrogen Dioxide	TM7	7	11	31	68	39	31	0.002	0.0086	0.1038	0.0877	0.3874	0.5755	0.3102		0.0685	0.0574	0.205	0.4752	0.9704	0.3791	0.1445	0.4899	0.0114	0.28917	0.4664
Nitrogen Dioxide	TM7	7	12	32	67	39	24	0.0019	0.0085	0.1025	0.0865	0.3801	0.5635	0.3043		0.0672	0.0563	0.201	0.4655	0.9519	0.3718	0.1417	0.4803	0.0109	0.30543	0.49263
Nitrogen Dioxide	TM7	7	13	32	66	39	24	0.002	0.0085	0.1029	0.0869	0.3827	0.5677	0.3064		0.0677	0.0567	0.2024	0.4693	0.9584	0.3744	0.1427	0.4838	0.0111	0.30767	0.49624
Nitrogen Dioxide	TM7	7	14	32	66	39	24	0.002	0.0085	0.1029	0.0869	0.3827	0.5677	0.3064		0.0677	0.0567	0.2024	0.4693	0.9584	0.3744	0.1427	0.4838	0.0111	0.30767	0.49624
Nitrogen Dioxide	TM7	7	15	31	68	39	31	0.002	0.0086	0.1038	0.0877	0.3874	0.5755	0.3102		0.0685	0.0574	0.205	0.4752	0.9704	0.3791	0.1445	0.4899	0.0114	0.28917	0.4664
Nitrogen Dioxide	TM7	7	16	31	69	39	24	0.002	0.0085	0.1033	0.0873	0.385	0.5715	0.3082		0.0681	0.057	0.2037	0.4722	0.9643	0.3767	0.1436	0.4868	0.0112	0.30963	0.49941
Nitrogen Dioxide	TM7	7	17	31	70	39	24	0.0019	0.0084	0.1029	0.0869	0.3825	0.5675	0.3063		0.0676	0.0566	0.2024	0.4692	0.9582	0.3743	0.1427	0.4837	0.0111	0.30733	0.49602
Nitrogen Dioxide	TM7	7	18	30	73	39	31	0.0019	0.0084	0.1034	0.0874	0.3854	0.5722	0.3086		0.0682	0.0571	0.2039	0.4727	0.9654	0.3771	0.1437	0.4873	0.0113	0.28733	0.46375
Nitrogen Dioxide	TM7	7	19	29	76	39	31	0.0019	0.0084	0.1039	0.0878	0.3887	0.5775	0.3112		0.0688	0.0576	0.2056	0.4767	0.9735	0.3803	0.1449	0.4914	0.0114	0.29009	0.46789
Nitrogen Dioxide	TM7	7	20	29	79	39	14	0.0019	0.0081	0.1027	0.0869	0.3821	0.5668	0.306		0.0675	0.0566	0.2021	0.4687	0.9571	0.3739	0.1425	0.4832	0.011	0.17757	0.28641
Nitrogen Dioxide	TM7	7	21	29	81	39	3	0.0018	0.0079	0.1019	0.0862	0.3778	0.5598	0.3025		0.0667	0.0559	0.1998	0.4634	0.9462	0.3696	0.1409	0.4777	0.0108	0.20227	0.32624
Nitrogen Dioxide	TM7	7	22	29	82	39	0	0.0018	0.0078	0.1015	0.0859	0.3756	0.5562	0.3007		0.0663	0.0556	0.1987	0.4607	0.9408	0.3675	0.1401	0.4749	0.0106	0	0
Nitrogen Dioxide	TM7	7	23	28	84	39	0	0.0019	0.0081	0.103	0.0871	0.3844	0.5699	0.3074		0.0679	0.0568	0.2031	0.471	0.9618	0.3757	0.1432	0.4855	0.0112	0	0
Nitrogen Dioxide	TM7	7	24	28	84	39	0	0.0019	0.008	0.1026	0.0868	0.3819	0.5665	0.3058		0.0675	0.0565	0.202	0.4685	0.9567	0.3737	0.1424	0.4829	0.011	0	0
Nitrogen Dioxide	TM7	8	1	27	90	39	0	0.0018	0.0078	0.1023	0.0866	0.3805	0.5643	0.3047		0.0672	0.0563	0.2013	0.4667	0.9532	0.3723	0.1419	0.4812	0.0109	0	0
Nitrogen Dioxide	TM7	8	2	26	90	39	0	0.0019	0.0082	0.1042	0.0882	0.3909	0.5811	0.313		0.0692	0.0579	0.2068	0.4794	0.9791	0.3824	0.1458	0.4942	0.0116	0	0
Nitrogen Dioxide	TM7	8	3	26	91	39	0	0.0019	0.0081	0.1038	0.0879	0.3891	0.5782	0.3115		0.0688	0.0576	0.2058	0.4772	0.9745	0.3807	0.1451	0.4919	0.0115	0	0
Nitrogen Dioxide	TM7	8	4	26	92	39	0	0.0019	0.008	0.1035	0.0876	0.3873	0.5752	0.3101		0.0685	0.0574	0.2049	0.475	0.97	0.3789	0.1444	0.4897	0.0114	0	0
Nitrogen Dioxide	TM7	8	5	26	92	39	0	0.0019	0.008	0.1035	0.0876	0.3873	0.5752	0.3101		0.0685	0.0574	0.2049	0.475	0.97	0.3789	0.1444	0.4897	0.0114	0	0
Nitrogen Dioxide	TM7	8	6	26	93	39	0	0.0018	0.008	0.1032	0.0874	0.3855	0.5723	0.3086		0.0682	0.0571	0.2039	0.4728	0.9655	0.3771	0.1438	0.4874	0.0112	0	0
Nitrogen Dioxide	TM7	8	7	26	93	39	2	0.0018	0.008	0.1032	0.0874	0.3855	0.5723	0.3086		0.0682	0.0571	0.2039	0.4728	0.9655	0.3771	0.1438	0.4874	0.0112	0.0049	0.0079
Nitrogen Dioxide	TM7	8	8	27	88	39	21	0.0019	0.008	0.103	0.0872	0.3844	0.5705	0.3078		0.068	0.0569	0.2034	0.4715	0.9628	0.3761	0.1434	0.486	0.0112	0.30628	0.49481
Nitrogen Dioxide	TM7	8	9	29	81	39	47	0.0018	0.0079	0.1019	0.0862	0.3778	0.5598	0.3025		0.0667	0.0559	0.1998	0.4634	0.9462	0.3696	0.1409	0.4777	0.0108	0.27852	0.44923
Nitrogen Dioxide	TM7	8	10	30	76	39	55	0.0019	0.0081	0.1021	0.0863	0.3785	0.5609	0.3031		0.0669	0.056	0.2002	0.4642	0.9481	0.3703	0.1412	0.4786	0.0108	0.27498	0.44352
Nitrogen Dioxide	TM7	8	11	30	73	39	31	0.0019	0.0084	0.1034	0.0874	0.3854	0.5722	0.3086		0.0682	0.0571	0.2039	0.4727	0.9654	0.3771	0.1437	0.4873	0.0113	0.28733	0.46375
Nitrogen Dioxide	TM7	8	12	30	73	39	24	0.0019	0.0084	0.1034	0.0874	0.3854	0.5722	0.3086		0.0682	0.0571	0.2039	0.4727	0.9654	0.3771	0.1437	0.4873	0.0113	0.30999	0.49998
Nitrogen Dioxide	TM7	8	13	30	74	39	24	0.0019	0.0083	0.1029	0.087	0.3831	0.5684	0.3067		0.0677	0.0567	0.2027	0.4699	0.9596	0.3748	0.1429	0.4844	0.0111	0.30798	0.49674
Nitrogen Dioxide	TM7	8	14	30	74	39	24	0.0019	0.0083	0.1029	0.087	0.3831	0.5684	0.3067		0.0677	0.0567	0.2027	0.4699	0.9596	0.3748	0.1429	0.4844	0.0111	0.30798	0.49674
Nitrogen Dioxide	TM7	8	15	30	75	39	31	0.0019	0.0082	0.1025	0.0867	0.3808	0.5647	0.3049		0.0673	0.0564	0.2014	0.4671	0.9538	0.3726	0.142	0.4815	0.011	0.28385	0.45783
Nitrogen Dioxide	TM7	8	16	29	77	39	31	0.0019	0.0082	0.1035	0.0875	0.3865	0.5739	0.3094		0.0684	0.0572	0.2043	0.4741	0.968	0.3791	0.1441	0.4886	0.0113	0.31085	0.50138
Nitrogen Dioxide	TM7	8	17	29	79	39	24	0.0019	0.0081	0.1027	0.0869	0.3821	0.5668	0.306		0.0675	0.0566	0.2021	0.4687	0.9571	0.3739	0.1425	0.4832	0.011	0.30715	0.4954
Nitrogen Dioxide	TM7	8	18	28	80	39	31	0.0019	0.0083	0.1041	0.0881	0.3901	0.5799	0.3124		0.069	0.0578	0.2064	0.4785	0.9772	0.3817	0.1455	0.4933	0.0115	0.29125	0.46976
Nitrogen Dioxide	TM7	8	19	28	82	39	31	0.0019	0.0081	0.1034	0.0874	0.386	0.5732	0.3091		0.0683	0.0572	0.2042	0.4735	0.9669	0.3777	0.144	0.4881	0.0113	0.28797	0.46447
Nitrogen Dioxide	TM7	8	20	28	84	39	14	0.0019	0.008	0.1026	0.0868	0.3819	0.5665	0.3058		0.0675	0.0565	0.202	0.4685	0.9567	0.3737	0.1424	0.4829	0.011	0.17745	0.28621
Nitrogen Dioxide	TM7	8	21	27	85	39	3	0.0019	0.0082	0.1041	0.0881	0.3902	0.5799	0.3124		0.0693	0.0578	0.2064	0.4786	0.9773	0.3817	0.1455	0.4933	0.0115	0.2089	0.33694
Nitrogen Dioxide	TM7	8	22	27	87	39	0	0.0019	0.0081	0.1034	0.0875	0.3863	0.5737	0.3093		0.0683	0.0572	0.2044	0.4738	0.9676	0.378	0.1441	0.4885	0.0113	0	0
Nitrogen Dioxide	TM7	8	23	27	88	39	0	0.0019	0.008	0.103	0.0872	0.3844	0.5705	0.3078		0.068	0.0569	0.2034	0.4715	0.9628	0.3761	0.1434	0.486	0.0112	0	0
Nitrogen Dioxide	TM7	8	24	27	89	39	0	0.0018	0.0079	0.1027	0.0869	0.3825	0.5674	0.3062		0.0676	0.0566	0.2023	0.4691	0.958	0.3742	0.1426	0.4836	0.0111	0	0
Nitrogen Dioxide	TM7	9	1	27	89	39	0	0.0018	0.0079	0.1027	0.0869	0.3825	0.5674	0.3062		0.0676	0.0566	0.2023	0.4691	0.958	0.3742	0.1426	0.4836	0.0111	0	0
Nitrogen Dioxide	TM7	9	2	26	91	39	0	0.0019	0.0083	0.1045	0.0885	0.3927	0.5841	0.3144		0.0695	0.0582	0.2078	0.4817	0.9836	0.3842	0.1465	0.4965	0.0117	0	0
Nitrogen Dioxide	TM7	9	3	26	91	39	0	0.0019	0.0081	0.1038	0.0879	0.3891	0.5782	0.3115		0.0688	0.0576	0.2058	0.4772	0.9745	0.3807	0.1451	0.4919	0.0115	0	0
Nitrogen Dioxide	TM7	9	4	26	92	39	0	0.0019	0.008	0.1035	0.0876	0.3873	0.5752	0.3101		0.0685	0.0574	0.2049	0.475	0.97	0.3789	0.1444	0.4897	0.0114	0	0
Nitrogen Dioxide	TM7	9	5	26	92	39	0	0.0019	0.008	0.1035	0.0876	0.3873	0.5752	0.3101		0.0685	0.0574	0.2049	0.475	0.97	0.3789	0.1444	0.4897	0.0114	0	0
Nitrogen Dioxide	TM7	9	6	26	93	39	0	0.0018	0.008	0.1032	0.0874	0.3855	0.5723	0.3086		0.0682	0.0571	0.2039	0.4728	0.9655	0.3771	0.1438	0.4874	0.0112	0	0
Nitrogen Dioxide	TM7	9	7	26	93	39	2	0.0018	0.008	0.1032	0.0874	0.3855	0.5723	0.3086		0.0682	0.0571	0.2039	0.4728	0.9655	0.3771	0.1438	0.4874	0.0112	0.0049	0.0079
Nitrogen Dioxide	TM7	9	8	27	88	39	21	0.0019	0.008	0.103	0.0872	0.3844	0.5705	0.3078		0.068	0.0569	0.2034	0.4715	0.9628	0.3761	0.1434	0.486	0.0112	0.30628	0.49481
Nitrogen Dioxide	TM7	9	9	28	84	39	47	0.0019	0.0081	0.1034	0.0874	0.3854	0.5722	0.3074		0.0679	0.0568	0.2031	0.471	0.9618	0.3757	0.1432	0.4855	0.0112	0.28317	0.45705
Nitrogen Dioxide	TM7	9	10	29	78	39	55	0.0019	0.0082	0.1031	0.0872	0.3843	0.5704	0.3077		0.068	0.0569	0.2033	0.4714	0.9626	0.376	0.1433	0.4859	0.0112	0.27946	0.45074
Nitrogen Dioxide	TM7	9	11	29	76	39	31	0.0019	0.0084	0.1039	0.0878	0.3887	0.5775	0.3112		0.0688	0.0576	0.2056	0.4767	0.9735	0.3803	0.1449	0.4914	0.0114	0.29009	0.46789
Nitrogen Dioxide	TM7	9	12	29	76	39	24	0.0019	0.0084	0.1039	0.0878	0.3887	0.5775	0.3112		0.0688	0.0576	0.2056	0.4767	0.9735	0.3803	0.1449	0.4914	0.0114	0.31275	0.50444
Nitrogen Dioxide	T

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:

(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.

(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Dioxide	TM7	11	22	22	74	39	0	0.0024	0.0104	0.1147	0.0971	0.4497	0.6782	0.3601		0.0803	0.0671	0.2381	0.5516	1.1264	0.44	0.1677	0.5686	0.0155	0	0
Nitrogen Dioxide	TM7	11	23	22	74	39	0	0.0024	0.0104	0.1147	0.0971	0.4497	0.6782	0.3601		0.0803	0.0671	0.2381	0.5516	1.1264	0.44	0.1677	0.5686	0.0155	0	0
Nitrogen Dioxide	TM7	11	24	21	74	39	0	0.0025	0.0107	0.1159	0.0981	0.4562	0.6895	0.3653		0.0815	0.0681	0.2416	0.5596	1.1427	0.4464	0.1701	0.5768	0.0161	0	0
Nitrogen Dioxide	TM7	12	1	16	68	39	0	0.0029	0.0128	0.1222	0.1031	0.4892	0.7478	0.3917		0.0879	0.0734	0.2592	0.6001	1.2254	0.4787	0.1825	0.6186	0.0191	0	0
Nitrogen Dioxide	TM7	12	2	16	69	39	0	0.0029	0.0127	0.122	0.103	0.4883	0.7463	0.391		0.0877	0.0733	0.2587	0.5989	1.223	0.4777	0.1821	0.6174	0.0189	0	0
Nitrogen Dioxide	TM7	12	3	16	69	39	0	0.0029	0.0127	0.122	0.103	0.4883	0.7463	0.391		0.0877	0.0733	0.2587	0.5989	1.223	0.4777	0.1821	0.6174	0.0189	0	0
Nitrogen Dioxide	TM7	12	4	15	70	39	0	0.003	0.0131	0.1227	0.1035	0.4916	0.7526	0.3936		0.0884	0.0739	0.2604	0.603	1.2314	0.481	0.1834	0.6216	0.0193	0	0
Nitrogen Dioxide	TM7	12	5	15	70	39	0	0.003	0.0131	0.1227	0.1035	0.4916	0.7526	0.3936		0.0884	0.0739	0.2604	0.603	1.2314	0.481	0.1834	0.6216	0.0193	0	0
Nitrogen Dioxide	TM7	12	6	15	70	39	0	0.003	0.0131	0.1227	0.1035	0.4916	0.7526	0.3936		0.0884	0.0739	0.2604	0.603	1.2314	0.481	0.1834	0.6216	0.0193	0	0
Nitrogen Dioxide	TM7	12	7	15	70	39	2	0.003	0.0131	0.1227	0.1035	0.4916	0.7526	0.3936		0.0884	0.0739	0.2604	0.603	1.2314	0.481	0.1834	0.6216	0.0193	0.00805	0.01298
Nitrogen Dioxide	TM7	12	8	15	69	39	21	0.003	0.0131	0.1228	0.1036	0.4925	0.7541	0.3943		0.0886	0.074	0.2609	0.6041	1.2336	0.4819	0.1837	0.6227	0.0194	0.40238	0.64899
Nitrogen Dioxide	TM7	12	9	16	65	39	47	0.0029	0.0129	0.1227	0.1035	0.4921	0.7525	0.394		0.0885	0.0739	0.2607	0.6036	1.2325	0.4815	0.1835	0.6222	0.0192	0.37033	0.5973
Nitrogen Dioxide	TM7	12	10	17	62	39	55	0.0029	0.0126	0.1224	0.1034	0.4909	0.7497	0.393		0.0882	0.0736	0.26	0.6021	1.2296	0.4803	0.1831	0.6207	0.019	0.36399	0.58708
Nitrogen Dioxide	TM7	12	11	18	58	39	31	0.0028	0.0125	0.1223	0.1034	0.4909	0.7489	0.3931		0.0882	0.0736	0.26	0.6021	1.2296	0.4803	0.1831	0.6207	0.0188	0.37332	0.60222
Nitrogen Dioxide	TM7	12	12	19	57	39	24	0.0028	0.0121	0.1217	0.1029	0.4876	0.7429	0.3906		0.0873	0.0731	0.2584	0.5983	1.2218	0.4773	0.1819	0.6168	0.0184	0.39918	0.64383
Nitrogen Dioxide	TM7	12	13	19	56	39	24	0.0028	0.0122	0.1219	0.1031	0.489	0.7448	0.3915		0.0877	0.0732	0.259	0.5997	1.2247	0.4784	0.1824	0.6182	0.0185	0.40017	0.64543
Nitrogen Dioxide	TM7	12	14	19	56	39	24	0.0028	0.0122	0.1219	0.1031	0.489	0.7448	0.3915		0.0877	0.0732	0.259	0.5997	1.2247	0.4784	0.1824	0.6182	0.0185	0.40017	0.64543
Nitrogen Dioxide	TM7	12	15	19	56	39	31	0.0028	0.0122	0.1219	0.1031	0.489	0.7448	0.3915		0.0877	0.0732	0.259	0.5997	1.2247	0.4784	0.1824	0.6182	0.0185	0.37145	0.59912
Nitrogen Dioxide	TM7	12	16	19	57	39	24	0.0028	0.0121	0.1217	0.1029	0.4878	0.7429	0.3906		0.0875	0.0731	0.2584	0.5983	1.2218	0.4773	0.1819	0.6168	0.0184	0.39918	0.64383
Nitrogen Dioxide	TM7	12	17	18	60	39	24	0.0028	0.0124	0.1219	0.103	0.4888	0.7453	0.3913		0.0877	0.0733	0.2589	0.5995	1.2242	0.4782	0.1823	0.618	0.0187	0.40031	0.64567
Nitrogen Dioxide	TM7	12	18	18	64	39	31	0.0028	0.0122	0.1211	0.1024	0.4844	0.7382	0.3879		0.0869	0.0726	0.2566	0.5942	1.2134	0.4743	0.1807	0.6125	0.0184	0.36816	0.5938
Nitrogen Dioxide	TM7	12	19	17	65	39	31	0.0029	0.0125	0.1218	0.1029	0.4879	0.7447	0.3906		0.0876	0.0732	0.2584	0.5984	1.2219	0.4773	0.1819	0.6168	0.0188	0.37125	0.59878
Nitrogen Dioxide	TM7	12	20	17	66	39	14	0.0028	0.0125	0.1216	0.1027	0.4868	0.743	0.3898		0.0874	0.073	0.2579	0.5971	1.2194	0.4763	0.1816	0.6155	0.0187	0.22899	0.36933
Nitrogen Dioxide	TM7	12	21	17	66	39	3	0.0028	0.0125	0.1216	0.1027	0.4868	0.743	0.3898		0.0874	0.073	0.2579	0.5971	1.2194	0.4763	0.1816	0.6155	0.0187	0.2608	0.42065
Nitrogen Dioxide	TM7	12	22	16	66	39	0	0.0029	0.0129	0.1225	0.1034	0.4911	0.751	0.3932		0.0883	0.0737	0.2602	0.6024	1.2302	0.4805	0.1832	0.621	0.0191	0	0
Nitrogen Dioxide	TM7	12	23	16	66	39	0	0.0029	0.0129	0.1225	0.1034	0.4911	0.751	0.3932		0.0883	0.0737	0.2602	0.6024	1.2302	0.4805	0.1832	0.621	0.0191	0	0
Nitrogen Dioxide	TM7	12	24	16	67	39	0	0.0028	0.0128	0.1223	0.1033	0.4902	0.7494	0.3925		0.0881	0.0736	0.2597	0.6012	1.2278	0.4796	0.1828	0.6198	0.0191	0	0
Nitrogen Dioxide	TM8	1	1	17	76	43	0	0.0026	0.0115	0.1142	0.0959	0.4547	0.6871	0.3555		0.0803	0.0668	0.237	0.5487	1.1296	0.4353	0.1674	0.5622	0.0177	0	0
Nitrogen Dioxide	TM8	1	2	17	77	43	0	0.0026	0.0115	0.114	0.0958	0.4537	0.6855	0.3547		0.0802	0.0667	0.2364	0.5475	1.1272	0.4344	0.167	0.561	0.0176	0	0
Nitrogen Dioxide	TM8	1	3	17	77	43	0	0.0026	0.0115	0.114	0.0958	0.4537	0.6855	0.3547		0.0802	0.0667	0.2364	0.5475	1.1272	0.4344	0.167	0.561	0.0176	0	0
Nitrogen Dioxide	TM8	1	4	17	77	43	0	0.0026	0.0115	0.114	0.0958	0.4537	0.6855	0.3547		0.0802	0.0667	0.2364	0.5475	1.1272	0.4344	0.167	0.561	0.0176	0	0
Nitrogen Dioxide	TM8	1	5	17	78	43	0	0.0026	0.0114	0.1138	0.0956	0.4527	0.684	0.3541		0.08	0.0665	0.2359	0.5463	1.1248	0.4334	0.1667	0.5598	0.0176	0	0
Nitrogen Dioxide	TM8	1	6	17	77	43	0	0.0026	0.0115	0.114	0.0958	0.4537	0.6855	0.3547		0.0802	0.0667	0.2364	0.5475	1.1272	0.4344	0.167	0.561	0.0176	0	0
Nitrogen Dioxide	TM8	1	7	16	77	43	0	0.0027	0.0119	0.115	0.0965	0.4585	0.6942	0.3585		0.0811	0.0675	0.239	0.5533	1.1391	0.439	0.1688	0.567	0.0181	0	0
Nitrogen Dioxide	TM8	1	8	17	77	43	2	0.0026	0.0115	0.114	0.0958	0.4537	0.6855	0.3547		0.0802	0.0667	0.2364	0.5475	1.1272	0.4344	0.167	0.561	0.0176	0.5201	0.83887
Nitrogen Dioxide	TM8	1	9	17	73	43	11	0.0027	0.0117	0.1147	0.0964	0.4576	0.6919	0.3577		0.0809	0.0673	0.2385	0.5522	1.1368	0.4381	0.1684	0.5658	0.0179	0.28813	0.46472
Nitrogen Dioxide	TM8	1	10	19	69	43	12	0.0025	0.0111	0.1136	0.0955	0.452	0.6813	0.3534		0.0798	0.0663	0.2356	0.5455	1.123	0.4328	0.1664	0.559	0.0172	0.28878	0.46577
Nitrogen Dioxide	TM8	1	11	20	64	43	5	0.0025	0.011	0.1137	0.0956	0.4528	0.6818	0.354		0.0799	0.0664	0.2359	0.5464	1.1249	0.4335	0.1667	0.5599	0.0171	0.29646	0.47816
Nitrogen Dioxide	TM8	1	12	21	62	43	5	0.0025	0.0108	0.1132	0.0952	0.4502	0.6769	0.352		0.0794	0.066	0.2346	0.5433	1.1186	0.4311	0.1657	0.5567	0.0168	0.34382	0.55455
Nitrogen Dioxide	TM8	1	13	21	61	43	4	0.0025	0.0109	0.1134	0.0954	0.4515	0.679	0.353		0.0796	0.0662	0.2353	0.5448	1.1217	0.4323	0.1662	0.5583	0.0169	0.36848	0.59431
Nitrogen Dioxide	TM8	1	14	21	62	43	5	0.0025	0.0108	0.1132	0.0952	0.4502	0.6769	0.352		0.0794	0.066	0.2346	0.5433	1.1186	0.4311	0.1657	0.5567	0.0168	0.29606	0.47752
Nitrogen Dioxide	TM8	1	15	21	62	43	5	0.0025	0.0108	0.1132	0.0952	0.4502	0.6769	0.352		0.0794	0.066	0.2346	0.5433	1.1186	0.4311	0.1657	0.5567	0.0168	0.2944	0.47484
Nitrogen Dioxide	TM8	1	16	21	63	43	4	0.0025	0.0108	0.1133	0.0951	0.449	0.6749	0.351		0.0791	0.0658	0.2339	0.5418	1.1154	0.4298	0.1653	0.5552	0.0167	0.4279	0.69016
Nitrogen Dioxide	TM8	1	17	20	67	43	5	0.0025	0.0108	0.1133	0.0951	0.4492	0.6676	0.3512		0.0792	0.0659	0.2341	0.5431	1.1201	0.4314	0.1655	0.5565	0.0169	0.29566	0.47687
Nitrogen Dioxide	TM8	1	18	19	72	43	4	0.0025	0.0109	0.113	0.095	0.4487	0.6759	0.3508		0.0792	0.0658	0.2338	0.5415	1.1148	0.4296	0.1652	0.5549	0.017	0.36682	0.59165
Nitrogen Dioxide	TM8	1	19	18	74	43	5	0.0026	0.0112	0.1136	0.0955	0.4517	0.6815	0.3532		0.0798	0.0663	0.2354	0.5451	1.1222	0.4325	0.1663	0.5586	0.0173	0.29636	0.478
Nitrogen Dioxide	TM8	1	20	18	74	43	3	0.0026	0.0112	0.1136	0.0955	0.4517	0.6815	0.3532		0.0798	0.0663	0.2354	0.5451	1.1222	0.4325	0.1663	0.5586	0.0173	0.04247	0.06849
Nitrogen Dioxide	TM8	1	21	18	75	43	0	0.0026	0.0112	0.1134	0.0953	0.4502	0.6798	0.3523		0.0796	0.0662	0.2349	0.5438	1.1197	0.4315	0.1659	0.5573	0.0173	0	0
Nitrogen Dioxide	TM8	1	22	18	76	43	1	0.0025	0.0111	0.1132	0.0952	0.4496	0.6792	0.3515		0.0794	0.066	0.2343	0.5426	1.1171	0.4305	0.1655	0.5564	0.0172	0.00025	0.00403
Nitrogen Dioxide	TM8	1	23	18	76	43	0	0.0026	0.0112	0.1134	0.0953	0.4507	0.6798	0.3523		0.0796	0.0662	0.2349	0.5438	1.1197	0.4315	0.1659	0.5573	0.0173	0	0
Nitrogen Dioxide	TM8	1	24	17	76	43	0	0.0026	0.0115	0.1142	0.0959	0.4547	0.6871	0.3555		0.0803	0.0668	0.237	0.5487	1.1296	0.4353	0.1674	0.5622	0.0177	0	0
Nitrogen Dioxide	TM8	2	1	17	78	43	0	0.0026	0.0114	0.1138	0.0956	0.4527	0.684	0.354		0.08	0.0665	0.2359	0.5463	1.1248	0.4334	0.1667	0.5598	0.0176	0	0
Nitrogen Dioxide	TM8	2	2	17	80	43	0	0.0026	0.0114	0.1135	0.0953	0.4508	0.6808	0.3524		0.0796	0.0662	0.2349	0.544	1.12	0.4316	0.166	0.5574	0.0174	0	0
Nitrogen Dioxide	TM8	2	3	17	81	43	0	0.0026	0.0113	0.1133	0.0952	0.4498	0.6792	0.3517		0.0794	0.0661	0.2344	0.5428	1.1176	0.4307	0.1656	0.5562	0.0174	0	0
Nitrogen Dioxide	TM8	2	4	17	82	43	0	0.0026	0.0113	0.1131	0.095	0.4489	0.6776	0.3509		0.0793	0.0659	0.2339	0.5417	1.1152	0.4297	0.1652	0.5551	0.0173	0	0
Nitrogen Dioxide	TM8	2	5	16	83	43	0	0.0027	0.0116	0.114	0.0957	0.4531	0.6853	0.3542		0.0801	0.0666	0.2361	0.5467	1.1256	0.4338	0.1668	0.5602	0.0177	0	0
Nitrogen Dioxide	TM8	2	6	16	83	43	0	0.0027	0.0116	0.114	0.0957	0.4531	0.6853	0.3542		0.0801	0.0666	0.2361	0.5467	1.1256	0.4338	0.1668	0.5602	0.0177	0	0
Nitrogen Dioxide	TM8	2	7	16	83	43	0	0.0027	0.0116	0.114	0.0957	0.4531	0.6853	0.3542		0.0801	0.0666	0.2361	0.5467	1.1256	0.4338	0.1668	0.5602	0.0177	0	0
Nitrogen Dioxide	TM8	2	8	17	83	43	2	0.0026	0.0113	0.1133	0.0952	0.4496	0.6792	0.3517		0.0794	0.0661	0.2344	0.5428	1.1176	0.4307	0.1656	0.5562	0.0174	0.51545	0.83137
Nitrogen Dioxide	TM8	2	9	18	77	43	11	0.0025	0.0111	0.113	0.095	0.4486	0.6765	0.3507		0.0792	0.0659	0.2338	0.5413	1.1145	0.4295	0.1651	0.5547	0.0171	0.28203	0.45488
Nitrogen Dioxide	TM8	2	10	19	73	43	12	0.0025	0.0111	0.1128	0.0949	0.4476	0.6741	0.3499		0.079	0.0657	0.2332	0.5401	1.1121	0.4285	0.1648	0.5535	0.0169	0.28584	0.46103
Nitrogen Dioxide	TM8	2	11	20	70	43	5	0.0024	0.0107	0.1124	0.0946	0.4457	0.6703	0.3485		0.0786	0.0653	0.2322	0.5378	1.1073	0.4267	0.1641	0.5511	0.0166	0.29156	0.47026
Nitrogen Dioxide	TM8	2	12	20	68	43	5	0.0025	0.0107	0.1128	0.0949	0.4481	0.6741	0.3503		0.079	0.0657	0.2335	0.5407	1.1132	0.429	0.1649	0.5541	0.0168	0.34234	0.55216
Nitrogen Dioxide	TM8	2	13	21	65	43	4	0.0025	0.0107	0.1125	0.0947	0.4465	0.6708	0.349		0.0787	0.0654	0.2326	0.5388	1.1092	0.4274	0.1644	0.5521	0.0166	0.36415	0.58734
Nitrogen Dioxide	TM8	2	14	21	65	43	5	0.0025	0.0107	0.1125	0.0947	0.4465	0.6708	0.349		0.0787	0.0654	0.2326	0.5388	1.1092	0.4274	0.1644	0.5521	0.0166	0.29346	0.47332
Nitrogen Dioxide	TM8	2	15	21	66	43	5	0.0024	0.0106	0.1123	0.0945	0.4452	0.6688	0.3481		0.0784	0.0652	0.2322	0.5372	1.1061	0.4262	0.1639	0.5505	0.0165	0.29094	0.46926
Nitrogen Dioxide	TM8	2	16	20	68	43	4	0.0025	0.0107	0.1128	0.0949	0.4481	0.6741	0.3503		0.079	0.0657	0.2335	0.5407	1.1132	0.429	0.1649	0.5541	0.0168	0.4273	0.68919
Nitrogen Dioxide	TM8	2	17	20	70	43	5	0.0024	0.0107	0.1124	0.0946	0.4457	0.6703	0.3485		0.0786	0.0653	0.2322	0.5378	1.1073	0.4267	0.1641	0.5511	0.0166	0.29322	0.47294
Nitrogen Dioxide	TM8	2	18	19	74	43	4	0.0025	0.0108	0.1126	0.0947	0.4465	0.6723	0.3491		0.0787	0.0655	0.2327	0.5388	1.1093	0.4275	0.1644	0.5523	0.0168	0.36492	0.58859
Nitrogen Dioxide	TM8	2	19	18	76	43	5	0.0025	0.0111	0.1132	0.0952	0.4496	0.6782	0.3515		0.0794	0.066	0.2343	0.5426	1.1171	0.4305	0.1655	0.556	0.0172	0.29492	0.47568
Nitrogen Dioxide	TM8	2	20	18	78	43	3	0.0025	0.011	0.1128	0.0948	0.4476	0.6748	0.3499		0.079	0.0657	0.2332	0.5401	1.112	0.4285	0.1648	0.5535	0.0171	0.0421	0.0679
Nitrogen Dioxide	TM8	2	21	18	78	43	1	0.0025	0.011	0.1128	0.0948	0.4476	0.6748	0.3499		0.079	0.0657	0.2332	0.5401	1.112	0.4285	0.1648	0.5535	0.0171	0	0
Nitrogen Dioxide	TM8	2	22	18	78	43	1	0.0025	0.011	0.1128	0.0948	0.4476	0.6748	0.3499		0.079	0.0657	0.2332	0.5401	1.112	0.4285	0.1648	0.5535	0.0171	0.0025	0.00403
Nitrogen Dioxide	TM8	2	23	18	78	43	0	0.0025	0.011	0.1128	0.0948	0.4476	0.6748	0.3499		0.079	0.0657	0.2332	0.5401	1.112	0.4285	0.1648	0.5535	0.0171	0	0
Nitrogen Dioxide	TM8	2	24	18	78	43	0	0.0025	0.011	0.1128	0.0948	0.4476	0.6748	0.3499		0.079	0.0657	0.2332	0.5401	1.112	0.4285	0.1648	0.5535	0.0171	0	0
Nitrogen Dioxide	TM8	3	1	21	86	43	0	0.0022	0.0097	0.1078	0.0907	0.4201	0.6279	0.3284		0.0738	0.0614	0.2188	0.5069	1.0436	0.4021	0.1546	0.5194	0.0148	0	0
Nitrogen Dioxide	TM8	3	2	20	87	43	0	0.0023	0.0099	0.1088	0.0916	0.4257	0.6377	0.3328		0.0749	0.0623	0.2217	0.5137	1.0575	0.4075	0.1567	0.5264	0.0153	0	0
Nitrogen Dioxide	TM8	3	3	20	87	43	0	0.0023	0.0099	0.1088	0.0916	0.4257	0.6377	0.3328		0.0749	0.0623	0.2217	0.5137	1.0575	0.4075	0.1567	0.5264	0.0153	0	0
Nitrogen Dioxide	TM8	3	4	20	87	43	0	0.0023	0.0099	0.1088	0.0916	0.4257	0.6377	0.3328		0.0749	0.0623	0.2217	0.5137	1.0575	0.4075	0.1567	0.5264	0.0153	0	0
Nitrogen Dioxide	TM8	3	5	20	87	43	0	0.0023	0.0099	0.1088	0.0916	0.4257	0.6377	0.3328		0.0749	0.0623	0.2217	0.5137	1.0575	0.4075	0.1567	0.5264	0.0153	0	0
Nitrogen Dioxide	TM8	3	6	20	87	43	0	0.0023	0.0099	0.1088	0.0916	0.4257	0.6377	0.3328		0.0749	0.0623	0.2217	0.5137	1.0575	0.4075	0.1567	0.5264	0.0153	0	0
Nitrogen Dioxide	TM8	3	7	20	87	43	0	0.0023	0.0099	0.1088	0.0916	0.4257	0.6377	0.3328		0.0749	0.0623	0.2217	0.5137	1.0575	0.4075	0.1567	0.5264	0.0153	0	0
Nitrogen Dioxide	TM8	3	8	20	86	43	2	0.0023	0.01	0.109	0.0917	0.4213	0.6296	0.3337		0.0751	0.0625	0.2224	0.5151	1.0605	0.4087	0.1571	0.5278	0.0154	0.48665	0.78492
Nitrogen Dioxide	TM8	3	9	21	83	43	11	0.0023	0.0098	0.1084	0.0913	0.4238	0.6341	0.3313		0.0745	0.062	0.2208	0.5114	1.0529	0.4058	0.156	0.5241	0.015	0.26529	0.42789
Nitrogen Dioxide	TM8	3	10	22	79	43	12	0.0022	0.0098	0.1082	0.091	0.4222	0.6308	0.3301		0.0742	0.0617	0.2199	0.5095	1.049	0.4042	0.1554	0.5221	0.0148	0.2684	0.4329
Nitrogen Dioxide	TM8	3	11	22	78	43	5	0.0023	0.0098	0.1084	0.0912	0.4236	0.633	0.3312		0.0744	0.0619	0.2206	0.5111	1.0523	0.4055	0.1559	0.5238	0.0149	0.2758	0.44484
Nitrogen Dioxide	TM8	3	12	23	77	43	5	0.0022	0.0096	0.1074	0.0904	0.4181	0.6235	0.3269		0.0734	0.0611	0.2178	0.5045	1.0387	0.4003	0.1539	0.517	0.0144	0.31714	0.51152
Nitrogen Dioxide	TM8	3	13	23	77	43	4	0.0022	0.0096	0.1074	0.0904	0.4181	0.6235	0.3269		0.0734	0.0611	0.2178	0.5045	1.0387	0.4003	0.1539	0.517	0.0144	0.33915	0.54702
Nitrogen Dioxide	TM8	3	14	23	77	43	5	0.0022	0.0096	0.1074	0.0904	0.4181	0.6235	0.3269		0.0734	0.0611	0.2178	0.5045	1.0387	0.4003	0.1539	0.517	0.0144	0.27324	0.44071
Nitrogen Dioxide	TM8	3	15	23	76	43	5	0.0022	0.0096	0.1077	0.0906	0.4195	0.6258	0.328		0.0736	0.0613	0.2185	0.5063	1.0423	0.4017	0.1544	0.5188	0.0145	0.27274	0.4399
Nitrogen Dioxide	TM8	3	16	23	77	43	4	0.0022	0.0096	0.1074	0.0904	0.4181	0.6235	0.3269		0.0734	0.061	0.2178	0.5045	1.0387	0.4003	0.1539	0.517	0.0144	0.39588	0.63851
Nitrogen Dioxide	TM8	3	17	22	79	43	5	0.0022	0.0098	0.1082	0.091	0.4223	0.6308	0.3301		0.0742	0.0617	0.2199	0.5095	1.049	0.4042	0.1554	0.5221	0.0148	0.27636	0.44574
Nitrogen Dioxide	TM8	3	18	22	82	43	4	0.0022	0.0096

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:

(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.

(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Dioxide	TM8	6	3	27	89	43	0	0.0018	0.0076	0.0979	0.0824	0.3648	0.5369	0.2852		0.0635	0.0529	0.1899	0.4402	0.9063	0.3493	0.1343	0.4511	0.0109	0	0
Nitrogen Dioxide	TM8	6	4	27	88	43	0	0.0018	0.0077	0.0982	0.0827	0.3666	0.5399	0.2866		0.0638	0.0532	0.1908	0.4424	0.9109	0.351	0.135	0.4534	0.011	0	0
Nitrogen Dioxide	TM8	6	5	27	89	43	0	0.0018	0.0076	0.0979	0.0824	0.3648	0.5369	0.2852		0.0635	0.0529	0.1899	0.4402	0.9063	0.3493	0.1343	0.4511	0.0109	0	0
Nitrogen Dioxide	TM8	6	6	27	90	43	0	0.0017	0.0075	0.0975	0.0821	0.3631	0.5344	0.2838		0.0631	0.0527	0.1889	0.438	0.9018	0.3473	0.1336	0.4488	0.0107	0	0
Nitrogen Dioxide	TM8	6	7	28	87	43	0	0.0017	0.0074	0.0968	0.0815	0.3584	0.5266	0.2802		0.0623	0.052	0.1866	0.4325	0.8905	0.3432	0.132	0.4432	0.0105	0	0
Nitrogen Dioxide	TM8	6	8	29	82	43	2	0.0017	0.0075	0.0968	0.0814	0.3583	0.5264	0.2801		0.0623	0.0519	0.1865	0.4323	0.8901	0.343	0.1319	0.443	0.0104	0.40325	0.6504
Nitrogen Dioxide	TM8	6	9	29	79	43	11	0.0018	0.0078	0.0979	0.0824	0.3645	0.5364	0.285		0.0634	0.0529	0.1897	0.4398	0.9055	0.349	0.1342	0.4507	0.0108	0.22635	0.36509
Nitrogen Dioxide	TM8	6	10	30	76	43	12	0.0018	0.0077	0.0973	0.0818	0.361	0.5308	0.2823		0.0628	0.0524	0.1879	0.4357	0.8969	0.3456	0.1329	0.4464	0.0106	0.22737	0.36704
Nitrogen Dioxide	TM8	6	11	30	75	43	5	0.0018	0.0078	0.0977	0.0822	0.3632	0.5344	0.284		0.0632	0.0527	0.1891	0.4383	0.9024	0.3477	0.1337	0.4492	0.0108	0.23402	0.37745
Nitrogen Dioxide	TM8	6	12	30	74	43	5	0.0018	0.0079	0.0981	0.0825	0.3654	0.5379	0.2857		0.0636	0.053	0.1902	0.441	0.9079	0.3499	0.1345	0.4519	0.0109	0.27424	0.44232
Nitrogen Dioxide	TM8	6	13	31	73	43	4	0.0018	0.0077	0.0968	0.0814	0.3579	0.5257	0.2798		0.0622	0.0519	0.1863	0.4319	0.8891	0.3426	0.1317	0.4425	0.0104	0.2875	0.46371
Nitrogen Dioxide	TM8	6	14	31	72	43	5	0.0018	0.0078	0.0972	0.0817	0.3602	0.5295	0.2816		0.0627	0.0523	0.1875	0.4347	0.8949	0.3449	0.1326	0.4454	0.0106	0.23316	0.37606
Nitrogen Dioxide	TM8	6	15	30	74	43	5	0.0018	0.0079	0.0981	0.0825	0.3654	0.5379	0.2857		0.0636	0.053	0.1902	0.441	0.9079	0.3499	0.1345	0.4519	0.0109	0.2355	0.37984
Nitrogen Dioxide	TM8	6	16	30	74	43	4	0.0018	0.0079	0.0981	0.0825	0.3654	0.5379	0.2857		0.0636	0.053	0.1902	0.441	0.9079	0.3499	0.1345	0.4519	0.0109	0.34235	0.55218
Nitrogen Dioxide	TM8	6	17	30	75	43	5	0.0018	0.0078	0.0977	0.0822	0.3632	0.5344	0.284		0.0632	0.0527	0.1891	0.4383	0.9024	0.3477	0.1337	0.4492	0.0108	0.23522	0.37939
Nitrogen Dioxide	TM8	6	18	29	79	43	4	0.0018	0.0078	0.0979	0.0824	0.3645	0.5364	0.285		0.0634	0.0529	0.1897	0.4398	0.9055	0.349	0.1342	0.4507	0.0108	0.29312	0.47278
Nitrogen Dioxide	TM8	6	19	29	81	43	5	0.0018	0.0076	0.0971	0.0817	0.3603	0.5297	0.2817		0.0627	0.0523	0.1875	0.4348	0.8952	0.345	0.1326	0.4456	0.0106	0.23202	0.37423
Nitrogen Dioxide	TM8	6	20	28	83	43	3	0.0018	0.0077	0.0982	0.0826	0.3663	0.5393	0.2863		0.0638	0.0532	0.1906	0.442	0.9099	0.3506	0.1348	0.4529	0.011	0.0359	0.0579
Nitrogen Dioxide	TM8	6	21	28	85	43	0	0.0018	0.0076	0.0975	0.082	0.3624	0.5329	0.2833		0.063	0.0526	0.1886	0.4373	0.9002	0.3469	0.1334	0.4481	0.0107	0	0
Nitrogen Dioxide	TM8	6	22	28	86	43	1	0.0017	0.0075	0.0971	0.0817	0.3604	0.5298	0.2818		0.0627	0.0523	0.1876	0.4349	0.8954	0.345	0.1327	0.4457	0.0106	0.0017	0.00274
Nitrogen Dioxide	TM8	6	23	28	87	43	0	0.0017	0.0074	0.0968	0.0815	0.3584	0.5266	0.2802		0.0623	0.052	0.1866	0.4325	0.8905	0.3432	0.132	0.4432	0.0105	0	0
Nitrogen Dioxide	TM8	6	24	28	87	43	0	0.0017	0.0074	0.0968	0.0815	0.3584	0.5266	0.2802		0.0623	0.052	0.1866	0.4325	0.8905	0.3432	0.132	0.4432	0.0105	0	0
Nitrogen Dioxide	TM8	7	1	28	84	43	0	0.0018	0.0077	0.0978	0.0823	0.3643	0.5361	0.2848		0.0634	0.0529	0.1896	0.4396	0.9051	0.3488	0.1341	0.4505	0.0108	0	0
Nitrogen Dioxide	TM8	7	2	28	84	43	0	0.0018	0.0077	0.0978	0.0823	0.3643	0.5361	0.2848		0.0634	0.0529	0.1896	0.4396	0.9051	0.3488	0.1341	0.4505	0.0108	0	0
Nitrogen Dioxide	TM8	7	3	28	86	43	0	0.0017	0.0075	0.0971	0.0817	0.3604	0.5298	0.2818		0.0627	0.0523	0.1876	0.4349	0.8954	0.345	0.1327	0.4457	0.0106	0	0
Nitrogen Dioxide	TM8	7	4	28	86	43	0	0.0017	0.0075	0.0971	0.0817	0.3604	0.5298	0.2818		0.0627	0.0523	0.1876	0.4349	0.8954	0.345	0.1327	0.4457	0.0106	0	0
Nitrogen Dioxide	TM8	7	5	28	86	43	0	0.0017	0.0073	0.0964	0.0812	0.3565	0.5235	0.2787		0.062	0.0517	0.1855	0.4302	0.8857	0.3413	0.1323	0.4408	0.0103	0	0
Nitrogen Dioxide	TM8	7	6	27	88	43	0	0.0018	0.0077	0.0982	0.0827	0.3666	0.5399	0.2866		0.0638	0.0532	0.1908	0.4424	0.9109	0.351	0.135	0.4534	0.011	0	0
Nitrogen Dioxide	TM8	7	7	28	86	43	0	0.0017	0.0075	0.0971	0.0817	0.3604	0.5298	0.2818		0.0627	0.0523	0.1876	0.4349	0.8954	0.345	0.1327	0.4457	0.0106	0	0
Nitrogen Dioxide	TM8	7	8	29	81	43	2	0.0018	0.0076	0.0971	0.0817	0.3603	0.5297	0.2817		0.0627	0.0523	0.1875	0.4348	0.8952	0.345	0.1326	0.4456	0.0106	0.4057	0.65435
Nitrogen Dioxide	TM8	7	9	30	76	43	11	0.0018	0.0077	0.0973	0.0818	0.361	0.5308	0.2823		0.0628	0.0524	0.1879	0.4357	0.8969	0.3456	0.1329	0.4464	0.0106	0.22412	0.36148
Nitrogen Dioxide	TM8	7	10	30	70	43	12	0.0019	0.008	0.0991	0.0834	0.3649	0.537	0.2853		0.0635	0.053	0.1899	0.4403	0.9065	0.3493	0.1343	0.4512	0.0109	0.23013	0.37118
Nitrogen Dioxide	TM8	7	11	31	68	43	5	0.0019	0.0082	0.0989	0.0831	0.3695	0.5446	0.2889		0.0644	0.0537	0.1924	0.4459	0.9181	0.3538	0.136	0.457	0.0112	0.23838	0.38448
Nitrogen Dioxide	TM8	7	12	32	67	43	5	0.0019	0.0081	0.0977	0.0821	0.3625	0.5332	0.2834		0.0631	0.0526	0.1887	0.4374	0.9006	0.3471	0.1334	0.4483	0.0107	0.27196	0.43865
Nitrogen Dioxide	TM8	7	13	32	66	43	4	0.0019	0.0082	0.0981	0.0824	0.365	0.5372	0.2853		0.0635	0.053	0.19	0.4404	0.9068	0.3494	0.1344	0.4513	0.0109	0.2936	0.47355
Nitrogen Dioxide	TM8	7	14	32	66	43	5	0.0019	0.0082	0.0981	0.0824	0.365	0.5372	0.2853		0.0635	0.053	0.19	0.4404	0.9068	0.3494	0.1344	0.4513	0.0109	0.23652	0.38148
Nitrogen Dioxide	TM8	7	15	31	68	43	5	0.0019	0.0082	0.0989	0.0831	0.3695	0.5446	0.2889		0.0644	0.0537	0.1924	0.4459	0.9181	0.3538	0.136	0.457	0.0112	0.23838	0.38448
Nitrogen Dioxide	TM8	7	16	31	69	43	4	0.0019	0.0081	0.0985	0.0828	0.3672	0.5408	0.2871		0.0639	0.0533	0.1911	0.4431	0.9123	0.3516	0.1352	0.4541	0.0111	0.3442	0.55516
Nitrogen Dioxide	TM8	7	17	31	70	43	5	0.0019	0.008	0.0981	0.0824	0.3649	0.537	0.2853		0.0635	0.053	0.1899	0.4403	0.9065	0.3493	0.1343	0.4512	0.0109	0.2364	0.38129
Nitrogen Dioxide	TM8	7	18	30	73	43	4	0.0019	0.008	0.0985	0.0828	0.3676	0.5415	0.2874		0.064	0.0534	0.1914	0.4436	0.9133	0.352	0.1353	0.4546	0.0111	0.29585	0.47718
Nitrogen Dioxide	TM8	7	19	29	76	43	5	0.0019	0.008	0.099	0.0833	0.3707	0.5464	0.2898		0.0646	0.0538	0.193	0.4473	0.921	0.3549	0.1365	0.4584	0.0113	0.23912	0.38568
Nitrogen Dioxide	TM8	7	20	29	79	43	3	0.0018	0.0078	0.0979	0.0824	0.3645	0.5364	0.285		0.0634	0.0529	0.1897	0.4398	0.9055	0.349	0.1342	0.4507	0.0108	0.03583	0.0578
Nitrogen Dioxide	TM8	7	21	29	81	43	0	0.0018	0.0076	0.0971	0.0817	0.3603	0.5297	0.2817		0.0627	0.0523	0.1875	0.4348	0.8952	0.345	0.1326	0.4456	0.0106	0	0
Nitrogen Dioxide	TM8	7	22	29	82	43	1	0.0017	0.0075	0.0968	0.0814	0.3583	0.5264	0.2801		0.0623	0.0519	0.1865	0.4323	0.8901	0.343	0.1319	0.443	0.0104	0.00717	0.00274
Nitrogen Dioxide	TM8	7	23	28	83	43	0	0.0018	0.0077	0.0982	0.0826	0.3663	0.5393	0.2863		0.0638	0.0532	0.1906	0.442	0.9099	0.3506	0.1348	0.4529	0.011	0	0
Nitrogen Dioxide	TM8	7	24	28	84	43	0	0.0018	0.0077	0.0978	0.0823	0.3643	0.5361	0.2848		0.0634	0.0529	0.1896	0.4396	0.9051	0.3488	0.1341	0.4505	0.0108	0	0
Nitrogen Dioxide	TM8	8	1	27	90	43	0	0.0017	0.0075	0.0975	0.0821	0.363	0.534	0.2838		0.0632	0.0527	0.1889	0.438	0.9018	0.3475	0.1336	0.4488	0.0107	0	0
Nitrogen Dioxide	TM8	8	2	26	90	43	0	0.0018	0.0078	0.0993	0.0836	0.3728	0.5499	0.2913		0.065	0.0542	0.1941	0.4499	0.9263	0.357	0.1373	0.461	0.0114	0	0
Nitrogen Dioxide	TM8	8	3	26	91	43	0	0.0018	0.0078	0.099	0.0834	0.3711	0.5471	0.2901		0.0647	0.0539	0.1932	0.4478	0.9222	0.3553	0.1366	0.4589	0.0113	0	0
Nitrogen Dioxide	TM8	8	4	26	92	43	0	0.0018	0.0077	0.0987	0.0831	0.3694	0.5443	0.2888		0.0643	0.0536	0.1923	0.4457	0.9177	0.3536	0.136	0.4568	0.0112	0	0
Nitrogen Dioxide	TM8	8	5	26	93	43	0	0.0018	0.0076	0.0983	0.0828	0.3677	0.5415	0.2874		0.064	0.0534	0.1914	0.4437	0.9134	0.352	0.1353	0.4546	0.011	0	0
Nitrogen Dioxide	TM8	8	6	26	94	43	0	0.0018	0.0076	0.098	0.0826	0.3659	0.5387	0.2861		0.0637	0.0531	0.1905	0.4416	0.9091	0.3503	0.1347	0.4525	0.0109	0	0
Nitrogen Dioxide	TM8	8	7	26	93	43	0	0.0018	0.0076	0.0983	0.0828	0.3677	0.5415	0.2874		0.064	0.0534	0.1914	0.4437	0.9134	0.352	0.1353	0.4546	0.011	0	0
Nitrogen Dioxide	TM8	8	8	27	87	43	2	0.0018	0.0077	0.0985	0.083	0.3685	0.5428	0.2881		0.0642	0.0535	0.1918	0.4447	0.9155	0.3528	0.1356	0.4556	0.0111	0.41545	0.67008
Nitrogen Dioxide	TM8	8	9	27	87	43	11	0.0018	0.0076	0.0971	0.0817	0.3603	0.5297	0.2817		0.0627	0.0523	0.1875	0.4348	0.8952	0.345	0.1326	0.4456	0.0106	0.22366	0.36075
Nitrogen Dioxide	TM8	8	10	30	76	43	12	0.0018	0.0077	0.0973	0.0818	0.361	0.5308	0.2823		0.0628	0.0524	0.1879	0.4357	0.8969	0.3456	0.1329	0.4464	0.0106	0.22737	0.36704
Nitrogen Dioxide	TM8	8	11	30	73	43	5	0.0019	0.008	0.0985	0.0828	0.3676	0.5415	0.2874		0.064	0.0534	0.1914	0.4436	0.9133	0.352	0.1353	0.4546	0.0111	0.23706	0.38235
Nitrogen Dioxide	TM8	8	12	30	73	43	5	0.0019	0.008	0.0985	0.0828	0.3676	0.5415	0.2874		0.064	0.0534	0.1914	0.4436	0.9133	0.352	0.1353	0.4546	0.0111	0.27606	0.44526
Nitrogen Dioxide	TM8	8	13	30	74	43	4	0.0018	0.0079	0.0981	0.0825	0.3654	0.5379	0.2857		0.0636	0.053	0.1902	0.441	0.9079	0.3499	0.1345	0.4519	0.0109	0.29393	0.47407
Nitrogen Dioxide	TM8	8	14	30	74	43	5	0.0018	0.0079	0.0981	0.0825	0.3654	0.5379	0.2857		0.0636	0.053	0.1902	0.441	0.9079	0.3499	0.1345	0.4519	0.0109	0.23672	0.38181
Nitrogen Dioxide	TM8	8	15	30	75	43	5	0.0018	0.0078	0.0977	0.0822	0.3632	0.5344	0.284		0.0632	0.0527	0.1891	0.4383	0.9024	0.3477	0.1337	0.4492	0.0108	0.23402	0.37745
Nitrogen Dioxide	TM8	8	16	29	77	43	4	0.0018	0.0079	0.0986	0.083	0.3686	0.5431	0.2882		0.0642	0.0535	0.1919	0.4448	0.9158	0.3529	0.1357	0.4558	0.0111	0.34538	0.55738
Nitrogen Dioxide	TM8	8	17	29	79	43	5	0.0018	0.0078	0.0979	0.0824	0.3645	0.5364	0.285		0.0634	0.0529	0.1897	0.4398	0.9055	0.349	0.1342	0.4507	0.0108	0.23606	0.38074
Nitrogen Dioxide	TM8	8	18	28	80	43	4	0.0018	0.008	0.0992	0.0835	0.3721	0.5487	0.2909		0.0648	0.054	0.1937	0.449	0.9245	0.3563	0.137	0.4601	0.0113	0.2996	0.48323
Nitrogen Dioxide	TM8	8	19	28	82	43	5	0.0018	0.0078	0.0985	0.0829	0.3682	0.5424	0.2879		0.0641	0.0534	0.1917	0.4443	0.9148	0.3525	0.1355	0.4553	0.0111	0.23738	0.38287
Nitrogen Dioxide	TM8	8	20	28	84	43	3	0.0018	0.0077	0.0978	0.0823	0.3643	0.5361	0.2848		0.0634	0.0529	0.1896	0.4396	0.9051	0.3488	0.1341	0.4505	0.0108	0.03577	0.05769
Nitrogen Dioxide	TM8	8	21	27	85	43	0	0.0018	0.0079	0.0992	0.0835	0.3722	0.5488	0.291		0.0649	0.054	0.1937	0.4491	0.9246	0.3563	0.137	0.4602	0.0113	0	0
Nitrogen Dioxide	TM8	8	22	27	87	43	1	0.0018	0.0077	0.0985	0.083	0.3685	0.5428	0.2881		0.0642	0.0535	0.1918	0.4447	0.9155	0.3528	0.1356	0.4556	0.0111	0.0018	0.0029
Nitrogen Dioxide	TM8	8	23	27	88	43	0	0.0018	0.0077	0.0982	0.0827	0.3666	0.5399	0.2866		0.0638	0.0532	0.1908	0.4424	0.9109	0.351	0.135	0.4534	0.011	0	0
Nitrogen Dioxide	TM8	8	24	27	89	43	0	0.0018	0.0076	0.0979	0.0824	0.3648	0.5369	0.2852		0.0635	0.0529	0.1899	0.4402	0.9063	0.3493	0.1343	0.4511	0.0109	0	0
Nitrogen Dioxide	TM8	9	1	27	89	43	0	0.0018	0.0076	0.0979	0.0824	0.3648	0.5369	0.2852		0.0635	0.0529	0.1899	0.4402	0.9063	0.3493	0.1343	0.4511	0.0109	0	0
Nitrogen Dioxide	TM8	9	2	26	91	43	0	0.0018	0.0079	0.0996	0.0839	0.3746	0.5527	0.2928		0.0653	0.0544	0.195	0.4522	0.9306	0.3586	0.1379	0.4632	0.0115	0	0
Nitrogen Dioxide	TM8	9	3	26	91	43	0	0.0018	0.0078	0.099	0.0834	0.3711	0.5471	0.2901		0.0647	0.0539	0.1932	0.4478	0.922	0.3553	0.1366	0.4589	0.0113	0	0
Nitrogen Dioxide	TM8	9	4	26	92	43	0	0.0018	0.0077	0.0987	0.0831	0.3694	0.5443	0.2888		0.0643	0.0536	0.1923	0.4457	0.9177	0.3536	0.136	0.4568	0.0112	0	0
Nitrogen Dioxide	TM8	9	5	26	92	43	0	0.0018	0.0077	0.0987	0.0831	0.3694	0.5443	0.2888		0.0643	0.0536	0.1923	0.4457	0.9177	0.3536	0.136	0.4568	0.0112	0	0
Nitrogen Dioxide	TM8	9	6	26	93	43	0	0.0018	0.0076	0.0983	0.0828	0.3677	0.5415	0.2874		0.064	0.0534	0.1914	0.4437	0.9134	0.352	0.1353	0.4546	0.011	0	0
Nitrogen Dioxide	TM8	9	7	26	93	43	0	0.0018	0.0076	0.0983	0.0828	0.3677	0.5415	0.2874		0.064	0.0534	0.1914	0.4437	0.9134	0.352	0.1353	0.4546	0.011	0	0
Nitrogen Dioxide	TM8	9	8	27	88	43	2	0.0018	0.0077	0.0982	0.0827	0.3666	0.5399	0.2866		0.0638	0.0532	0.1908	0.4424	0.9109	0.351	0.135	0.4534	0.011	0.41325	0.66653
Nitrogen Dioxide	TM8	9	9	28	83	43	11	0.0018	0.0077	0.0982	0.0826	0.3663	0.5393	0.2863		0.0638	0.0532	0.1906	0.442	0.9099	0.3506	0.1348	0.4529	0.011	0.2275	0.36694
Nitrogen Dioxide	TM8	9	10	29	78	43	12	0.0018	0.0078	0.0983	0.0827	0.3666	0.5397	0.2866		0.0638	0.0532	0.1908	0.4423	0.9107	0.3509	0.1349	0.4533	0.011	0.23122	0.37293
Nitrogen Dioxide	TM8	9	11	29	76	43	5	0.0019	0.008	0.099	0.0833	0.3707	0.5464	0.2898		0.0646	0.0538	0.193	0.4473	0.921	0.3549	0.1365	0.4584	0.0113	0.23912	0.38568
Nitrogen Dioxide	TM8	9	12	29	76	43	5	0.0019	0.008	0.099	0.0833	0.3707	0.5464	0.2898		0.0646	0.0538	0.193	0.4473	0.921	0.3549	0.1365	0.4584	0.0113	0.2785	0.44919
Nitrogen Dioxide	TM8	9	13	30	75	43	4	0.0018	0.0077	0.0977	0.0822	0.3632	0.5344	0.284		0.0632	0.0527	0.1891	0.4383	0.9024	0.3477	0.1337	0.4492	0.0108	0.29288	0.47109
Nitrogen Dioxide	TM8	9	14	29	75	43	5	0.0019	0.0081	0.0994	0.0836	0.3728	0.5498	0.2914		0.065	0.0541	0.194	0.4498	0.9261	0.3569	0.1372	0.461	0.0114	0.2418	0.39
Nitrogen Dioxide	TM8	9	15	29	77	43	5	0.0018	0.0079	0.0986	0.083	0.3686	0.5431	0.2882		0.0642	0.0535	0.1919	0.4448	0.9158	0.3529	0.1357	0.4558	0.0111	0.23768	0.38335
Nitrogen Dioxide	TM8	9	16	29	76	43	4	0.0019	0.008	0.099	0.0833	0.3707	0.5464	0.2898		0.0646	0.0538	0.193	0.4473	0.921	0.3549	0.1365	0.4584	0.0113	0.34765	0.56073
Nitrogen Dioxide	TM8	9	17	29	78	43	5	0.0018	0.0078	0.0983	0.0827	0.3666	0.5397	0.2866		0.0638	0.0532	0.1908	0.4423	0.9107	0.3509	0.1349	0.4533	0.011	0.23746	0.383
Nitrogen Dioxide	TM8	9	18	28	81	43	4	0.0018	0.0079	0.0989	0.0832	0.3702	0.5456	0.2894		0.0643	0.0537	0.1927	0.4467	0.9196	0.3544	0.1363	0.4577	0.0112	0.29798	0.4806
Nitrogen Dioxide	TM8	9	19	27	84	43	5	0.0018	0.008	0.0995	0.0838	0.3741	0.5517	0.2924		0.0652	0.0543	0.1947	0.4513	0.9291	0.3581	0.1377	0.4625	0.0115	0.2413	0.38919
Nitrogen Dioxide	TM8	9	20	27	86	43	3	0.0018	0.0078	0.0989	0.0832	0.3703	0.5458	0.2895		0.0645	0.0538	0.1928	0.4469	0.92	0.3545	0.1363	0.4579	0.0112	0.03617	0.05833
Nitrogen Dioxide	TM8	9	21	27	87	43	0	0.0018	0.0077	0.0985	0.083	0.3685	0.5428	0.2881		0.0642	0.0535	0.1918	0.4447	0.9155	0.3528	0.1356	0.4556	0.0111	0	0
Nitrogen Dioxide	TM8	9	22	27	89	43	1	0.0018	0.0076	0.0979	0.0824	0.3648	0.5369	0.2852		0.0635	0.0529	0.1899	0.4402	0.9063	0.3493	0.1343	0.4511	0.0109	0.0018	0.0029
Nitrogen Dioxide	TM8	9	23	27	89	43	0	0.0018	0.

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:

(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.

(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Dioxide	TM8	12	8	15	69	43	2	0.0029	0.0126	0.1171	0.0982	0.4698	0.7135	0.3673		0.0832	0.0692	0.2449	0.5669	1.1671	0.4498	0.1729	0.5809	0.0191	0.5404	0.87161
Nitrogen Dioxide	TM8	12	9	16	65	43	11	0.0028	0.0124	0.117	0.0981	0.4694	0.712	0.3669		0.0831	0.0691	0.2447	0.5664	1.1661	0.4494	0.1728	0.5804	0.0189	0.29606	0.47752
Nitrogen Dioxide	TM8	12	10	17	62	43	12	0.0028	0.0121	0.1167	0.098	0.4682	0.7093	0.3661		0.0829	0.0689	0.244	0.565	1.1633	0.4483	0.1724	0.579	0.0186	0.30004	0.48394
Nitrogen Dioxide	TM8	12	11	18	58	43	5	0.0027	0.0119	0.1166	0.098	0.4683	0.7085	0.3661		0.0828	0.0688	0.2441	0.5651	1.1633	0.4483	0.1724	0.5791	0.0185	0.29645	0.3078
Nitrogen Dioxide	TM8	12	12	19	57	43	5	0.0027	0.0116	0.116	0.0975	0.4653	0.7029	0.3638		0.0822	0.0683	0.2425	0.5615	1.156	0.4455	0.1713	0.5754	0.0181	0.35678	0.57545
Nitrogen Dioxide	TM8	12	13	19	56	43	4	0.0027	0.0117	0.1162	0.0977	0.4664	0.7047	0.3646		0.0824	0.0685	0.2431	0.5628	1.1587	0.4465	0.1717	0.5767	0.0182	0.38208	0.61625
Nitrogen Dioxide	TM8	12	14	19	56	43	5	0.0027	0.0117	0.1162	0.0977	0.4664	0.7047	0.3646		0.0824	0.0685	0.2431	0.5628	1.1587	0.4465	0.1717	0.5767	0.0182	0.308	0.49677
Nitrogen Dioxide	TM8	12	15	19	56	43	5	0.0027	0.0117	0.1162	0.0977	0.4664	0.7047	0.3646		0.0824	0.0685	0.2431	0.5628	1.1587	0.4465	0.1717	0.5767	0.0182	0.3062	0.49387
Nitrogen Dioxide	TM8	12	16	19	57	43	4	0.0027	0.0116	0.116	0.0975	0.4653	0.7029	0.3638		0.0822	0.0683	0.2425	0.5615	1.156	0.4455	0.1713	0.5754	0.0181	0.4453	0.71823
Nitrogen Dioxide	TM8	12	17	18	60	43	5	0.0027	0.0119	0.1162	0.0976	0.4662	0.7052	0.3645		0.0824	0.0685	0.243	0.5626	1.1582	0.4463	0.1716	0.5765	0.0183	0.30824	0.49716
Nitrogen Dioxide	TM8	12	18	18	64	43	4	0.0027	0.0117	0.1155	0.097	0.4621	0.6984	0.3612		0.0817	0.0679	0.2408	0.5576	1.1479	0.4424	0.1701	0.5714	0.0181	0.37875	0.61089
Nitrogen Dioxide	TM8	12	19	17	65	43	5	0.0027	0.012	0.1161	0.0975	0.4653	0.7045	0.3638		0.0823	0.0685	0.2425	0.5615	1.156	0.4455	0.1713	0.5754	0.0184	0.3061	0.49371
Nitrogen Dioxide	TM8	12	20	17	66	43	3	0.0027	0.012	0.116	0.0974	0.4644	0.7029	0.363		0.0821	0.0683	0.242	0.5603	1.1536	0.4446	0.1709	0.5742	0.0184	0.04357	0.07027
Nitrogen Dioxide	TM8	12	21	17	66	43	0	0.0027	0.012	0.116	0.0974	0.4644	0.7029	0.363		0.0821	0.0683	0.242	0.5603	1.1536	0.4446	0.1709	0.5742	0.0184	0	0
Nitrogen Dioxide	TM8	12	22	16	66	43	1	0.0028	0.0123	0.1168	0.098	0.4685	0.7105	0.3662		0.0829	0.069	0.2442	0.5653	1.1638	0.4485	0.1724	0.5793	0.0188	0.00228	0.00452
Nitrogen Dioxide	TM8	12	23	16	66	43	0	0.0028	0.0123	0.1168	0.098	0.4685	0.7105	0.3662		0.0829	0.069	0.2442	0.5653	1.1638	0.4485	0.1724	0.5793	0.0188	0	0
Nitrogen Dioxide	TM8	12	24	16	67	43	0	0.0028	0.0123	0.1166	0.0979	0.4676	0.709	0.3655		0.0828	0.0688	0.2437	0.5642	1.1616	0.4476	0.1721	0.5782	0.0188	0	0
Nitrogen Dioxide	TM9	1	1	17	76	38	0	0.0028	0.0121	0.1213	0.1027	0.4827	0.7371	0.389		0.087	0.0727	0.2568	0.5946	1.2117	0.4751	0.1807	0.614	0.0181	0	0
Nitrogen Dioxide	TM9	1	2	17	77	38	0	0.0028	0.0121	0.1211	0.1025	0.4817	0.7354	0.3882		0.0868	0.0726	0.2562	0.5934	1.2091	0.4741	0.1803	0.6127	0.018	0	0
Nitrogen Dioxide	TM9	1	3	17	77	38	0	0.0028	0.0121	0.1211	0.1025	0.4817	0.7354	0.3882		0.0868	0.0726	0.2562	0.5934	1.2091	0.4741	0.1803	0.6127	0.018	0	0
Nitrogen Dioxide	TM9	1	4	17	77	38	0	0.0028	0.0121	0.1211	0.1025	0.4817	0.7354	0.3882		0.0868	0.0726	0.2562	0.5934	1.2091	0.4741	0.1803	0.6127	0.018	0	0
Nitrogen Dioxide	TM9	1	5	17	78	38	0	0.0028	0.0121	0.121	0.1024	0.4807	0.7337	0.3873		0.0866	0.0724	0.2557	0.5921	1.2066	0.4731	0.1799	0.6114	0.018	0	0
Nitrogen Dioxide	TM9	1	6	17	77	38	0	0.0028	0.0121	0.1211	0.1025	0.4817	0.7354	0.3882		0.0868	0.0726	0.2562	0.5934	1.2091	0.4741	0.1803	0.6127	0.018	0	0
Nitrogen Dioxide	TM9	1	7	16	77	38	2	0.0029	0.0125	0.1221	0.1033	0.4868	0.7446	0.3923		0.0878	0.0734	0.259	0.5996	1.2219	0.4791	0.1822	0.6192	0.0185	0.0077	0.01242
Nitrogen Dioxide	TM9	1	8	17	77	38	23	0.0028	0.0121	0.1211	0.1025	0.4817	0.7354	0.3882		0.0868	0.0726	0.2562	0.5934	1.2091	0.4741	0.1803	0.6127	0.018	0.40788	0.65803
Nitrogen Dioxide	TM9	1	9	17	73	38	58	0.0028	0.0123	0.1219	0.1031	0.4858	0.7422	0.3915		0.0875	0.0732	0.2584	0.5984	1.2195	0.4781	0.1818	0.6179	0.0183	0.33551	0.57341
Nitrogen Dioxide	TM9	1	10	17	69	38	67	0.0027	0.0117	0.1207	0.1022	0.4799	0.7338	0.3867		0.0863	0.0722	0.2553	0.5912	1.2047	0.4723	0.1796	0.6105	0.0176	0.34765	0.56073
Nitrogen Dioxide	TM9	1	11	20	64	38	36	0.0026	0.0115	0.1208	0.1024	0.4807	0.7313	0.3874		0.0865	0.0723	0.2557	0.5922	1.2067	0.4731	0.1799	0.6115	0.0175	0.35881	0.57872
Nitrogen Dioxide	TM9	1	12	21	62	38	29	0.0026	0.0114	0.1203	0.1019	0.478	0.7261	0.3852		0.0859	0.0718	0.2542	0.5888	1.1999	0.4705	0.1789	0.608	0.0172	0.38754	0.62507
Nitrogen Dioxide	TM9	1	13	21	61	38	36	0.0026	0.0115	0.1205	0.1021	0.4794	0.7283	0.3863		0.0862	0.072	0.2549	0.5905	1.2033	0.4718	0.1794	0.6097	0.0173	0.39268	0.63335
Nitrogen Dioxide	TM9	1	14	21	62	38	29	0.0026	0.0114	0.1203	0.1019	0.478	0.7261	0.3852		0.0859	0.0718	0.2542	0.5888	1.1999	0.4705	0.1789	0.608	0.0172	0.37841	0.61034
Nitrogen Dioxide	TM9	1	15	21	62	38	36	0.0026	0.0114	0.1203	0.1019	0.478	0.7261	0.3852		0.0859	0.0718	0.2542	0.5888	1.1999	0.4705	0.1789	0.608	0.0172	0.3564	0.57484
Nitrogen Dioxide	TM9	1	16	21	63	38	28	0.0026	0.0114	0.12	0.1017	0.4767	0.7239	0.3841		0.0856	0.0716	0.2535	0.5872	1.1966	0.4692	0.1784	0.6063	0.0171	0.4001	0.64533
Nitrogen Dioxide	TM9	1	17	20	67	38	27	0.0026	0.0114	0.1201	0.1018	0.477	0.7251	0.3844		0.0857	0.0717	0.2537	0.5875	1.1973	0.4694	0.1785	0.6067	0.0173	0.37734	0.60861
Nitrogen Dioxide	TM9	1	18	19	72	38	35	0.0026	0.0115	0.12	0.1017	0.4764	0.725	0.3839		0.0857	0.0717	0.2534	0.5869	1.1959	0.4689	0.1783	0.606	0.0174	0.3658	0.59
Nitrogen Dioxide	TM9	1	19	18	74	38	36	0.0027	0.0118	0.1207	0.1022	0.4796	0.7311	0.3865		0.0863	0.0722	0.2551	0.5908	1.2038	0.472	0.1795	0.61	0.0177	0.35859	0.57837
Nitrogen Dioxide	TM9	1	20	18	74	38	17	0.0027	0.0118	0.1207	0.1022	0.4796	0.7311	0.3865		0.0863	0.0722	0.2551	0.5908	1.2038	0.472	0.1795	0.61	0.0177	0.19419	0.31321
Nitrogen Dioxide	TM9	1	21	18	75	38	3	0.0027	0.0118	0.1205	0.102	0.4785	0.7292	0.3856		0.0861	0.072	0.2545	0.5894	1.2011	0.4709	0.1791	0.6086	0.0177	0.25797	0.41608
Nitrogen Dioxide	TM9	1	22	18	76	38	1	0.0027	0.0117	0.1203	0.1019	0.4774	0.7274	0.3847		0.0859	0.0719	0.2539	0.5881	1.1983	0.4699	0.1787	0.6072	0.0176	0.0027	0.00435
Nitrogen Dioxide	TM9	1	23	18	75	38	0	0.0027	0.0118	0.1205	0.102	0.4785	0.7292	0.3856		0.0861	0.072	0.2545	0.5894	1.2011	0.4709	0.1791	0.6086	0.0177	0	0
Nitrogen Dioxide	TM9	1	24	17	76	38	0	0.0028	0.0121	0.1213	0.1027	0.4827	0.7371	0.389		0.087	0.0727	0.2568	0.5946	1.2117	0.4751	0.1807	0.614	0.0181	0	0
Nitrogen Dioxide	TM9	2	1	17	78	38	0	0.0028	0.0121	0.121	0.1024	0.4807	0.7337	0.3873		0.0866	0.0724	0.2557	0.5921	1.2066	0.4731	0.1799	0.6114	0.018	0	0
Nitrogen Dioxide	TM9	2	2	17	80	38	0	0.0027	0.012	0.1206	0.102	0.4786	0.7303	0.3857		0.0862	0.0721	0.2546	0.5896	1.2014	0.4711	0.1791	0.6088	0.0178	0	0
Nitrogen Dioxide	TM9	2	3	17	81	38	0	0.0027	0.0119	0.1204	0.1019	0.4776	0.7286	0.3849		0.086	0.0719	0.2542	0.5883	1.1988	0.47	0.1788	0.6075	0.0178	0	0
Nitrogen Dioxide	TM9	2	4	17	82	38	0	0.0027	0.0119	0.1202	0.1017	0.4766	0.7269	0.384		0.0858	0.0718	0.2535	0.587	1.1963	0.469	0.1784	0.6062	0.0177	0	0
Nitrogen Dioxide	TM9	2	5	16	83	38	0	0.0028	0.0123	0.1211	0.1024	0.481	0.7351	0.3876		0.0867	0.0725	0.2559	0.5925	1.2074	0.4734	0.18	0.6118	0.0181	0	0
Nitrogen Dioxide	TM9	2	6	16	83	38	0	0.0028	0.0123	0.1211	0.1024	0.481	0.7351	0.3876		0.0867	0.0725	0.2559	0.5925	1.2074	0.4734	0.18	0.6118	0.0181	0	0
Nitrogen Dioxide	TM9	2	7	16	83	38	2	0.0028	0.0123	0.1211	0.1024	0.481	0.7351	0.3876		0.0867	0.0725	0.2559	0.5925	1.2074	0.4734	0.18	0.6118	0.0181	0.00755	0.01218
Nitrogen Dioxide	TM9	2	8	17	81	38	23	0.0027	0.0119	0.1204	0.1019	0.4776	0.7286	0.3849		0.086	0.0719	0.2542	0.5883	1.1988	0.47	0.1788	0.6075	0.0178	0.04027	0.06205
Nitrogen Dioxide	TM9	2	9	18	77	38	58	0.0027	0.0117	0.1201	0.1017	0.4763	0.7256	0.3838		0.0857	0.0717	0.2533	0.5867	1.1956	0.4688	0.1783	0.6058	0.0175	0.34789	0.56112
Nitrogen Dioxide	TM9	2	10	19	73	38	67	0.0026	0.0115	0.1198	0.1015	0.4752	0.7231	0.383		0.0855	0.0715	0.2528	0.5854	1.1929	0.4677	0.1779	0.6045	0.0173	0.34409	0.55499
Nitrogen Dioxide	TM9	2	11	20	70	38	36	0.0026	0.0112	0.1194	0.1012	0.4732	0.719	0.3813		0.085	0.0711	0.2517	0.5829	1.1878	0.4657	0.1771	0.6019	0.017	0.3529	0.56919
Nitrogen Dioxide	TM9	2	12	20	68	38	29	0.0026	0.0113	0.1199	0.1016	0.4757	0.7231	0.3833		0.0855	0.0715	0.253	0.586	1.1941	0.4682	0.1781	0.6051	0.0172	0.38586	0.62235
Nitrogen Dioxide	TM9	2	13	21	65	38	28	0.0026	0.0113	0.1195	0.1013	0.474	0.7195	0.382		0.0851	0.0712	0.2521	0.5839	1.1899	0.4665	0.1774	0.6029	0.0169	0.38806	0.6259
Nitrogen Dioxide	TM9	2	14	21	65	38	29	0.0026	0.0113	0.1195	0.1013	0.4741	0.7195	0.382		0.0851	0.0712	0.2521	0.5839	1.1899	0.4665	0.1774	0.6029	0.0169	0.37507	0.60495
Nitrogen Dioxide	TM9	2	15	21	66	38	36	0.0026	0.0112	0.1193	0.1011	0.4727	0.7173	0.3809		0.0849	0.071	0.2514	0.5823	1.1865	0.4652	0.1769	0.6012	0.0168	0.35219	0.56805
Nitrogen Dioxide	TM9	2	16	20	68	38	28	0.0026	0.0113	0.1199	0.1016	0.4757	0.7231	0.3833		0.0855	0.0715	0.253	0.586	1.1941	0.4682	0.1781	0.6051	0.0172	0.39955	0.64443
Nitrogen Dioxide	TM9	2	17	20	70	38	27	0.0026	0.0112	0.1194	0.1012	0.4732	0.719	0.3813		0.085	0.0711	0.2517	0.5829	1.1878	0.4657	0.1771	0.6019	0.017	0.3742	0.60355
Nitrogen Dioxide	TM9	2	18	19	74	38	35	0.0026	0.0114	0.1196	0.1013	0.4741	0.7212	0.382		0.0852	0.0713	0.2521	0.584	1.19	0.4666	0.1774	0.603	0.0172	0.36392	0.58697
Nitrogen Dioxide	TM9	2	19	18	76	38	36	0.0027	0.0117	0.1203	0.1019	0.4774	0.7274	0.3847		0.0859	0.0719	0.2539	0.5881	1.1983	0.4699	0.1787	0.6072	0.0176	0.35682	0.57552
Nitrogen Dioxide	TM9	2	20	18	78	38	17	0.0027	0.0119	0.1209	0.1025	0.4752	0.7238	0.3829		0.0855	0.0715	0.2527	0.5854	1.1928	0.4677	0.1779	0.6044	0.0174	0.19235	0.31025
Nitrogen Dioxide	TM9	2	21	18	78	38	3	0.0027	0.0116	0.1199	0.1015	0.4752	0.7238	0.3829		0.0855	0.0715	0.2527	0.5854	1.1928	0.4677	0.1779	0.6044	0.0174	0.25617	0.41317
Nitrogen Dioxide	TM9	2	22	18	78	38	1	0.0027	0.0116	0.1199	0.1015	0.4752	0.7238	0.3829		0.0855	0.0715	0.2527	0.5854	1.1928	0.4677	0.1779	0.6044	0.0174	0.0027	0.00435
Nitrogen Dioxide	TM9	2	23	18	78	38	0	0.0027	0.0116	0.1199	0.1015	0.4752	0.7238	0.3829		0.0855	0.0715	0.2527	0.5854	1.1928	0.4677	0.1779	0.6044	0.0174	0	0
Nitrogen Dioxide	TM9	2	24	18	78	38	0	0.0027	0.0116	0.1199	0.1015	0.4752	0.7238	0.3829		0.0855	0.0715	0.2527	0.5854	1.1928	0.4677	0.1779	0.6044	0.0174	0	0
Nitrogen Dioxide	TM9	3	1	21	86	38	0	0.0023	0.0102	0.1145	0.0971	0.4446	0.6735	0.3594		0.0799	0.0668	0.2371	0.5494	1.2195	0.4389	0.1669	0.5673	0.0151	0	0
Nitrogen Dioxide	TM9	3	2	20	87	38	0	0.0024	0.0104	0.1156	0.098	0.4519	0.684	0.3642		0.081	0.0678	0.2403	0.5567	1.1344	0.4448	0.1692	0.5749	0.0156	0	0
Nitrogen Dioxide	TM9	3	3	20	87	38	0	0.0024	0.0104	0.1156	0.098	0.4519	0.684	0.3642		0.081	0.0678	0.2403	0.5567	1.1344	0.4448	0.1692	0.5749	0.0156	0	0
Nitrogen Dioxide	TM9	3	4	20	87	38	0	0.0024	0.0104	0.1156	0.098	0.4519	0.684	0.3642		0.081	0.0678	0.2403	0.5567	1.1344	0.4448	0.1692	0.5749	0.0156	0	0
Nitrogen Dioxide	TM9	3	5	20	87	38	0	0.0024	0.0104	0.1156	0.098	0.4519	0.684	0.3642		0.081	0.0678	0.2403	0.5567	1.1344	0.4448	0.1692	0.5749	0.0156	0	0
Nitrogen Dioxide	TM9	3	6	20	87	38	0	0.0024	0.0104	0.1156	0.098	0.4519	0.684	0.3642		0.081	0.0678	0.2403	0.5567	1.1344	0.4448	0.1692	0.5749	0.0156	0	0
Nitrogen Dioxide	TM9	3	7	20	87	38	2	0.0024	0.0104	0.1156	0.098	0.4519	0.684	0.3642		0.081	0.0678	0.2403	0.5567	1.1344	0.4448	0.1692	0.5749	0.0156	0.0064	0.01032
Nitrogen Dioxide	TM9	3	8	20	86	38	23	0.0024	0.0105	0.1158	0.0982	0.4532	0.6861	0.3652		0.0813	0.068	0.241	0.5582	1.1376	0.446	0.1696	0.5765	0.0157	0.38141	0.61518
Nitrogen Dioxide	TM9	3	9	21	83	38	58	0.0024	0.0104	0.1152	0.0977	0.45	0.6801	0.3626		0.0806	0.0675	0.2392	0.5543	1.1295	0.4429	0.1684	0.5724	0.0154	0.32699	0.5274
Nitrogen Dioxide	TM9	3	10	22	79	38	67	0.0024	0.0103	0.1149	0.0974	0.4483	0.6766	0.3613		0.0803	0.0672	0.2383	0.5522	1.1253	0.4412	0.1678	0.5702	0.0151	0.32284	0.52071
Nitrogen Dioxide	TM9	3	11	22	78	38	36	0.0024	0.0103	0.1152	0.0976	0.4497	0.6789	0.3624		0.0805	0.0674	0.2391	0.554	1.1289	0.4426	0.1683	0.572	0.0152	0.33384	0.53845
Nitrogen Dioxide	TM9	3	12	23	77	38	29	0.0023	0.0101	0.1141	0.0968	0.4439	0.6688	0.3577		0.0794	0.0665	0.236	0.5468	1.1143	0.4369	0.1661	0.5646	0.0147	0.33421	0.53712
Nitrogen Dioxide	TM9	3	13	23	77	38	28	0.0023	0.0101	0.1141	0.0968	0.4439	0.6688	0.3577		0.0794	0.0665	0.236	0.5468	1.1143	0.4369	0.1661	0.5646	0.0147	0.36153	0.58312
Nitrogen Dioxide	TM9	3	14	23	77	38	29	0.0023	0.0101	0.1141	0.0968	0.4439	0.6688	0.3577		0.0794	0.0665	0.236	0.5468	1.1143	0.4369	0.1661	0.5646	0.0147	0.34941	0.56357
Nitrogen Dioxide	TM9	3	15	23	76	38	36	0.0023	0.0102	0.1144	0.097	0.4454	0.6712	0.3589		0.0797	0.0667	0.2368	0.5487	1.1181	0.4384	0.1667	0.5666	0.0148	0.3302	0.53258
Nitrogen Dioxide	TM9	3	16	23	77	38	28	0.0023	0.0101	0.1141	0.0968	0.4439	0.6688	0.3577		0.0794	0.0665	0.236	0.5468	1.1143	0.4369	0.1661	0.5646	0.0147	0.37051	0.5976
Nitrogen Dioxide	TM9	3	17	22	79	38	27	0.0024	0.0103	0.1149	0.0974	0.4483	0.6766	0.3613		0.0803	0.0672	0.2383	0.5522	1.1253	0.4412	0.1678	0.5702	0.0151	0.35225	0.56895
Nitrogen Dioxide	TM9	3	18	22	82	38	35	0.0023	0.0101	0.1142	0.0968	0.444	0.6696	0.3578		0.0795	0.0665	0.2361	0.547	1.1146	0.4371	0.1662	0.5648	0.0149	0.3387	0.54629
Nitrogen Dioxide	TM9	3	19	21	84	38	36	0.0024	0.0103	0.115	0.0975	0.4486	0.6779	0.3615		0.0804	0.0673	0.2385	0.5526	1.1262	0.4416	0.1679	0.5707	0.0153	0.33326	0.53752
Nitrogen Dioxide	TM9	3	20	21	85	38	17	0.0024	0.0103	0.1148	0.0973	0.4473	0.6757	0.3605		0.0801	0.067	0.2378	0.551	1.1228	0.4402	0.1674	0.569	0.0152	0.18049	0.29111
Nitrogen Dioxide	TM9	3	21	21	86	38	3	0.0023	0.0102	0.1145	0.0971	0.446	0.6735	0.3594		0.0799	0.0668	0.2371	0.5494	1.1195	0.4389	0.1669	0.5673	0.0151	0.24037	0.38769
Nitrogen Dioxide	TM9	3	22	21	86	38	1	0.0023	0.0102	0.1145	0.0971	0.446	0.6735	0.3594		0.0799	0.0668	0.2371	0.5494	1.1195	0.4389	0.1669	0.5673	0.0151	0.0023	0.00371
Nitrogen Dioxide	TM9	3	23	21	85	38	0	0.0024	0.0103	0.1148	0.0973	0.4473	0.6757	0.3605		0.0801	0.067	0.2378	0.551	1.1228	0.4402	0.1674	0.569	0.0152	0	0
Nitrogen Dioxide	TM9	3	24	21	85	38	0	0.0023	0.0102	0.1145	0.0971	0.446	0.6735	0.3594		0.0799	0.0668	0.2371	0.5494	1.1195	0.4389	0.1669	0.5673	0.0151	0	0
Nitrogen Dioxide	TM9	4	1	20	83	38	0	0.0024	0.0106	0.1165	0.0987	0.4569	0.6922	0.3682		0.082	0.0686	0.243	0.5629	1.147	0.4497	0.171	0.5812	0.016	0	0
Nitrogen Dioxide	TM9	4	2	20	85	38	0	0.0024	0.0105	0.116	0.0984	0.4544	0.6881	0.3662		0.0815	0.0682	0.2416	0.5598	1.1407	0.4473	0.1701	0.578	0.0158	0	0
Nitrogen Dioxide	TM9	4	3	20	84	38	0	0.0024	0.0106	0.1163	0.0985	0.4557	0.6902	0.3672		0.0817	0.0684	0.2423	0.5613	1.1439	0.4485	0.1706	0.5796	0.0159	0	0
Nitrogen Diox

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:

(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.

(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Dioxide	TM9	6	13	31	73	38	28	0.0019	0.0081	0.1029	0.087	0.38	0.5638	0.3062		0.0674	0.0565	0.2018	0.468	0.9538	0.374	0.1422	0.4833	0.0107	0.30638	0.49416
Nitrogen Dioxide	TM9	6	14	31	72	38	29	0.0019	0.0083	0.1033	0.0874	0.3824	0.5678	0.3082		0.0678	0.0569	0.2032	0.4711	0.96	0.3764	0.1431	0.4865	0.0108	0.29814	0.48087
Nitrogen Dioxide	TM9	6	15	30	74	38	36	0.0019	0.0083	0.1043	0.0883	0.388	0.5769	0.3126		0.0689	0.0578	0.2061	0.4779	0.9739	0.3818	0.1452	0.4935	0.0112	0.28498	0.45965
Nitrogen Dioxide	TM9	6	16	30	74	38	28	0.0019	0.0083	0.1043	0.0883	0.388	0.5769	0.3126		0.0689	0.0578	0.2061	0.4779	0.9739	0.3818	0.1452	0.4935	0.0112	0.32091	0.51759
Nitrogen Dioxide	TM9	6	17	30	75	38	27	0.0019	0.0083	0.1038	0.0879	0.3856	0.5731	0.3108		0.0684	0.0574	0.2049	0.475	0.968	0.3795	0.1443	0.4905	0.011	0.30007	0.48399
Nitrogen Dioxide	TM9	6	18	29	79	38	35	0.0019	0.0082	0.104	0.0881	0.387	0.5752	0.3118		0.0687	0.0576	0.2056	0.4767	0.9714	0.3809	0.1448	0.4922	0.0111	0.29223	0.47134
Nitrogen Dioxide	TM9	6	19	29	81	38	36	0.0019	0.008	0.1032	0.0874	0.3826	0.568	0.3083		0.0679	0.0569	0.2032	0.4713	0.9603	0.3765	0.1432	0.4866	0.0108	0.28072	0.45277
Nitrogen Dioxide	TM9	6	20	28	83	38	17	0.0019	0.0082	0.1043	0.0884	0.3889	0.5783	0.3134		0.069	0.0579	0.2066	0.479	0.9761	0.3827	0.1455	0.4946	0.0112	0.15616	0.25188
Nitrogen Dioxide	TM9	6	21	28	85	38	3	0.0019	0.008	0.1036	0.0878	0.3847	0.5715	0.31		0.0683	0.0572	0.2044	0.4739	0.9657	0.3786	0.144	0.4893	0.0109	0.2073	0.33435
Nitrogen Dioxide	TM9	6	22	28	86	38	1	0.0018	0.0079	0.1032	0.0874	0.3826	0.5682	0.3083		0.0679	0.0569	0.2033	0.4713	0.9605	0.3766	0.1432	0.4867	0.0108	0.0018	0.0029
Nitrogen Dioxide	TM9	6	23	28	87	38	0	0.0018	0.0078	0.1028	0.0871	0.3806	0.5648	0.3067		0.0675	0.0566	0.2022	0.4688	0.9553	0.3746	0.1424	0.4841	0.0107	0	0
Nitrogen Dioxide	TM9	6	24	28	87	38	0	0.0018	0.0078	0.1028	0.0871	0.3806	0.5648	0.3067		0.0675	0.0566	0.2022	0.4688	0.9553	0.3746	0.1424	0.4841	0.0107	0	0
Nitrogen Dioxide	TM9	7	1	28	84	38	0	0.0019	0.0081	0.104	0.0881	0.3868	0.5749	0.3117		0.0686	0.0576	0.2055	0.4764	0.9709	0.3807	0.1448	0.492	0.0111	0	0
Nitrogen Dioxide	TM9	7	2	28	84	38	0	0.0019	0.0081	0.104	0.0881	0.3868	0.5749	0.3117		0.0686	0.0576	0.2055	0.4764	0.9709	0.3807	0.1448	0.492	0.0111	0	0
Nitrogen Dioxide	TM9	7	3	28	86	38	0	0.0018	0.0079	0.1032	0.0874	0.3826	0.5682	0.3083		0.0679	0.0569	0.2033	0.4713	0.9605	0.3766	0.1432	0.4867	0.0108	0	0
Nitrogen Dioxide	TM9	7	4	28	86	38	0	0.0018	0.0079	0.1032	0.0874	0.3826	0.5682	0.3083		0.0679	0.0569	0.2033	0.4713	0.9605	0.3766	0.1432	0.4867	0.0108	0	0
Nitrogen Dioxide	TM9	7	5	28	88	38	0	0.0018	0.0077	0.1025	0.0868	0.3785	0.5614	0.305		0.0671	0.0563	0.2011	0.4662	0.9501	0.3725	0.1417	0.4814	0.0106	0	0
Nitrogen Dioxide	TM9	7	6	27	88	38	0	0.0019	0.0081	0.1044	0.0885	0.3893	0.579	0.3137		0.0691	0.0579	0.2068	0.4795	0.9771	0.3831	0.1457	0.4951	0.0112	0	0
Nitrogen Dioxide	TM9	7	7	28	86	38	2	0.0018	0.0079	0.1032	0.0874	0.3826	0.5682	0.3083		0.0679	0.0569	0.2033	0.4713	0.9605	0.3766	0.1432	0.4867	0.0108	0.00485	0.00782
Nitrogen Dioxide	TM9	7	8	29	81	38	23	0.0019	0.008	0.1032	0.0874	0.3826	0.568	0.3083		0.0679	0.0569	0.2032	0.4713	0.9603	0.3765	0.1432	0.4866	0.0108	0.31747	0.51204
Nitrogen Dioxide	TM9	7	9	30	76	38	58	0.0019	0.0082	0.1034	0.0875	0.3833	0.5692	0.3089		0.068	0.057	0.2036	0.4722	0.9622	0.3772	0.1435	0.4876	0.0109	0.27559	0.44451
Nitrogen Dioxide	TM9	7	10	31	70	38	67	0.002	0.0085	0.1042	0.0882	0.3874	0.5759	0.3122		0.0688	0.0577	0.2058	0.4772	0.9724	0.3813	0.145	0.4928	0.0111	0.27632	0.44568
Nitrogen Dioxide	TM9	7	11	31	68	38	36	0.002	0.0087	0.1051	0.0889	0.3924	0.584	0.3162		0.0697	0.0585	0.2085	0.4833	0.9849	0.3862	0.1469	0.4991	0.0114	0.28846	0.46526
Nitrogen Dioxide	TM9	7	12	32	67	38	29	0.002	0.0085	0.1038	0.0878	0.3849	0.5718	0.3101		0.0683	0.0573	0.2045	0.4741	0.9661	0.3788	0.1441	0.4896	0.011	0.30731	0.49566
Nitrogen Dioxide	TM9	7	13	32	66	38	28	0.002	0.0086	0.1043	0.0882	0.3875	0.5761	0.3123		0.0688	0.0577	0.2059	0.4773	0.9727	0.3814	0.145	0.4929	0.0111	0.31289	0.50467
Nitrogen Dioxide	TM9	7	14	32	66	38	29	0.002	0.0086	0.1043	0.0882	0.3875	0.5761	0.3123		0.0688	0.0577	0.2059	0.4773	0.9727	0.3814	0.145	0.4929	0.0111	0.3024	0.48774
Nitrogen Dioxide	TM9	7	15	31	68	38	36	0.002	0.0087	0.1051	0.0889	0.3924	0.584	0.3162		0.0697	0.0585	0.2085	0.4833	0.9849	0.3862	0.1469	0.4991	0.0114	0.28846	0.46526
Nitrogen Dioxide	TM9	7	16	31	69	38	28	0.002	0.0086	0.1047	0.0885	0.3899	0.58	0.3142		0.0692	0.0581	0.2071	0.4803	0.9786	0.3837	0.1459	0.4959	0.0113	0.32265	0.5204
Nitrogen Dioxide	TM9	7	17	31	70	38	27	0.002	0.0085	0.1042	0.0882	0.3874	0.5759	0.3122		0.0688	0.0577	0.2058	0.4772	0.9724	0.3813	0.145	0.4928	0.0111	0.30155	0.48637
Nitrogen Dioxide	TM9	7	18	30	73	38	35	0.002	0.0084	0.1047	0.0886	0.3903	0.5807	0.3145		0.0695	0.0581	0.2074	0.4808	0.9797	0.3841	0.1461	0.4965	0.0113	0.29497	0.47576
Nitrogen Dioxide	TM9	7	19	29	76	38	36	0.002	0.0085	0.1052	0.0891	0.3936	0.586	0.3172		0.0699	0.0586	0.2091	0.4848	0.9879	0.3874	0.1473	0.5006	0.0115	0.28939	0.46676
Nitrogen Dioxide	TM9	7	20	29	79	38	17	0.0019	0.0082	0.1043	0.0884	0.3889	0.5783	0.3134		0.069	0.0579	0.2066	0.479	0.9761	0.3827	0.1455	0.4946	0.0112	0.15539	0.25063
Nitrogen Dioxide	TM9	7	21	29	81	38	3	0.0019	0.008	0.1032	0.0874	0.3826	0.568	0.3083		0.0679	0.0569	0.2032	0.4713	0.9603	0.3765	0.1432	0.4866	0.0108	0.20617	0.33253
Nitrogen Dioxide	TM9	7	22	29	82	38	1	0.0018	0.0079	0.1028	0.0871	0.3804	0.5645	0.3065		0.0674	0.0566	0.2021	0.4685	0.9548	0.3744	0.1424	0.4838	0.0107	0.0018	0.0029
Nitrogen Dioxide	TM9	7	23	28	83	38	0	0.0019	0.0082	0.1043	0.0884	0.3889	0.5783	0.3134		0.069	0.0579	0.2066	0.479	0.9761	0.3827	0.1455	0.4946	0.0112	0	0
Nitrogen Dioxide	TM9	7	24	28	84	38	0	0.0019	0.0081	0.104	0.0881	0.3868	0.5749	0.3117		0.0686	0.0576	0.2055	0.4764	0.9709	0.3807	0.1448	0.492	0.0111	0	0
Nitrogen Dioxide	TM9	8	1	27	90	38	0	0.0018	0.0079	0.1037	0.0879	0.3854	0.5726	0.3105		0.0684	0.0573	0.2047	0.4747	0.9673	0.3793	0.1442	0.4902	0.011	0	0
Nitrogen Dioxide	TM9	8	2	27	90	38	0	0.0019	0.0083	0.1055	0.0895	0.3959	0.5897	0.3195		0.0703	0.059	0.2103	0.4876	0.9936	0.3896	0.1482	0.5035	0.0116	0	0
Nitrogen Dioxide	TM9	8	3	26	91	38	0	0.0019	0.0082	0.1052	0.0892	0.394	0.5867	0.3175		0.07	0.0587	0.2093	0.4854	0.989	0.3878	0.1475	0.5012	0.0115	0	0
Nitrogen Dioxide	TM9	8	4	26	92	38	0	0.0019	0.0081	0.1049	0.0889	0.3922	0.5837	0.316		0.0697	0.0584	0.2084	0.4831	0.9844	0.386	0.1468	0.4988	0.0114	0	0
Nitrogen Dioxide	TM9	8	5	26	93	38	0	0.0019	0.0081	0.1045	0.0886	0.3904	0.5807	0.3146		0.0693	0.0581	0.2074	0.4808	0.9798	0.3842	0.1461	0.4965	0.0113	0	0
Nitrogen Dioxide	TM9	8	6	26	94	38	0	0.0019	0.008	0.1042	0.0883	0.3885	0.5777	0.3131		0.069	0.0578	0.2064	0.4786	0.9752	0.3824	0.1454	0.4942	0.0112	0	0
Nitrogen Dioxide	TM9	8	7	26	93	38	2	0.0019	0.0081	0.1045	0.0886	0.3904	0.5807	0.3146		0.0693	0.0581	0.2074	0.4808	0.9798	0.3842	0.1461	0.4965	0.0113	0.005	0.00806
Nitrogen Dioxide	TM9	8	8	27	87	38	23	0.0019	0.0082	0.1047	0.0887	0.3912	0.5822	0.3153		0.0695	0.0582	0.2079	0.4819	0.982	0.385	0.1464	0.4976	0.0114	0.32518	0.52348
Nitrogen Dioxide	TM9	8	9	29	81	38	58	0.0019	0.008	0.1032	0.0874	0.3826	0.568	0.3083		0.0679	0.0569	0.2032	0.4713	0.9603	0.3765	0.1432	0.4866	0.0108	0.27502	0.44357
Nitrogen Dioxide	TM9	8	10	30	76	38	67	0.0019	0.0082	0.1034	0.0875	0.3833	0.5692	0.3089		0.068	0.057	0.2036	0.4722	0.9622	0.3772	0.1435	0.4876	0.0109	0.27318	0.44061
Nitrogen Dioxide	TM9	8	11	30	73	38	36	0.002	0.0084	0.1047	0.0886	0.3903	0.5807	0.3145		0.0693	0.0581	0.2074	0.4808	0.9797	0.3841	0.1461	0.4965	0.0113	0.28684	0.46264
Nitrogen Dioxide	TM9	8	12	30	73	38	29	0.002	0.0084	0.1047	0.0886	0.3903	0.5807	0.3145		0.0693	0.0581	0.2074	0.4808	0.9797	0.3841	0.1461	0.4965	0.0113	0.31192	0.50309
Nitrogen Dioxide	TM9	8	13	30	74	38	28	0.0019	0.0083	0.1043	0.0883	0.388	0.5769	0.3126		0.0689	0.0578	0.2061	0.4779	0.9739	0.3818	0.1452	0.4935	0.0112	0.31324	0.50522
Nitrogen Dioxide	TM9	8	14	30	74	38	29	0.0019	0.0083	0.1043	0.0883	0.388	0.5769	0.3126		0.0689	0.0578	0.2061	0.4779	0.9739	0.3818	0.1452	0.4935	0.0112	0.30272	0.48826
Nitrogen Dioxide	TM9	8	15	30	75	38	36	0.0019	0.0083	0.1038	0.0879	0.3856	0.5731	0.3108		0.0684	0.0574	0.2049	0.475	0.968	0.3795	0.1443	0.4905	0.011	0.28318	0.45675
Nitrogen Dioxide	TM9	8	16	29	77	38	28	0.0019	0.0084	0.1048	0.0888	0.3914	0.5824	0.3154		0.0695	0.0583	0.2079	0.4821	0.9824	0.3852	0.1463	0.4978	0.0114	0.3239	0.52241
Nitrogen Dioxide	TM9	8	17	29	79	38	27	0.0019	0.0082	0.104	0.0881	0.387	0.5752	0.3118		0.0687	0.0576	0.2056	0.4767	0.9714	0.3809	0.1448	0.4922	0.0111	0.30112	0.48568
Nitrogen Dioxide	TM9	8	18	28	80	38	35	0.0019	0.0084	0.1055	0.0893	0.3951	0.5884	0.3184		0.0702	0.0588	0.2099	0.4867	0.9917	0.3888	0.1479	0.5025	0.0116	0.29875	0.48185
Nitrogen Dioxide	TM9	8	19	28	84	38	36	0.0019	0.0082	0.1047	0.0887	0.3909	0.5817	0.3151		0.0694	0.0582	0.2077	0.4815	0.9813	0.3847	0.1463	0.4973	0.0113	0.28726	0.46332
Nitrogen Dioxide	TM9	8	20	28	84	38	17	0.0019	0.0081	0.104	0.0881	0.3868	0.5749	0.3117		0.0686	0.0576	0.2055	0.4764	0.9709	0.3807	0.1448	0.492	0.0111	0.15531	0.2505
Nitrogen Dioxide	TM9	8	21	27	85	38	3	0.0019	0.0083	0.1054	0.0893	0.3951	0.5885	0.3184		0.0702	0.0588	0.2099	0.4867	0.9918	0.3889	0.1479	0.5026	0.0116	0.2129	0.34339
Nitrogen Dioxide	TM9	8	22	27	87	38	1	0.0019	0.0082	0.1047	0.0887	0.3912	0.5822	0.3153		0.0695	0.0582	0.2079	0.4819	0.982	0.385	0.1464	0.4976	0.0114	0.0019	0.00306
Nitrogen Dioxide	TM9	8	23	27	88	38	0	0.0019	0.0081	0.1044	0.0885	0.3893	0.579	0.3137		0.0691	0.0579	0.2068	0.4795	0.9771	0.3831	0.1457	0.4951	0.0112	0	0
Nitrogen Dioxide	TM9	8	24	27	89	38	0	0.0019	0.008	0.104	0.0882	0.3873	0.5758	0.3121		0.0687	0.0576	0.2058	0.4771	0.9722	0.3812	0.145	0.4927	0.0111	0	0
Nitrogen Dioxide	TM9	9	1	27	89	38	0	0.0019	0.008	0.104	0.0882	0.3873	0.5758	0.3121		0.0687	0.0576	0.2058	0.4771	0.9722	0.3812	0.145	0.4927	0.0111	0	0
Nitrogen Dioxide	TM9	9	2	26	89	38	0	0.0019	0.0083	0.1059	0.0897	0.3977	0.5927	0.3205		0.0707	0.0592	0.2113	0.4899	0.9982	0.3914	0.1488	0.5058	0.0118	0	0
Nitrogen Dioxide	TM9	9	3	26	91	38	0	0.0019	0.0082	0.1052	0.0892	0.394	0.5867	0.3175		0.07	0.0587	0.2093	0.4854	0.989	0.3878	0.1475	0.5012	0.0115	0	0
Nitrogen Dioxide	TM9	9	4	26	92	38	0	0.0019	0.0081	0.1049	0.0889	0.3922	0.5837	0.316		0.0697	0.0584	0.2084	0.4831	0.9844	0.386	0.1468	0.4988	0.0114	0	0
Nitrogen Dioxide	TM9	9	5	26	92	38	0	0.0019	0.0081	0.1049	0.0889	0.3922	0.5837	0.316		0.0697	0.0584	0.2084	0.4831	0.9844	0.386	0.1468	0.4988	0.0114	0	0
Nitrogen Dioxide	TM9	9	6	26	93	38	0	0.0019	0.0081	0.1045	0.0886	0.3904	0.5807	0.3146		0.0693	0.0581	0.2074	0.4808	0.9798	0.3842	0.1461	0.4965	0.0113	0	0
Nitrogen Dioxide	TM9	9	7	26	93	38	2	0.0019	0.0081	0.1045	0.0886	0.3904	0.5807	0.3146		0.0693	0.0581	0.2074	0.4808	0.9798	0.3842	0.1461	0.4965	0.0113	0.005	0.00806
Nitrogen Dioxide	TM9	9	8	27	88	38	23	0.0019	0.0081	0.1044	0.0885	0.3893	0.579	0.3137		0.0691	0.0579	0.2068	0.4795	0.9771	0.3831	0.1457	0.4951	0.0112	0.32343	0.52165
Nitrogen Dioxide	TM9	9	9	28	83	38	58	0.0019	0.0082	0.1043	0.0884	0.3889	0.5783	0.3134		0.069	0.0579	0.2066	0.479	0.9761	0.3827	0.1455	0.4946	0.0112	0.27981	0.4513
Nitrogen Dioxide	TM9	9	10	29	78	38	67	0.0019	0.0083	0.1044	0.0884	0.3892	0.5788	0.3136		0.0691	0.0579	0.2068	0.4794	0.9769	0.383	0.1457	0.495	0.0112	0.2776	0.44775
Nitrogen Dioxide	TM9	9	11	29	76	38	36	0.002	0.0085	0.1052	0.0891	0.3936	0.586	0.3172		0.0699	0.0586	0.2091	0.4848	0.9879	0.3874	0.1473	0.5006	0.0115	0.28939	0.46676
Nitrogen Dioxide	TM9	9	12	29	76	38	29	0.002	0.0085	0.1052	0.0891	0.3936	0.586	0.3172		0.0699	0.0586	0.2091	0.4848	0.9879	0.3874	0.1473	0.5006	0.0115	0.3147	0.50758
Nitrogen Dioxide	TM9	9	13	30	75	38	28	0.0019	0.0083	0.1038	0.0879	0.3856	0.5731	0.3108		0.0684	0.0574	0.2049	0.475	0.968	0.3795	0.1443	0.4905	0.011	0.31126	0.50203
Nitrogen Dioxide	TM9	9	14	29	75	38	29	0.002	0.0085	0.1056	0.0894	0.3958	0.5896	0.3189		0.0703	0.059	0.2103	0.4875	0.9935	0.3895	0.1481	0.5034	0.0116	0.30919	0.4987
Nitrogen Dioxide	TM9	9	15	29	77	38	36	0.0019	0.0084	0.1048	0.0888	0.3914	0.5824	0.3154		0.0695	0.0583	0.2079	0.4821	0.9824	0.3852	0.1463	0.4978	0.0114	0.28763	0.46392
Nitrogen Dioxide	TM9	9	16	29	76	38	28	0.002	0.0085	0.1052	0.0891	0.3936	0.586	0.3172		0.0699	0.0586	0.2091	0.4848	0.9879	0.3874	0.1473	0.5006	0.0115	0.32587	0.52559
Nitrogen Dioxide	TM9	9	17	29	78	38	27	0.0019	0.0083	0.1044	0.0884	0.3892	0.5788	0.3136		0.0691	0.0579	0.2068	0.4794	0.9769	0.383	0.1457	0.495	0.0112	0.30296	0.48864
Nitrogen Dioxide	TM9	9	18	28	81	38	35	0.0019	0.0083	0.1051	0.089	0.393	0.5851	0.3167		0.0698	0.0585	0.2088	0.4841	0.9865	0.3868	0.1471	0.4999	0.0115	0.2971	0.47919
Nitrogen Dioxide	TM9	9	19	27	84	38	36	0.0019	0.0084	0.1058	0.0896	0.3971	0.5917	0.32		0.0706	0.0591	0.211	0.4891	0.9967	0.3908	0.1486	0.5051	0.0117	0.29207	0.47108
Nitrogen Dioxide	TM9	9	20	27	86	38	17	0.0019	0.0082	0.1051	0.089	0.3932	0.5853	0.3168		0.0698	0.0585	0.2089	0.4843	0.9869	0.387	0.1472	0.5001	0.0115	0.15788	0.25465
Nitrogen Dioxide	TM9	9	21	27	87	38	3	0.0019	0.0082	0.1047	0.0887	0.3912	0.5822	0.3153		0.0695	0.0582	0.2079	0.4819	0.982	0.385	0.1464	0.4976	0.0114	0.21083	0.34005
Nitrogen Dioxide	TM9	9	22	27	89	38	1	0.0019	0.008	0.104	0.0882	0.3873	0.5758	0.3121		0.0687	0.0576	0.2058	0.4771	0.9722	0.3812	0.145	0.4927	0.0111	0.0019	0.00306
Nitrogen Dioxide	TM9	9	23	27	89	38	0	0.0019	0.008	0.104	0.0882	0.3873	0.5758	0.3121		0.0687	0.0576	0.2058	0.4771	0.9722	0.3812	0.145	0.4927	0.0111	0	0
Nitrogen Dioxide	TM9	9	24	26	89	38	0	0.0019	0.0083	0.1059	0.0897	0.3977	0.5927	0.3205		0.0707	0.0592	0.2113	0.4899	0.9982	0.3914	0.1488	0.5058	0.0118	0	0
Nitrogen Dioxide	TM9	10	1	24	74	38	0	0.0023	0.01	0.1136	0.0963	0.4411	0.6636	0.3555		0.0788	0.066	0.2345	0.5434	1.1073	0.4341	0.1651	0.5611	0.0145	0	0
Nitrogen Dioxide	TM9	10	2	23	74	38	0	0.0024	0.0103	0.115	0.0974	0.4485	0.6762	0.3614		0.0803	0.0672	0.2384	0.5524	1.1257	0.4414	0.1679	0.5704	0.015	0	0
Nitrogen Dioxide	TM9	10	3	23	74	38	0	0.0024	0.0103	0.115	0.0974	0.4485	0.6762	0.3614		0.0803	0.0672	0.2384	0.5524	1.1257	0.4414	0.1679	0.5704	0.015	0	0
Nitrogen Dioxide	TM9	10	4	23	75	38	0	0.0024	0.0102	0.1147	0.0972	0.4469	0.6737	0.3602		0.08	0.0669	0.2376	0.5506	1.1219	0.4399	0.1673	0.5685	0.0149	0	0
Nitrogen Dioxide	TM9	10	5	23	75	38	0	0.0024	0.0103	0.115	0.0974	0.4485	0.6762	0.3614		0.0803	0.0672	0.2384	0.5524	1.1257	0.4414	0.1679	0.5704	0.015	0	0
Nitrogen Dioxide	TM9	10	6	23	75	38	0	0.0024	0.0102	0.1147	0.0972	0.4469	0.6737	0.3602		0.08	0.0669	0.2376	0.5506	1.1219	0.4399	0.1673	0.5685	0.0149	0	0
Nitrogen Dioxide	TM9	10	7	23	75	38	2	0.0024	0.0102	0.1147	0.0972	0.4469	0.6737	0.3602		0.08	0.0669	0.2376	0.5506	1.1219	0.4399	0.1673	0.5685	0.0149	0.0063	0.01016
Nitrogen Dioxide	TM9	10	8	23	72	38	23	0.0024	0.0104	0.1155	0.0979	0.4515	0.6812	0.3638		0.0808	0.0676	0.24	0.5562	1.1333	0.4444	0.169	0.5743	0.0152	0.37905	0.61137
Nitrogen Dioxide	TM9	10

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:

(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.

(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Dioxide	TM9	12	18	18	64	38	35	0.0028	0.0123	0.1227	0.1039	0.4906	0.7492	0.3953		0.0884	0.0739	0.261	0.6043	1.2314	0.4828	0.1836	0.624	0.0185	0.37769	0.60917
Nitrogen Dioxide	TM9	12	19	17	65	38	36	0.0029	0.0126	0.1234	0.1044	0.494	0.7557	0.3981		0.0891	0.0745	0.2628	0.6086	1.2401	0.4862	0.1849	0.6284	0.0188	0.37034	0.59732
Nitrogen Dioxide	TM9	12	20	17	66	38	12	0.0029	0.0126	0.1232	0.1042	0.493	0.754	0.3973		0.0889	0.0743	0.2623	0.6073	1.2375	0.4852	0.1845	0.6271	0.0188	0.19993	0.32247
Nitrogen Dioxide	TM9	12	21	17	66	38	3	0.0029	0.0126	0.1232	0.1042	0.493	0.754	0.3973		0.0889	0.0743	0.2623	0.6073	1.2375	0.4852	0.1845	0.6271	0.0188	0.14263	0.22996
Nitrogen Dioxide	TM9	12	22	16	66	38	1	0.003	0.013	0.1241	0.1049	0.4974	0.7621	0.4008		0.0898	0.0751	0.2646	0.6127	1.2485	0.4895	0.1862	0.6326	0.0192	0.003	0.00484
Nitrogen Dioxide	TM9	12	23	16	66	38	0	0.003	0.013	0.1241	0.1049	0.4974	0.7621	0.4008		0.0898	0.0751	0.2646	0.6127	1.2485	0.4895	0.1862	0.6326	0.0192	0	0
Nitrogen Dioxide	TM9	12	24	16	67	38	0	0.003	0.013	0.1239	0.1047	0.4964	0.7605	0.4		0.0896	0.0749	0.2641	0.6115	1.246	0.4886	0.1858	0.6314	0.0192	0	0
Nitrogen Dioxide	TM10	1	1	17	76	38	0	0.0028	0.0121	0.1213	0.1027	0.4827	0.7371	0.3893		0.087	0.0727	0.2568	0.5946	1.2117	0.4751	0.1807	0.614	0.0181	0	0
Nitrogen Dioxide	TM10	1	2	17	77	38	0	0.0028	0.0121	0.1211	0.1025	0.4817	0.7354	0.3882		0.0868	0.0726	0.2562	0.5934	1.2091	0.4741	0.1803	0.6127	0.018	0	0
Nitrogen Dioxide	TM10	1	3	17	77	38	0	0.0028	0.0121	0.1211	0.1025	0.4817	0.7354	0.3882		0.0868	0.0726	0.2562	0.5934	1.2091	0.4741	0.1803	0.6127	0.018	0	0
Nitrogen Dioxide	TM10	1	4	17	77	38	0	0.0028	0.0121	0.1211	0.1025	0.4817	0.7354	0.3882		0.0868	0.0726	0.2562	0.5934	1.2091	0.4741	0.1803	0.6127	0.018	0	0
Nitrogen Dioxide	TM10	1	5	17	78	38	0	0.0028	0.0121	0.121	0.1024	0.4807	0.7337	0.3873		0.0866	0.0724	0.2557	0.5921	1.2066	0.4731	0.1799	0.6114	0.018	0	0
Nitrogen Dioxide	TM10	1	6	17	77	38	0	0.0028	0.0121	0.1211	0.1025	0.4817	0.7354	0.3882		0.0868	0.0726	0.2562	0.5934	1.2091	0.4741	0.1803	0.6127	0.018	0	0
Nitrogen Dioxide	TM10	1	7	16	77	38	2	0.0029	0.0125	0.1221	0.1033	0.4868	0.7446	0.3923		0.0878	0.0734	0.259	0.5996	1.2219	0.4791	0.1822	0.6192	0.0185	0.0027	0.01242
Nitrogen Dioxide	TM10	1	8	17	77	38	23	0.0028	0.0121	0.1211	0.1025	0.4817	0.7354	0.3882		0.0868	0.0726	0.2562	0.5934	1.2091	0.4741	0.1803	0.6127	0.018	0.40798	0.65803
Nitrogen Dioxide	TM10	1	9	17	73	38	58	0.0028	0.0123	0.1219	0.1031	0.4858	0.7422	0.3915		0.0875	0.0732	0.2584	0.5984	1.2195	0.4781	0.1818	0.6179	0.0183	0.35551	0.57341
Nitrogen Dioxide	TM10	1	10	19	69	38	67	0.0027	0.0117	0.1207	0.1022	0.4799	0.7308	0.3867		0.0863	0.0722	0.2553	0.5912	1.2047	0.4723	0.1796	0.6105	0.0176	0.34765	0.56073
Nitrogen Dioxide	TM10	1	11	20	64	38	36	0.0026	0.0115	0.1208	0.1024	0.4807	0.7313	0.3874		0.0865	0.0723	0.2557	0.5922	1.2067	0.4731	0.1799	0.6115	0.0175	0.33881	0.57872
Nitrogen Dioxide	TM10	1	12	21	62	38	29	0.0026	0.0114	0.1203	0.1019	0.478	0.7261	0.3852		0.0859	0.0718	0.2542	0.5888	1.1999	0.4705	0.1789	0.608	0.0172	0.38754	0.62507
Nitrogen Dioxide	TM10	1	13	21	61	38	28	0.0026	0.0115	0.1205	0.1021	0.4794	0.7283	0.3863		0.0862	0.072	0.2549	0.5905	1.2033	0.4718	0.1794	0.6097	0.0173	0.39268	0.63335
Nitrogen Dioxide	TM10	1	14	21	62	38	29	0.0026	0.0114	0.1203	0.1019	0.4781	0.7261	0.3852		0.0859	0.0718	0.2542	0.5888	1.1999	0.4705	0.1789	0.608	0.0172	0.37941	0.61034
Nitrogen Dioxide	TM10	1	15	21	62	38	36	0.0026	0.0114	0.1203	0.1019	0.478	0.7261	0.3852		0.0859	0.0718	0.2542	0.5888	1.1999	0.4705	0.1789	0.608	0.0172	0.3564	0.57484
Nitrogen Dioxide	TM10	1	16	21	63	38	28	0.0026	0.0114	0.12	0.1017	0.4767	0.7239	0.3841		0.0856	0.0716	0.2535	0.5872	1.1966	0.4692	0.1784	0.6063	0.0171	0.4001	0.64533
Nitrogen Dioxide	TM10	1	17	20	67	38	27	0.0026	0.0114	0.1201	0.1018	0.477	0.7251	0.3844		0.0857	0.0717	0.2537	0.5875	1.1973	0.4694	0.1785	0.6067	0.0173	0.37734	0.60861
Nitrogen Dioxide	TM10	1	18	19	72	38	35	0.0026	0.0115	0.12	0.1017	0.4764	0.725	0.3839		0.0857	0.0717	0.2534	0.5869	1.1959	0.4689	0.1783	0.606	0.0174	0.3658	0.59
Nitrogen Dioxide	TM10	1	19	18	74	38	36	0.0027	0.0118	0.1207	0.1022	0.4796	0.7311	0.3865		0.0863	0.0722	0.2551	0.5908	1.2038	0.472	0.1795	0.61	0.0177	0.35859	0.57837
Nitrogen Dioxide	TM10	1	20	18	74	38	17	0.0027	0.0118	0.1207	0.1022	0.4796	0.7311	0.3865		0.0863	0.0722	0.2551	0.5908	1.2038	0.472	0.1795	0.61	0.0177	0.19419	0.31321
Nitrogen Dioxide	TM10	1	21	18	75	38	3	0.0027	0.0118	0.1205	0.102	0.4785	0.7292	0.3856		0.0861	0.072	0.2545	0.5894	1.2011	0.4709	0.1791	0.6086	0.0177	0.25797	0.41608
Nitrogen Dioxide	TM10	1	22	18	76	38	1	0.0027	0.0117	0.1203	0.1019	0.4774	0.7274	0.3847		0.0859	0.0719	0.2539	0.5881	1.1983	0.4699	0.1787	0.6072	0.0176	0.0027	0.00435
Nitrogen Dioxide	TM10	1	23	18	75	38	0	0.0027	0.0118	0.1205	0.102	0.4785	0.7292	0.3856		0.0861	0.072	0.2545	0.5894	1.2011	0.4709	0.1791	0.6086	0.0177	0	0
Nitrogen Dioxide	TM10	2	1	17	78	38	0	0.0028	0.0121	0.121	0.1024	0.4807	0.7337	0.3873		0.0866	0.0724	0.2557	0.5921	1.2066	0.4731	0.1799	0.6114	0.018	0	0
Nitrogen Dioxide	TM10	2	2	17	80	38	0	0.0027	0.012	0.1206	0.102	0.4786	0.7303	0.3857		0.0862	0.0721	0.2546	0.5896	1.2014	0.4711	0.1791	0.6088	0.0178	0	0
Nitrogen Dioxide	TM10	2	3	17	81	38	0	0.0027	0.0119	0.1204	0.1019	0.4776	0.7286	0.3849		0.086	0.0719	0.254	0.5883	1.1988	0.47	0.1788	0.6075	0.0178	0	0
Nitrogen Dioxide	TM10	2	4	17	82	38	0	0.0027	0.0119	0.1202	0.1017	0.4766	0.7269	0.384		0.0858	0.0718	0.2535	0.587	1.1963	0.469	0.1784	0.6062	0.0177	0	0
Nitrogen Dioxide	TM10	2	5	16	83	38	0	0.0028	0.0123	0.1211	0.1024	0.481	0.7351	0.3876		0.0867	0.0725	0.2559	0.5925	1.2074	0.4734	0.18	0.6118	0.0181	0	0
Nitrogen Dioxide	TM10	2	6	16	83	38	0	0.0028	0.0123	0.1211	0.1024	0.481	0.7351	0.3876		0.0867	0.0725	0.2559	0.5925	1.2074	0.4734	0.18	0.6118	0.0181	0	0
Nitrogen Dioxide	TM10	2	7	16	81	38	2	0.0028	0.0123	0.1211	0.1024	0.481	0.7351	0.3876		0.0867	0.0725	0.2559	0.5925	1.2074	0.4734	0.18	0.6118	0.0181	0.00755	0.01218
Nitrogen Dioxide	TM10	2	8	17	81	38	23	0.0027	0.0119	0.1204	0.1019	0.4776	0.7286	0.3849		0.086	0.0719	0.254	0.5883	1.1988	0.47	0.1788	0.6075	0.0178	0.40427	0.65205
Nitrogen Dioxide	TM10	2	9	18	77	38	58	0.0027	0.0117	0.1201	0.1017	0.4763	0.7256	0.3838		0.0857	0.0717	0.2533	0.5867	1.1956	0.4688	0.1783	0.6058	0.0175	0.34789	0.56112
Nitrogen Dioxide	TM10	2	10	19	73	38	67	0.0026	0.0115	0.1198	0.1015	0.4752	0.7231	0.383		0.0855	0.0715	0.2528	0.5854	1.1929	0.4677	0.1779	0.6045	0.0173	0.34409	0.55499
Nitrogen Dioxide	TM10	2	11	20	70	38	36	0.0026	0.0112	0.1194	0.1012	0.4732	0.719	0.3813		0.085	0.0711	0.2517	0.5829	1.1878	0.4657	0.1771	0.6019	0.017	0.3529	0.56919
Nitrogen Dioxide	TM10	2	12	20	68	38	29	0.0026	0.0113	0.1199	0.1016	0.4757	0.7231	0.3833		0.0855	0.0715	0.2531	0.586	1.1941	0.4682	0.1781	0.6051	0.0172	0.38586	0.62235
Nitrogen Dioxide	TM10	2	13	21	65	38	28	0.0026	0.0113	0.1195	0.1013	0.4741	0.7195	0.3812		0.0851	0.0712	0.2521	0.5809	1.1999	0.4665	0.1774	0.6029	0.0169	0.38806	0.6259
Nitrogen Dioxide	TM10	2	14	21	62	38	29	0.0026	0.0113	0.1195	0.1013	0.474	0.7195	0.382		0.0851	0.0712	0.2521	0.5839	1.1899	0.4665	0.1774	0.6029	0.0169	0.37507	0.60495
Nitrogen Dioxide	TM10	2	15	21	66	38	36	0.0026	0.0112	0.1193	0.1011	0.4727	0.7173	0.3809		0.0849	0.071	0.2514	0.5823	1.1865	0.4652	0.1769	0.6012	0.0168	0.35219	0.56805
Nitrogen Dioxide	TM10	2	16	20	68	38	28	0.0026	0.0113	0.1199	0.1016	0.4757	0.7231	0.3833		0.0855	0.0715	0.253	0.586	1.1941	0.4682	0.1781	0.6051	0.0172	0.39955	0.64443
Nitrogen Dioxide	TM10	2	17	20	70	38	27	0.0026	0.0112	0.1194	0.1012	0.4732	0.719	0.3813		0.085	0.0711	0.2517	0.5829	1.1878	0.4657	0.1771	0.6019	0.017	0.3742	0.60355
Nitrogen Dioxide	TM10	2	18	19	74	38	35	0.0026	0.0114	0.1196	0.1013	0.4741	0.7212	0.3821		0.0853	0.0713	0.2521	0.584	1.1911	0.4666	0.1774	0.6033	0.0173	0.36392	0.58697
Nitrogen Dioxide	TM10	2	19	18	76	38	36	0.0027	0.0117	0.1203	0.1019	0.4774	0.7274	0.3847		0.0859	0.0719	0.2539	0.5881	1.1983	0.4699	0.1787	0.6072	0.0176	0.35682	0.57552
Nitrogen Dioxide	TM10	2	20	18	78	38	17	0.0027	0.0116	0.1199	0.1015	0.4752	0.7238	0.3829		0.0855	0.0715	0.2527	0.5854	1.1928	0.4677	0.1779	0.6044	0.0174	0.19235	0.31025
Nitrogen Dioxide	TM10	2	21	18	78	38	3	0.0027	0.0116	0.1199	0.1015	0.4752	0.7238	0.3829		0.0855	0.0715	0.2527	0.5854	1.1928	0.4677	0.1779	0.6044	0.0174	0.25617	0.41317
Nitrogen Dioxide	TM10	2	22	18	78	38	1	0.0027	0.0116	0.1199	0.1015	0.4752	0.7238	0.3829		0.0855	0.0715	0.2527	0.5854	1.1928	0.4677	0.1779	0.6044	0.0174	0.0027	0.00435
Nitrogen Dioxide	TM10	2	23	18	78	38	0	0.0027	0.0116	0.1199	0.1015	0.4752	0.7238	0.3829		0.0855	0.0715	0.2527	0.5854	1.1928	0.4677	0.1779	0.6044	0.0174	0	0
Nitrogen Dioxide	TM10	2	24	18	78	38	0	0.0027	0.0116	0.1199	0.1015	0.4752	0.7238	0.3829		0.0855	0.0715	0.2527	0.5854	1.1928	0.4677	0.1779	0.6044	0.0174	0	0
Nitrogen Dioxide	TM10	3	1	21	86	38	0	0.0023	0.0102	0.1145	0.0971	0.446	0.6735	0.3594		0.0799	0.0668	0.2371	0.5494	1.1195	0.4389	0.1669	0.5673	0.0151	0	0
Nitrogen Dioxide	TM10	3	2	20	87	38	0	0.0024	0.0104	0.1156	0.098	0.4519	0.684	0.3642		0.081	0.0678	0.2403	0.5567	1.1344	0.4448	0.1692	0.5749	0.0156	0	0
Nitrogen Dioxide	TM10	3	3	20	87	38	0	0.0024	0.0104	0.1156	0.098	0.4519	0.684	0.3642		0.081	0.0678	0.2403	0.5567	1.1344	0.4448	0.1692	0.5749	0.0156	0	0
Nitrogen Dioxide	TM10	3	4	20	87	38	0	0.0024	0.0104	0.1156	0.098	0.4519	0.684	0.3642		0.081	0.0678	0.2403	0.5567	1.1344	0.4448	0.1692	0.5749	0.0156	0	0
Nitrogen Dioxide	TM10	3	5	20	87	38	0	0.0024	0.0104	0.1156	0.098	0.4519	0.684	0.3642		0.081	0.0678	0.2403	0.5567	1.1344	0.4448	0.1692	0.5749	0.0156	0	0
Nitrogen Dioxide	TM10	3	6	20	87	38	0	0.0024	0.0104	0.1156	0.098	0.4519	0.684	0.3642		0.081	0.0678	0.2403	0.5567	1.1344	0.4448	0.1692	0.5749	0.0156	0	0
Nitrogen Dioxide	TM10	3	7	20	87	38	2	0.0024	0.0104	0.1156	0.098	0.4519	0.684	0.3642		0.081	0.0678	0.2403	0.5567	1.1344	0.4448	0.1692	0.5749	0.0156	0.0064	0.01032
Nitrogen Dioxide	TM10	3	8	20	86	38	23	0.0024	0.0105	0.1158	0.0982	0.4532	0.6861	0.3652		0.0813	0.068	0.241	0.5582	1.1376	0.446	0.1696	0.5765	0.0157	0.38141	0.61518
Nitrogen Dioxide	TM10	3	9	21	83	38	58	0.0024	0.0104	0.1152	0.0977	0.45	0.6801	0.3626		0.0806	0.0675	0.2392	0.5543	1.1295	0.4429	0.1684	0.5724	0.0154	0.32699	0.5274
Nitrogen Dioxide	TM10	3	10	22	79	38	62	0.0024	0.0103	0.1149	0.0974	0.4483	0.6766	0.3613		0.0803	0.0672	0.2383	0.5522	1.1253	0.4412	0.1678	0.5702	0.0151	0.32284	0.52071
Nitrogen Dioxide	TM10	3	11	23	76	38	36	0.0024	0.0103	0.1152	0.0976	0.4497	0.6789	0.3624		0.0805	0.0674	0.2391	0.554	1.1289	0.4426	0.1683	0.5722	0.0152	0.33384	0.53845
Nitrogen Dioxide	TM10	3	12	23	77	38	29	0.0023	0.0101	0.1141	0.0968	0.4439	0.6688	0.3577		0.0794	0.0665	0.236	0.5468	1.1143	0.4369	0.1661	0.5646	0.0147	0.35781	0.57712
Nitrogen Dioxide	TM10	3	13	23	77	38	28	0.0023	0.0101	0.1141	0.0968	0.4439	0.6688	0.3577		0.0794	0.0665	0.236	0.5468	1.1143	0.4369	0.1661	0.5646	0.0147	0.36153	0.58312
Nitrogen Dioxide	TM10	3	14	23	77	38	29	0.0023	0.0101	0.1141	0.0968	0.4439	0.6688	0.3577		0.0794	0.0665	0.236	0.5468	1.1143	0.4369	0.1661	0.5646	0.0147	0.34941	0.56357
Nitrogen Dioxide	TM10	3	15	23	76	38	36	0.0023	0.0102	0.1144	0.097	0.4454	0.6712	0.3589		0.0797	0.0667	0.2368	0.5487	1.1181	0.4384	0.1667	0.5666	0.0148	0.3302	0.53258
Nitrogen Dioxide	TM10	3	16	23	77	38	28	0.0023	0.0101	0.1141	0.0968	0.4439	0.6688	0.3577		0.0794	0.0665	0.236	0.5468	1.1143	0.4369	0.1661	0.5646	0.0147	0.37051	0.5976
Nitrogen Dioxide	TM10	3	17	22	79	38	27	0.0024	0.0103	0.1149	0.0974	0.4483	0.6768	0.3613		0.0803	0.0672	0.2383	0.5522	1.1253	0.4412	0.1678	0.5702	0.0151	0.33275	0.56895
Nitrogen Dioxide	TM10	3	18	22	82	38	35	0.0023	0.0101	0.1142	0.0968	0.444	0.6696	0.3578		0.0795	0.0665	0.2361	0.547	1.1146	0.437	0.1662	0.5648	0.0149	0.3387	0.54629
Nitrogen Dioxide	TM10	3	19	21	84	38	36	0.0024	0.0103	0.115	0.0975	0.4486	0.6779	0.3615		0.0804	0.0673	0.2385	0.5526	1.1262	0.4416	0.1679	0.5707	0.0153	0.33326	0.53752
Nitrogen Dioxide	TM10	3	20	21	85	38	17	0.0024	0.0103	0.1148	0.0973	0.4473	0.6757	0.3605		0.0801	0.067	0.2378	0.551	1.1228	0.4402	0.1674	0.569	0.0152	0.18049	0.29111
Nitrogen Dioxide	TM10	3	21	21	86	38	3	0.0023	0.0102	0.1145	0.0971	0.446	0.6735	0.3594		0.0799	0.0668	0.2371	0.5494	1.1195	0.4389	0.1669	0.5673	0.0151	0.24037	0.38769
Nitrogen Dioxide	TM10	3	22	21	86	38	1	0.0023	0.0102	0.1145	0.0971	0.446	0.6735	0.3594		0.0799	0.0668	0.2371	0.5494	1.1195	0.4389	0.1669	0.5673	0.0151	0.0023	0.00371
Nitrogen Dioxide	TM10	3	23	21	85	38	0	0.0024	0.0103	0.1148	0.0973	0.4473	0.6757	0.3605		0.0801	0.067	0.2378	0.551	1.1228	0.4402	0.1674	0.569	0.0152	0	0
Nitrogen Dioxide	TM10	3	24	21	86	38	0	0.0023	0.0102	0.1145	0.0971	0.446	0.6735	0.3594		0.0799	0.0668	0.2371	0.5494	1.1195	0.4389	0.1669	0.5673	0.0151	0	0
Nitrogen Dioxide	TM10	4	1	20	83	38	0	0.0024	0.0106	0.1165	0.0987	0.4569	0.6922	0.3682		0.082	0.0686	0.243	0.5629	1.147	0.4497	0.171	0.5812	0.016	0	0
Nitrogen Dioxide	TM10	4	2	20	85	38	0	0.0024	0.0105	0.116	0.0984	0.4544	0.6881	0.3662		0.0815	0.0682	0.2416	0.5598	1.1407	0.4473	0.1701	0.578	0.0158	0	0
Nitrogen Dioxide	TM10	4	3	20	84	38	0	0.0024	0.0106	0.1163	0.0985	0.4557	0.6902	0.3672		0.0817	0.0684	0.2423	0.5613	1.1439	0.4485	0.1706	0.5796	0.0159	0	0
Nitrogen Dioxide	TM10	4	4	20	85	38	0	0.0024	0.0105	0.116	0.0984	0.4544	0.6881	0.3662		0.0815	0.0682	0.2416	0.5598	1.1407	0.4473	0.1701	0.578	0.0158	0.24467	0.39462
Nitrogen Dioxide	TM10	4	5	19	84	38	0	0.0025	0.0109	0.1175	0.0996	0.4623	0.7018	0.3726		0.083	0.0695	0.2459	0.5695	1.1606	0.455	0.173	0.5881	0.0165	0	0
Nitrogen Dioxide	TM10	4	6	19	84	38	0	0.0025	0.0109	0.1175	0.0996	0.4623	0.7018	0.3726		0.083	0.0695	0.2459	0.5695	1.1606	0.455	0.173	0.5881	0.0165	0	0
Nitrogen Dioxide	TM10	4	7	20	84	38	2	0.0024	0.0106	0.1163	0.0985	0.4557	0.6902	0.3672		0.0817	0.0684	0.2423	0.5613	1.1439	0.4485	0.1706	0.5796	0.0159	0.0065	0.01048
Nitrogen Dioxide	TM10	4	8	21	79	38	23	0.0024	0.0106	0.1162	0.0985	0.4553	0.6888	0.3669		0.0816	0.0683	0.2421	0.5609	1.1429	0.4481	0.1704	0.5792	0.0157	0.383	0.61773
Nitrogen Dioxide	TM10	4	9	22	73	38	58	0.0024	0.0106	0.1165	0.0987	0.4568	0.6906	0.3681		0.0819	0.0685	0.2429	0.5627	1.1467	0.4496	0.171	0.5811	0.0157	0.33198	0.53545
Nitrogen Dioxide	TM10	4	10	23	69	38	67	0.0024	0.0106	0.1163	0.0986	0.4561	0.6894	0.3675		0.0817	0.0683	0.2425	0.5618	1.1448	0.4488	0.1707	0.5801	0.0155	0.32849	0.52983
Nitrogen Dioxide	TM10	4	11	23	68	38	36	0.0024	0.0106	0.1166	0.0988	0.4576	0.6911	0.3687		0.082	0.0686	0.2433	0.5636	1.1486	0.4503	0.1713	0.582	0.0156	0.33975	0.54799
Nitrogen Dioxide	TM10	4	12	24	66	38	29	0.0024	0.0105	0.116	0.0983	0.4541	0.6847	0.3659		0.0813	0.068	0.2414	0.5593	1.1397	0.4469	0.1699	0.5776	0.0153	0.36623	0.5907
Nitrogen Dioxide	TM10	4	13	24	65	38	28	0.0024	0.0106	0.1163	0.0985	0.4557	0.6874	0.3672		0.0816	0.0683	0.2423	0.5613	1.1438	0.4485	0.1706	0.5796	0.0154	0.37143	0.59908
Nitrogen Dioxide	TM10	4	14	24	66	38	29	0.0024	0.0105	0.116	0.0983	0.4541	0.6847	0.3659		0.0813	0.068	0.2414	0.5593	1.1397	0.4469	0.1699	0.5776	0.0153	0.35762	0.5768
Nitrogen

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:

(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.

(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Dioxide	TM10	6	23	28	87	38	0	0.0018	0.0078	0.1028	0.0871	0.3806	0.5648	0.3067		0.0675	0.0566	0.2022	0.4688	0.9553	0.3746	0.1424	0.4841	0.0107	0	0
Nitrogen Dioxide	TM10	6	24	28	87	38	0	0.0018	0.0078	0.1028	0.0871	0.3806	0.5648	0.3067		0.0675	0.0566	0.2022	0.4688	0.9553	0.3746	0.1424	0.4841	0.0107	0	0
Nitrogen Dioxide	TM10	7	1	28	84	38	0	0.0019	0.0081	0.104	0.0881	0.3868	0.5749	0.3117		0.0686	0.0576	0.2055	0.4764	0.9709	0.3807	0.1448	0.492	0.0111	0	0
Nitrogen Dioxide	TM10	7	2	28	84	38	0	0.0019	0.0081	0.104	0.0881	0.3868	0.5749	0.3117		0.0686	0.0576	0.2055	0.4764	0.9709	0.3807	0.1448	0.492	0.0111	0	0
Nitrogen Dioxide	TM10	7	3	28	86	38	0	0.0018	0.0079	0.1032	0.0874	0.3826	0.5682	0.3083		0.0679	0.0569	0.2033	0.4713	0.9605	0.3766	0.1432	0.4867	0.0108	0	0
Nitrogen Dioxide	TM10	7	4	28	86	38	0	0.0018	0.0079	0.1032	0.0874	0.3826	0.5682	0.3083		0.0679	0.0569	0.2033	0.4713	0.9605	0.3766	0.1432	0.4867	0.0108	0	0
Nitrogen Dioxide	TM10	7	5	28	88	38	0	0.0018	0.0077	0.1025	0.0868	0.3785	0.5614	0.305		0.0671	0.0563	0.2011	0.4662	0.9501	0.3725	0.1417	0.4814	0.0106	0	0
Nitrogen Dioxide	TM10	7	6	27	88	38	0	0.0019	0.0081	0.1044	0.0885	0.3893	0.579	0.3137		0.0691	0.0579	0.2068	0.4795	0.9771	0.3831	0.1457	0.4951	0.0112	0	0
Nitrogen Dioxide	TM10	7	7	28	86	38	2	0.0018	0.0079	0.1032	0.0874	0.3826	0.5682	0.3083		0.0679	0.0569	0.2033	0.4713	0.9605	0.3766	0.1432	0.4867	0.0108	0.00485	0.00782
Nitrogen Dioxide	TM10	7	8	29	81	38	23	0.0019	0.008	0.1032	0.0874	0.3826	0.5688	0.3083		0.0679	0.0569	0.2032	0.4713	0.9603	0.3765	0.1432	0.4866	0.0108	0.31747	0.51204
Nitrogen Dioxide	TM10	7	9	30	76	38	58	0.0019	0.0082	0.1034	0.0875	0.3833	0.5692	0.3089		0.068	0.057	0.2036	0.4722	0.9622	0.3772	0.1435	0.4876	0.0109	0.27559	0.44451
Nitrogen Dioxide	TM10	7	10	31	70	38	67	0.002	0.0085	0.1042	0.0882	0.3874	0.5759	0.3122		0.0688	0.0577	0.2058	0.4772	0.9724	0.3813	0.145	0.4928	0.0111	0.27632	0.44568
Nitrogen Dioxide	TM10	7	11	31	68	38	36	0.002	0.0087	0.1051	0.0889	0.3924	0.584	0.3162		0.0697	0.0585	0.2085	0.4833	0.9849	0.3862	0.1469	0.4991	0.0114	0.28846	0.46526
Nitrogen Dioxide	TM10	7	12	32	67	38	29	0.002	0.0085	0.1038	0.0878	0.3849	0.5718	0.3101		0.0683	0.0573	0.2045	0.4741	0.9661	0.3788	0.1441	0.4896	0.011	0.30731	0.49566
Nitrogen Dioxide	TM10	7	13	32	66	38	28	0.002	0.0086	0.1043	0.0882	0.3875	0.5761	0.3123		0.0688	0.0577	0.2059	0.4773	0.9727	0.3814	0.145	0.4929	0.0111	0.31289	0.50467
Nitrogen Dioxide	TM10	7	14	32	66	38	29	0.002	0.0086	0.1043	0.0882	0.3875	0.5761	0.3123		0.0688	0.0577	0.2059	0.4773	0.9727	0.3814	0.145	0.4929	0.0111	0.3024	0.48774
Nitrogen Dioxide	TM10	7	15	31	68	38	36	0.002	0.0087	0.1051	0.0889	0.3924	0.584	0.3162		0.0697	0.0585	0.2085	0.4833	0.9849	0.3862	0.1469	0.4991	0.0114	0.28846	0.46526
Nitrogen Dioxide	TM10	7	16	31	69	38	28	0.002	0.0086	0.1047	0.0885	0.3899	0.58	0.3142		0.0692	0.0581	0.2071	0.4803	0.9786	0.3837	0.1459	0.4959	0.0113	0.32265	0.5204
Nitrogen Dioxide	TM10	7	17	31	70	38	27	0.002	0.0085	0.1042	0.0882	0.3874	0.5759	0.3122		0.0688	0.0577	0.2058	0.4772	0.9724	0.3813	0.145	0.4928	0.0111	0.30155	0.48637
Nitrogen Dioxide	TM10	7	18	30	73	38	35	0.002	0.0084	0.1047	0.0886	0.3903	0.5807	0.3145		0.0693	0.0581	0.2074	0.4808	0.9797	0.3841	0.1461	0.4965	0.0113	0.29497	0.47576
Nitrogen Dioxide	TM10	7	19	29	76	38	36	0.002	0.0085	0.1052	0.0891	0.3936	0.586	0.3172		0.0699	0.0586	0.2091	0.4848	0.9879	0.3874	0.1473	0.5006	0.0115	0.28939	0.46676
Nitrogen Dioxide	TM10	7	20	29	79	38	17	0.0019	0.0082	0.104	0.0881	0.387	0.5752	0.3118		0.0687	0.0576	0.2056	0.4767	0.9714	0.3809	0.1448	0.4922	0.0111	0.15539	0.25063
Nitrogen Dioxide	TM10	7	21	29	81	38	3	0.0019	0.008	0.1032	0.0874	0.3826	0.568	0.3083		0.0679	0.0569	0.2032	0.4713	0.9603	0.3765	0.1432	0.4866	0.0108	0.20617	0.33253
Nitrogen Dioxide	TM10	7	22	29	82	38	1	0.0018	0.0079	0.1028	0.0871	0.3804	0.5645	0.3065		0.0674	0.0566	0.2021	0.4685	0.9548	0.3744	0.1424	0.4838	0.0107	0.0018	0.0029
Nitrogen Dioxide	TM10	7	23	28	83	38	0	0.0019	0.0082	0.1043	0.0884	0.3889	0.5783	0.3134		0.069	0.0579	0.2066	0.479	0.9761	0.3827	0.1455	0.4946	0.0112	0	0
Nitrogen Dioxide	TM10	7	24	28	84	38	0	0.0019	0.0081	0.104	0.0881	0.3868	0.5749	0.3117		0.0686	0.0576	0.2055	0.4764	0.9709	0.3807	0.1448	0.492	0.0111	0	0
Nitrogen Dioxide	TM10	8	1	27	90	38	0	0.0018	0.0079	0.1037	0.0879	0.3854	0.5726	0.3105		0.0684	0.0573	0.2047	0.4747	0.9673	0.3793	0.1442	0.4902	0.011	0	0
Nitrogen Dioxide	TM10	8	2	26	90	38	0	0.0019	0.0083	0.1055	0.0895	0.3959	0.5892	0.319		0.0703	0.059	0.2103	0.4876	0.9936	0.3896	0.1482	0.5035	0.0116	0	0
Nitrogen Dioxide	TM10	8	3	26	91	38	0	0.0019	0.0082	0.1052	0.0892	0.394	0.5867	0.3175		0.07	0.0587	0.2093	0.4854	0.989	0.3878	0.1475	0.5012	0.0115	0	0
Nitrogen Dioxide	TM10	8	4	26	92	38	0	0.0019	0.0081	0.1049	0.0889	0.3922	0.5837	0.316		0.0697	0.0584	0.2084	0.4831	0.9844	0.386	0.1468	0.4988	0.0114	0	0
Nitrogen Dioxide	TM10	8	5	26	93	38	0	0.0019	0.0081	0.1045	0.0886	0.3904	0.5807	0.3146		0.0693	0.0581	0.2074	0.4808	0.9798	0.3842	0.1461	0.4965	0.0113	0	0
Nitrogen Dioxide	TM10	8	6	26	94	38	0	0.0019	0.008	0.1042	0.0883	0.3885	0.5777	0.3131		0.069	0.0578	0.2064	0.4786	0.9752	0.3824	0.1454	0.4942	0.0112	0	0
Nitrogen Dioxide	TM10	8	7	26	93	38	2	0.0019	0.0081	0.1045	0.0886	0.3904	0.5807	0.3146		0.0693	0.0581	0.2074	0.4808	0.9798	0.3842	0.1461	0.4965	0.0113	0.005	0.00806
Nitrogen Dioxide	TM10	8	8	27	87	38	23	0.0019	0.0082	0.1047	0.0887	0.3912	0.5822	0.3153		0.0695	0.0582	0.2079	0.4819	0.982	0.385	0.1464	0.4976	0.0114	0.32518	0.52448
Nitrogen Dioxide	TM10	8	9	29	81	38	58	0.0019	0.008	0.1032	0.0874	0.3826	0.568	0.3083		0.0679	0.0569	0.2032	0.4713	0.9603	0.3765	0.1432	0.4866	0.0108	0.27502	0.44357
Nitrogen Dioxide	TM10	8	10	30	76	38	67	0.0019	0.0082	0.1034	0.0875	0.3833	0.5692	0.3089		0.068	0.057	0.2036	0.4722	0.9622	0.3772	0.1435	0.4876	0.0109	0.27318	0.44061
Nitrogen Dioxide	TM10	8	11	30	73	38	36	0.002	0.0084	0.1047	0.0886	0.3903	0.5807	0.3145		0.0693	0.0581	0.2074	0.4808	0.9797	0.3841	0.1461	0.4965	0.0113	0.28684	0.46264
Nitrogen Dioxide	TM10	8	12	30	73	38	29	0.002	0.0084	0.1047	0.0886	0.3903	0.5807	0.3145		0.0693	0.0581	0.2074	0.4808	0.9797	0.3841	0.1461	0.4965	0.0113	0.31192	0.50309
Nitrogen Dioxide	TM10	8	13	30	74	38	28	0.0019	0.0083	0.1043	0.0883	0.388	0.5769	0.3126		0.0689	0.0578	0.2061	0.4779	0.9739	0.3818	0.1452	0.4935	0.0112	0.31324	0.50522
Nitrogen Dioxide	TM10	8	14	30	74	38	29	0.0019	0.0083	0.1043	0.0883	0.388	0.5769	0.3126		0.0689	0.0578	0.2061	0.4779	0.9739	0.3818	0.1452	0.4935	0.0112	0.30272	0.48826
Nitrogen Dioxide	TM10	8	15	30	75	38	36	0.0019	0.0083	0.1038	0.0879	0.3856	0.5731	0.3108		0.0684	0.0574	0.2049	0.475	0.968	0.3795	0.1443	0.4905	0.011	0.28318	0.45675
Nitrogen Dioxide	TM10	8	16	29	77	38	28	0.0019	0.0084	0.1048	0.0888	0.3914	0.5824	0.3154		0.0695	0.0583	0.2079	0.4821	0.9824	0.3852	0.1463	0.4978	0.0114	0.3239	0.52241
Nitrogen Dioxide	TM10	8	17	29	79	38	27	0.0019	0.0082	0.104	0.0881	0.387	0.5752	0.3118		0.0687	0.0576	0.2056	0.4767	0.9714	0.3809	0.1448	0.4922	0.0111	0.30112	0.48568
Nitrogen Dioxide	TM10	8	18	28	80	38	35	0.0019	0.0082	0.1035	0.0893	0.3951	0.5884	0.3184		0.0702	0.0588	0.2099	0.4867	0.9917	0.3889	0.1474	0.5025	0.0116	0.29875	0.48185
Nitrogen Dioxide	TM10	8	19	28	82	38	36	0.0019	0.0082	0.1047	0.0887	0.3909	0.5817	0.315		0.0694	0.0582	0.2077	0.4815	0.9813	0.3847	0.1463	0.4973	0.0113	0.28726	0.46332
Nitrogen Dioxide	TM10	8	20	28	84	38	17	0.0019	0.0081	0.104	0.0881	0.3868	0.5749	0.3117		0.0686	0.0576	0.2055	0.4764	0.9709	0.3807	0.1448	0.492	0.0111	0.15531	0.2505
Nitrogen Dioxide	TM10	8	21	27	85	38	3	0.0019	0.0083	0.1054	0.0893	0.3951	0.5885	0.3184		0.0702	0.0588	0.2099	0.4867	0.9918	0.3889	0.1479	0.5026	0.0116	0.2129	0.34339
Nitrogen Dioxide	TM10	8	22	27	87	38	1	0.0019	0.0082	0.1047	0.0887	0.3912	0.5822	0.3153		0.0695	0.0582	0.2079	0.4819	0.982	0.385	0.1464	0.4976	0.0114	0.0019	0.00306
Nitrogen Dioxide	TM10	8	23	27	88	38	0	0.0019	0.0081	0.1044	0.0885	0.3893	0.579	0.3137		0.0691	0.0579	0.2068	0.4795	0.9771	0.3831	0.1457	0.4951	0.0112	0	0
Nitrogen Dioxide	TM10	8	24	27	89	38	0	0.0019	0.008	0.104	0.0882	0.3873	0.5758	0.3121		0.0687	0.0576	0.2058	0.4771	0.9722	0.3812	0.145	0.4927	0.0111	0	0
Nitrogen Dioxide	TM10	9	1	27	89	38	0	0.0019	0.008	0.104	0.0882	0.3873	0.5758	0.3121		0.0687	0.0576	0.2058	0.4771	0.9722	0.3812	0.145	0.4927	0.0111	0	0
Nitrogen Dioxide	TM10	9	2	26	89	38	0	0.0019	0.0083	0.1059	0.0897	0.3977	0.5927	0.3205		0.0707	0.0592	0.2113	0.4899	0.9982	0.3914	0.1488	0.5058	0.0118	0	0
Nitrogen Dioxide	TM10	9	3	26	91	38	0	0.0019	0.0082	0.1052	0.0892	0.394	0.5867	0.3175		0.07	0.0587	0.2093	0.4854	0.989	0.3878	0.1475	0.5012	0.0115	0	0
Nitrogen Dioxide	TM10	9	4	26	92	38	0	0.0019	0.0081	0.1049	0.0889	0.3922	0.5837	0.316		0.0697	0.0584	0.2084	0.4831	0.9844	0.386	0.1468	0.4988	0.0114	0	0
Nitrogen Dioxide	TM10	9	5	26	92	38	0	0.0019	0.0081	0.1049	0.0889	0.3922	0.5837	0.3161		0.0697	0.0584	0.2084	0.4831	0.9844	0.386	0.1468	0.4988	0.0114	0	0
Nitrogen Dioxide	TM10	9	6	26	93	38	0	0.0019	0.0081	0.1045	0.0886	0.3904	0.5807	0.3146		0.0693	0.0581	0.2074	0.4808	0.9798	0.3842	0.1461	0.4965	0.0113	0	0
Nitrogen Dioxide	TM10	9	7	26	93	38	2	0.0019	0.0081	0.1045	0.0886	0.3904	0.5807	0.3146		0.0693	0.0581	0.2074	0.4808	0.9798	0.3842	0.1461	0.4965	0.0113	0.005	0.00806
Nitrogen Dioxide	TM10	9	8	27	88	38	23	0.0019	0.0081	0.1044	0.0885	0.3893	0.579	0.3137		0.0691	0.0579	0.2068	0.4795	0.9771	0.3831	0.1457	0.4951	0.0112	0.32343	0.52165
Nitrogen Dioxide	TM10	9	9	28	83	38	58	0.0019	0.0082	0.1043	0.0884	0.3889	0.5783	0.3134		0.069	0.0579	0.2066	0.479	0.9761	0.3827	0.1455	0.4946	0.0112	0.27981	0.4513
Nitrogen Dioxide	TM10	9	10	29	78	38	67	0.0019	0.0083	0.1044	0.0884	0.3892	0.5788	0.3136		0.0691	0.0579	0.2068	0.4794	0.9769	0.383	0.1457	0.495	0.0112	0.2776	0.44775
Nitrogen Dioxide	TM10	9	11	29	76	38	36	0.002	0.0085	0.1052	0.0891	0.3936	0.586	0.3172		0.0699	0.0586	0.2091	0.4848	0.9879	0.3874	0.1473	0.5006	0.0115	0.28939	0.46676
Nitrogen Dioxide	TM10	9	12	29	76	38	29	0.002	0.0085	0.1052	0.0891	0.3936	0.586	0.3172		0.0699	0.0586	0.2091	0.4848	0.9879	0.3874	0.1473	0.5006	0.0115	0.3147	0.50758
Nitrogen Dioxide	TM10	9	13	30	75	38	28	0.0019	0.0083	0.1038	0.0879	0.3856	0.5731	0.3108		0.0684	0.0574	0.2049	0.475	0.968	0.3795	0.1443	0.4905	0.011	0.31126	0.50203
Nitrogen Dioxide	TM10	9	14	29	75	38	29	0.002	0.0085	0.1056	0.0894	0.3958	0.5896	0.3189		0.0703	0.059	0.2103	0.4875	0.9935	0.3895	0.1481	0.5034	0.0116	0.30919	0.4987
Nitrogen Dioxide	TM10	9	15	29	77	38	36	0.0019	0.0084	0.1048	0.0888	0.3914	0.5824	0.3154		0.0695	0.0583	0.2079	0.4821	0.9824	0.3852	0.1463	0.4978	0.0114	0.28763	0.46392
Nitrogen Dioxide	TM10	9	16	29	76	38	28	0.002	0.0085	0.1052	0.0891	0.3936	0.586	0.3172		0.0699	0.0586	0.2091	0.4848	0.9879	0.3874	0.1473	0.5006	0.0115	0.29387	0.47426
Nitrogen Dioxide	TM10	9	17	29	78	38	27	0.0019	0.0083	0.1044	0.0884	0.3892	0.5788	0.3136		0.0691	0.0579	0.2068	0.4794	0.9769	0.383	0.1457	0.495	0.0112	0.30296	0.48864
Nitrogen Dioxide	TM10	9	18	28	81	38	35	0.0019	0.0083	0.1051	0.089	0.393	0.5851	0.3167		0.0698	0.0585	0.2088	0.4841	0.9865	0.3868	0.1471	0.4999	0.0115	0.2971	0.47919
Nitrogen Dioxide	TM10	9	19	27	84	38	36	0.0019	0.0084	0.1058	0.0896	0.3971	0.5917	0.32		0.0706	0.0591	0.211	0.4891	0.9967	0.3908	0.1486	0.5051	0.0117	0.29207	0.47108
Nitrogen Dioxide	TM10	9	20	27	86	38	17	0.0019	0.0082	0.1051	0.089	0.3932	0.5853	0.3168		0.0698	0.0585	0.2089	0.4843	0.9869	0.387	0.1472	0.5001	0.0115	0.15788	0.25465
Nitrogen Dioxide	TM10	9	21	27	87	38	3	0.0019	0.0082	0.1047	0.0887	0.3912	0.5822	0.3153		0.0695	0.0582	0.2079	0.4819	0.982	0.385	0.1464	0.4976	0.0114	0.21083	0.34005
Nitrogen Dioxide	TM10	9	22	27	89	38	1	0.0019	0.008	0.104	0.0882	0.3873	0.5758	0.3121		0.0687	0.0576	0.2058	0.4771	0.9722	0.3812	0.145	0.4927	0.0111	0.0019	0.00306
Nitrogen Dioxide	TM10	9	23	27	89	38	0	0.0019	0.008	0.104	0.0882	0.3873	0.5758	0.3121		0.0687	0.0576	0.2058	0.4771	0.9722	0.3812	0.145	0.4927	0.0111	0	0
Nitrogen Dioxide	TM10	9	24	26	89	38	0	0.0019	0.0083	0.1059	0.0897	0.3977	0.5927	0.3205		0.0707	0.0592	0.2113	0.4899	0.9982	0.3914	0.1488	0.5058	0.0118	0	0
Nitrogen Dioxide	TM10	10	1	24	74	38	0	0.0023	0.01	0.1136	0.0963	0.4411	0.6636	0.3555		0.0788	0.066	0.2345	0.5434	1.1073	0.4341	0.1651	0.5611	0.0145	0	0
Nitrogen Dioxide	TM10	10	2	23	74	38	0	0.0024	0.0103	0.115	0.0974	0.4485	0.6762	0.3614		0.0803	0.0672	0.2384	0.5524	1.1257	0.4414	0.1679	0.5704	0.015	0	0
Nitrogen Dioxide	TM10	10	3	23	74	38	0	0.0024	0.0103	0.115	0.0974	0.4485	0.6762	0.3614		0.0803	0.0672	0.2384	0.5524	1.1257	0.4414	0.1679	0.5704	0.015	0	0
Nitrogen Dioxide	TM10	10	4	23	75	38	0	0.0024	0.0102	0.1147	0.0972	0.4469	0.6737	0.3602		0.08	0.0669	0.2376	0.5506	1.1219	0.4399	0.1673	0.5685	0.0149	0	0
Nitrogen Dioxide	TM10	10	5	23	74	38	0	0.0024	0.0103	0.115	0.0974	0.4485	0.6762	0.3614		0.0803	0.0672	0.2384	0.5524	1.1257	0.4414	0.1679	0.5704	0.015	0	0
Nitrogen Dioxide	TM10	10	6	23	75	38	0	0.0024	0.0102	0.1147	0.0972	0.4469	0.6737	0.3602		0.08	0.0669	0.2376	0.5506	1.1219	0.4399	0.1673	0.5685	0.0149	0	0
Nitrogen Dioxide	TM10	10	7	23	75	38	2	0.0024	0.0102	0.1147	0.0972	0.4469	0.6737	0.3602		0.08	0.0669	0.2376	0.5506	1.1219	0.4399	0.1673	0.5685	0.0149	0.0063	0.01016
Nitrogen Dioxide	TM10	10	8	23	72	38	23	0.0024	0.0104	0.1155	0.0979	0.4515	0.6812	0.3638		0.0808	0.0676	0.24	0.5562	1.1333	0.4444	0.169	0.5743	0.0152	0.37905	0.61137
Nitrogen Dioxide	TM10	10	9	24	69	38	58	0.0024	0.0103	0.1151	0.0976	0.4492	0.6768	0.362		0.0804	0.0673	0.2388	0.5533	1.1276	0.4421	0.1681	0.5714	0.015	0.32577	0.52543
Nitrogen Dioxide	TM10	10	10	25	64	38	67	0.0024	0.0104	0.1154	0.0978	0.4506	0.6791	0.3631		0.0806	0.0675	0.2395	0.555	1.131	0.4435	0.1686	0.5731	0.0151	0.32417	0.52286
Nitrogen Dioxide	TM10	10	11	26	61	38	36	0.0024	0.0104	0.1151	0.0975	0.449	0.6765	0.3618		0.0803	0.0672	0.2387	0.5531	1.1271	0.4419	0.1681	0.5711	0.015	0.33284	0.53684
Nitrogen Dioxide	TM10	10	12	27	60	38	29	0.0024	0.0103	0.1143	0.0967	0.4439	0.6681	0.3577		0.0794	0.0664	0.236	0.5467	1.1141	0.4368	0.1661	0.5646	0.0146	0.3576	0.57677
Nitrogen Dioxide	TM10	10	13	27	59	38	28	0.0024	0.0104	0.1146	0.097	0.4458	0.6713	0.3592		0.0797	0.0667	0.237	0.5491	1.119	0.4388	0.1669	0.5671	0.0148	0.36297	0.58543
Nitrogen Dioxide	TM10	10	14	27	59	38	29	0.0024	0.0104	0.1146	0.097	0.4458	0.6713	0.3592		0.0797	0.0667	0.237	0.5491	1.119	0.4388	0.1669	0.5671	0.0148	0.35081	0.56582
Nitrogen Dioxide	TM10	10	15	27	60	38	36	0.0024	0.0103	0.1143	0.0967	0.4439	0.6681	0.3577		0.0794	0.0664	0.236	0.5467	1.1141	0.4368	0.1661	0.5646	0.0146	0.32884	0.53039
Nitrogen Dioxide	TM10	10	16	27	62	38	28	0.0023	0.0102	0.1136	0.0962	0.44	0.6617	0.3545		0.0786	0.0658	0.2339	0.5419	1.1044	0.433	0.1647	0.5596	0.0144	0.3668	0.59161
Nitrogen Dioxide	TM10	10	17	26	65	38	27	0.0023	0.0101	0.1138	0.0964	0.4417	0.6645	0.3559		0.079	0.0661	0.2348	0.5441	1.1087	0.4347	0.1653	0.5618	0.0145	0.34669	0.55918
Nitrogen Dioxide	TM10	10	18	25	67	38	35	0.0024	0.0102	0.1145	0.097	0.4454	0.6706	0.3589		0.0797	0.0667	0.2368	0.5487	1.1181	0.4384	0.1667	0.5666	0.0147	0.33937	0.54737
Nitrogen Dioxide	TM10

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:

(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.

(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Dioxide	TM11	1	4	17	77	53	17	0.0024	0.0105	0.1033	0.0857	0.4102	0.6091	0.3055		0.0702	0.0581	0.2064	0.4778	1.0012	0.3762	0.1472	0.4945	0.0171	0.22709	0.36627
Nitrogen Dioxide	TM11	1	5	17	78	53	17	0.0024	0.0105	0.1031	0.0855	0.4093	0.6077	0.3049		0.0701	0.058	0.206	0.4768	0.9991	0.3754	0.1469	0.4935	0.0171	0.19826	0.31978
Nitrogen Dioxide	TM11	1	6	17	77	53	32	0.0024	0.0105	0.1033	0.0857	0.4102	0.6091	0.3055		0.0702	0.0581	0.2064	0.4778	1.0012	0.3762	0.1472	0.4945	0.0171	0.15702	0.25326
Nitrogen Dioxide	TM11	1	7	17	77	51	85	0.0025	0.0111	0.106	0.0888	0.4229	0.6303	0.3172		0.0724	0.0603	0.2139	0.4951	1.0341	0.3902	0.1522	0.5064	0.0177	0.16547	0.26689
Nitrogen Dioxide	TM11	1	8	17	77	35	228	0.0029	0.0125	0.1262	0.1073	0.5014	0.7706	0.4124		0.0915	0.0769	0.2703	0.626	1.267	0.5029	0.1898	0.6501	0.0183	0.13239	0.21354
Nitrogen Dioxide	TM11	1	9	17	73	34	595	0.003	0.0129	0.1288	0.1097	0.5128	0.7907	0.425		0.094	0.0792	0.2778	0.6434	1.2991	0.5179	0.195	0.6695	0.0187	0.37348	0.60238
Nitrogen Dioxide	TM11	1	10	19	69	34	684	0.0028	0.0122	0.1275	0.1088	0.5066	0.7785	0.4198		0.0927	0.0781	0.2744	0.6356	1.2834	0.5117	0.1926	0.6614	0.018	0.38842	0.62649
Nitrogen Dioxide	TM11	1	11	20	64	33	720	0.0028	0.0123	0.1295	0.1107	0.5149	0.7924	0.4299		0.0946	0.0798	0.2802	0.6491	1.3075	0.5237	0.1966	0.677	0.018	0.32651	0.52662
Nitrogen Dioxide	TM11	1	12	21	62	42	700	0.0025	0.0109	0.1145	0.0965	0.4554	0.686	0.3581		0.0806	0.067	0.2382	0.5517	1.1336	0.4382	0.1682	0.5661	0.0169	0.27014	0.43571
Nitrogen Dioxide	TM11	1	13	21	61	42	649	0.0025	0.011	0.1147	0.0967	0.4567	0.6881	0.3591		0.0808	0.0672	0.2389	0.5532	1.1368	0.4395	0.1686	0.5677	0.017	0.28274	0.45603
Nitrogen Dioxide	TM11	1	14	21	62	42	600	0.0025	0.0109	0.1145	0.0965	0.4554	0.686	0.3581		0.0806	0.067	0.2382	0.5517	1.1336	0.4382	0.1682	0.5661	0.0169	0.27297	0.44028
Nitrogen Dioxide	TM11	1	15	21	62	41	693	0.0025	0.011	0.1159	0.0978	0.4607	0.6954	0.3644		0.0818	0.0682	0.242	0.5604	1.1492	0.4457	0.1707	0.5759	0.0169	0.28117	0.45349
Nitrogen Dioxide	TM11	1	16	21	63	44	704	0.0024	0.0107	0.1117	0.0939	0.444	0.6661	0.3452		0.078	0.0648	0.2305	0.5337	1.101	0.423	0.163	0.5462	0.0167	0.27602	0.4452
Nitrogen Dioxide	TM11	1	17	20	67	33	676	0.0028	0.0121	0.1288	0.1101	0.5109	0.7857	0.4266		0.0939	0.0792	0.278	0.644	1.2973	0.5196	0.1951	0.6718	0.0177	0.32607	0.52591
Nitrogen Dioxide	TM11	1	18	19	72	33	646	0.0028	0.0122	0.1288	0.11	0.5103	0.7836	0.4261		0.0938	0.0792	0.2777	0.6433	1.2958	0.519	0.1949	0.671	0.0179	0.31266	0.50429
Nitrogen Dioxide	TM11	1	19	18	74	33	688	0.0029	0.0126	0.1294	0.1105	0.5137	0.7922	0.4289		0.0945	0.0797	0.2796	0.6476	1.3044	0.5225	0.1962	0.6754	0.0182	0.30577	0.49318
Nitrogen Dioxide	TM11	1	20	18	74	34	478	0.0028	0.0124	0.1275	0.1087	0.5063	0.7788	0.4195		0.0927	0.0781	0.2742	0.6351	1.2825	0.5113	0.1925	0.663	0.0181	0.18722	0.30196
Nitrogen Dioxide	TM11	1	21	18	75	34	420	0.0028	0.0124	0.1273	0.1085	0.5051	0.7769	0.4186		0.0925	0.0779	0.2736	0.6337	1.2795	0.5101	0.1921	0.6594	0.018	0.19293	0.31117
Nitrogen Dioxide	TM11	1	22	18	76	50	168	0.0024	0.0105	0.1053	0.0877	0.4181	0.6227	0.3153		0.0721	0.0597	0.2124	0.4919	1.0256	0.3878	0.1511	0.5	0.0168	0.22971	0.37049
Nitrogen Dioxide	TM11	1	23	18	75	51	91	0.0024	0.0104	0.1045	0.0869	0.4151	0.6173	0.3118		0.0714	0.0591	0.2102	0.4867	1.0165	0.3835	0.1496	0.4977	0.0169	0.2853	0.46016
Nitrogen Dioxide	TM11	1	24	17	76	52	69	0.0024	0.0107	0.1043	0.0866	0.4149	0.6173	0.3103		0.0712	0.0589	0.2094	0.4848	1.0143	0.3818	0.1492	0.4988	0.0172	0.33828	0.54561
Nitrogen Dioxide	TM11	2	1	17	78	52	35	0.0024	0.0106	0.104	0.0864	0.4131	0.6143	0.309		0.0709	0.0587	0.2085	0.4828	1.0099	0.3802	0.1486	0.4967	0.0171	0.24125	0.38912
Nitrogen Dioxide	TM11	2	2	17	80	53	21	0.0024	0.0104	0.1028	0.0853	0.4076	0.6049	0.3036		0.0697	0.0577	0.2051	0.4748	0.9948	0.3738	0.1463	0.4914	0.0169	0.1731	0.27919
Nitrogen Dioxide	TM11	2	3	17	81	53	19	0.0024	0.0104	0.1026	0.0851	0.4067	0.6035	0.3029		0.0696	0.0576	0.2047	0.4737	0.9927	0.373	0.146	0.4903	0.0169	0.18713	0.30183
Nitrogen Dioxide	TM11	2	4	17	82	53	17	0.0024	0.0103	0.1025	0.085	0.4058	0.6021	0.3023		0.0694	0.0575	0.2042	0.4727	0.9906	0.3721	0.1457	0.4893	0.0168	0.22473	0.36246
Nitrogen Dioxide	TM11	2	5	16	83	53	17	0.0025	0.0107	0.1032	0.0856	0.4096	0.6088	0.3051		0.0701	0.0581	0.2061	0.4771	0.9998	0.3756	0.147	0.4938	0.0172	0.19845	0.32008
Nitrogen Dioxide	TM11	2	6	16	83	53	37	0.0025	0.0107	0.1032	0.0856	0.4096	0.6088	0.3051		0.0701	0.0581	0.2061	0.4771	0.9998	0.3756	0.147	0.4938	0.0172	0.15685	0.25299
Nitrogen Dioxide	TM11	2	7	16	83	51	85	0.0025	0.0108	0.105	0.0873	0.4173	0.6222	0.3135		0.0719	0.0595	0.2113	0.4892	1.0218	0.3855	0.1504	0.5003	0.0173	0.16355	0.2638
Nitrogen Dioxide	TM11	2	8	17	81	35	228	0.0028	0.0123	0.1254	0.1066	0.4971	0.7635	0.4089		0.0906	0.0762	0.268	0.6207	1.2562	0.4986	0.1882	0.6445	0.018	0.13123	0.21166
Nitrogen Dioxide	TM11	2	9	18	77	34	595	0.0028	0.0123	0.1269	0.1082	0.5028	0.773	0.4166		0.092	0.0775	0.2723	0.6308	1.2736	0.5078	0.1912	0.6564	0.0179	0.36549	0.58949
Nitrogen Dioxide	TM11	2	10	19	73	34	684	0.0028	0.012	0.1266	0.108	0.5017	0.7703	0.4157		0.0918	0.0773	0.2717	0.6294	1.2708	0.5067	0.1907	0.655	0.0177	0.38446	0.6201
Nitrogen Dioxide	TM11	2	11	20	70	34	720	0.0027	0.0119	0.1231	0.1095	0.4968	0.7791	0.4232		0.0931	0.0786	0.2758	0.639	1.2871	0.5155	0.1936	0.6665	0.0175	0.32125	0.51814
Nitrogen Dioxide	TM11	2	12	20	68	42	700	0.0025	0.0109	0.1141	0.0961	0.4532	0.6832	0.3563		0.0802	0.0667	0.2371	0.549	1.1281	0.4361	0.1673	0.5634	0.0169	0.26897	0.43382
Nitrogen Dioxide	TM11	2	13	21	65	42	649	0.0025	0.0108	0.1138	0.0959	0.4516	0.6798	0.3551		0.0799	0.0665	0.2362	0.5471	1.1241	0.4346	0.1667	0.5614	0.0166	0.2795	0.4508
Nitrogen Dioxide	TM11	2	14	21	65	42	600	0.0025	0.0108	0.1138	0.0959	0.4516	0.6798	0.3551		0.0799	0.0665	0.2362	0.5471	1.1241	0.4346	0.1667	0.5614	0.0166	0.27063	0.43651
Nitrogen Dioxide	TM11	2	15	21	66	41	693	0.0025	0.0108	0.1149	0.097	0.4556	0.687	0.3603		0.0809	0.0674	0.2393	0.5542	1.1364	0.4408	0.1688	0.5695	0.0166	0.27794	0.4483
Nitrogen Dioxide	TM11	2	16	20	68	44	704	0.0024	0.0106	0.1115	0.0937	0.4431	0.6654	0.3445		0.0778	0.0642	0.23	0.5327	1.0988	0.4221	0.1626	0.5451	0.0167	0.2756	0.44452
Nitrogen Dioxide	TM11	2	17	20	67	33	676	0.0027	0.0119	0.1281	0.1095	0.5068	0.7791	0.4232		0.0931	0.0786	0.2758	0.639	1.2871	0.5155	0.1936	0.6665	0.0175	0.32341	0.52163
Nitrogen Dioxide	TM11	2	18	19	74	33	646	0.0028	0.0121	0.1283	0.1096	0.5078	0.7814	0.424		0.0933	0.0788	0.2764	0.6401	1.2894	0.5165	0.1939	0.6677	0.0177	0.31107	0.50173
Nitrogen Dioxide	TM11	2	19	18	76	33	688	0.0029	0.0125	0.129	0.1102	0.5113	0.7882	0.427		0.094	0.0794	0.2783	0.6446	1.2985	0.5201	0.1953	0.6724	0.0181	0.30434	0.49087
Nitrogen Dioxide	TM11	2	20	18	78	34	478	0.0028	0.0122	0.1267	0.108	0.5016	0.7711	0.4157		0.0918	0.0773	0.2717	0.6293	1.2707	0.5066	0.1907	0.6549	0.0178	0.18554	0.29926
Nitrogen Dioxide	TM11	2	21	18	78	34	420	0.0028	0.0122	0.1267	0.108	0.5016	0.7711	0.4157		0.0918	0.0773	0.2717	0.6293	1.2707	0.5066	0.1907	0.6549	0.0178	0.19163	0.30908
Nitrogen Dioxide	TM11	2	22	18	78	50	168	0.0024	0.0104	0.1049	0.0874	0.4162	0.6196	0.314		0.0718	0.0594	0.2115	0.4896	1.0208	0.386	0.1504	0.4977	0.0167	0.22865	0.36879
Nitrogen Dioxide	TM11	2	23	18	78	51	91	0.0024	0.0103	0.104	0.0865	0.4122	0.6127	0.3097		0.0709	0.0587	0.2088	0.4833	1.0095	0.3809	0.1486	0.4933	0.0166	0.28356	0.45703
Nitrogen Dioxide	TM11	2	24	18	78	52	69	0.0023	0.0102	0.1031	0.0857	0.4084	0.606	0.3055		0.07	0.0579	0.2061	0.4773	0.9984	0.3759	0.1469	0.491	0.0166	0.333	0.53709
Nitrogen Dioxide	TM11	3	1	21	86	52	35	0.0021	0.009	0.0984	0.0819	0.3833	0.564	0.2867		0.0654	0.0541	0.1934	0.4479	0.937	0.3528	0.1379	0.4608	0.0144	0.22381	0.36099
Nitrogen Dioxide	TM11	3	2	20	87	53	21	0.0021	0.0091	0.0985	0.0819	0.3849	0.5647	0.2866		0.0656	0.0543	0.1936	0.4483	0.9394	0.3529	0.1381	0.4644	0.0149	0.16362	0.2639
Nitrogen Dioxide	TM11	3	3	20	87	53	19	0.0021	0.0091	0.0985	0.0819	0.3849	0.5647	0.2866		0.0656	0.0543	0.1936	0.4483	0.9394	0.3529	0.1381	0.4644	0.0149	0.17728	0.28593
Nitrogen Dioxide	TM11	3	4	20	87	53	17	0.0021	0.0091	0.0985	0.0819	0.3849	0.5647	0.2866		0.0656	0.0543	0.1936	0.4483	0.9394	0.3529	0.1381	0.4644	0.0149	0.21339	0.34417
Nitrogen Dioxide	TM11	3	5	20	87	53	17	0.0021	0.0091	0.0985	0.0819	0.3849	0.5647	0.2866		0.0656	0.0543	0.1936	0.4483	0.9394	0.3529	0.1381	0.4644	0.0149	0.18659	0.30095
Nitrogen Dioxide	TM11	3	6	20	87	53	37	0.0021	0.0091	0.0985	0.0819	0.3849	0.5647	0.2866		0.0656	0.0543	0.1936	0.4483	0.9394	0.3529	0.1381	0.4644	0.0149	0.14768	0.23819
Nitrogen Dioxide	TM11	3	7	20	87	51	85	0.0021	0.0092	0.1002	0.0835	0.392	0.5791	0.2945		0.0672	0.0556	0.1985	0.4597	0.96	0.3622	0.1413	0.4703	0.0149	0.15371	0.24792
Nitrogen Dioxide	TM11	3	8	20	86	35	228	0.0025	0.0109	0.1206	0.1028	0.4717	0.7189	0.388		0.0857	0.072	0.2542	0.5889	1.192	0.4731	0.1786	0.6116	0.016	0.12433	0.20053
Nitrogen Dioxide	TM11	3	9	21	84	53	595	0.0025	0.0109	0.1218	0.1039	0.475	0.7244	0.3936		0.0866	0.0731	0.2572	0.5959	1.2033	0.4797	0.1806	0.6202	0.0157	0.34361	0.55422
Nitrogen Dioxide	TM11	3	10	22	78	34	684	0.0025	0.0108	0.1215	0.1036	0.4732	0.7198	0.3922		0.0862	0.0726	0.2562	0.5937	1.1988	0.4779	0.1799	0.6178	0.0156	0.36089	0.58208
Nitrogen Dioxide	TM11	3	11	22	78	33	720	0.0025	0.011	0.1236	0.1056	0.4817	0.7356	0.4022		0.0882	0.0745	0.2621	0.6073	1.2232	0.4899	0.1839	0.6334	0.0157	0.30442	0.491
Nitrogen Dioxide	TM11	3	12	23	77	42	700	0.0022	0.0097	0.1087	0.0916	0.4229	0.6319	0.3325		0.0745	0.062	0.2211	0.5123	1.0527	0.407	0.1562	0.5257	0.0145	0.24998	0.40319
Nitrogen Dioxide	TM11	3	13	23	77	42	649	0.0022	0.0097	0.1087	0.0916	0.4229	0.6319	0.3325		0.0745	0.062	0.2211	0.5123	1.0527	0.407	0.1562	0.5257	0.0145	0.26089	0.42079
Nitrogen Dioxide	TM11	3	14	23	77	42	600	0.0022	0.0097	0.1087	0.0916	0.4229	0.6319	0.3325		0.0745	0.062	0.2211	0.5123	1.0527	0.407	0.1562	0.5257	0.0145	0.25267	0.40753
Nitrogen Dioxide	TM11	3	15	23	76	41	693	0.0023	0.0098	0.1102	0.093	0.4293	0.6429	0.3395		0.0759	0.0631	0.2254	0.5222	1.0709	0.4154	0.159	0.5366	0.0146	0.26119	0.42128
Nitrogen Dioxide	TM11	3	16	23	77	44	704	0.0022	0.0096	0.1062	0.0893	0.4151	0.6351	0.3215		0.0723	0.0601	0.2145	0.507	1.0393	0.4033	0.1544	0.5253	0.0144	0.25621	0.41324
Nitrogen Dioxide	TM11	3	17	22	79	33	676	0.0025	0.0109	0.1233	0.1054	0.4802	0.7331	0.4009		0.0879	0.0742	0.2612	0.6053	1.2193	0.4984	0.1834	0.6314	0.0156	0.30546	0.49268
Nitrogen Dioxide	TM11	3	18	22	82	33	646	0.0025	0.0107	0.1225	0.1047	0.4756	0.7255	0.3971		0.087	0.0735	0.2587	0.5996	1.2077	0.4837	0.1816	0.6254	0.0153	0.29027	0.46818
Nitrogen Dioxide	TM11	3	19	21	84	33	688	0.0025	0.0109	0.1234	0.1054	0.4805	0.7345	0.4012		0.088	0.0743	0.2614	0.6058	1.2203	0.4888	0.1835	0.6319	0.0157	0.28505	0.45976
Nitrogen Dioxide	TM11	3	20	21	85	34	478	0.0025	0.0108	0.1213	0.1035	0.4722	0.7198	0.3913		0.088	0.0725	0.2557	0.5924	1.1961	0.4769	0.1795	0.6165	0.0155	0.17473	0.28183
Nitrogen Dioxide	TM11	3	21	21	86	34	420	0.0025	0.0107	0.1211	0.1033	0.4708	0.7174	0.3901		0.0858	0.0725	0.2549	0.5906	1.1926	0.4755	0.1789	0.6146	0.0155	0.17999	0.2903
Nitrogen Dioxide	TM11	3	22	21	86	50	168	0.0021	0.0091	0.1002	0.0836	0.3906	0.5766	0.2947		0.067	0.0555	0.1984	0.4595	0.9581	0.3623	0.1411	0.4671	0.0145	0.21463	0.34617
Nitrogen Dioxide	TM11	3	23	21	85	51	91	0.0021	0.0091	0.0995	0.0829	0.388	0.5721	0.2915		0.0664	0.055	0.1964	0.455	0.9502	0.3585	0.1399	0.4653	0.0145	0.26677	0.43028
Nitrogen Dioxide	TM11	3	24	21	86	52	69	0.0021	0.009	0.0984	0.0819	0.3833	0.564	0.2867		0.0654	0.0541	0.1934	0.4479	0.937	0.3528	0.1379	0.4608	0.0144	0.31252	0.50406
Nitrogen Dioxide	TM11	4	1	20	83	52	35	0.0021	0.0093	0.1001	0.0833	0.3927	0.5797	0.2937		0.0671	0.0556	0.1982	0.4589	0.9601	0.3614	0.1413	0.4722	0.0152	0.22928	0.36981
Nitrogen Dioxide	TM11	4	2	20	85	53	21	0.0021	0.0092	0.0989	0.0822	0.387	0.5701	0.2882		0.0659	0.0546	0.1947	0.4508	0.9446	0.3549	0.1389	0.4666	0.015	0.16449	0.26531
Nitrogen Dioxide	TM11	4	3	20	85	53	19	0.0021	0.0092	0.099	0.0824	0.388	0.5718	0.2891		0.0661	0.0547	0.1952	0.4522	0.9472	0.3558	0.1393	0.4678	0.0151	0.17966	0.28817
Nitrogen Dioxide	TM11	4	4	20	85	53	17	0.0021	0.0092	0.0989	0.0822	0.387	0.5701	0.2882		0.0659	0.0546	0.1947	0.4508	0.9446	0.3549	0.1389	0.4666	0.015	0.21452	0.34601
Nitrogen Dioxide	TM11	4	5	19	84	53	17	0.0022	0.0095	0.1001	0.0832	0.3937	0.5814	0.2932		0.0672	0.0556	0.1981	0.4586	0.961	0.361	0.1413	0.4747	0.0156	0.19078	0.3077
Nitrogen Dioxide	TM11	4	6	19	84	53	37	0.0022	0.0095	0.1001	0.0832	0.3937	0.5814	0.2932		0.0672	0.0556	0.1981	0.4586	0.961	0.361	0.1413	0.4747	0.0156	0.1509	0.24339
Nitrogen Dioxide	TM11	4	7	20	84	51	85	0.0022	0.0094	0.1008	0.084	0.3953	0.5843	0.297		0.0677	0.0561	0.2001	0.4635	0.968	0.3652	0.1425	0.474	0.0152	0.15498	0.24997
Nitrogen Dioxide	TM11	4	8	21	79	35	228	0.0025	0.0109	0.1221	0.1031	0.4799	0.7218	0.3898		0.086	0.0724	0.2554	0.5917	1.1976	0.4754	0.1794	0.6243	0.0156	0.12486	0.20138
Nitrogen Dioxide	TM11	4	9	22	73	34	595	0.0026	0.0111	0.1251	0.105	0.4822	0.7357	0.3996		0.0879	0.0741	0.2611	0.605	1.2216	0.487	0.1834	0.6296	0.016	0.34889	0.56272
Nitrogen Dioxide	TM11	4	10	23	69	34	684	0.0026	0.0111	0.1229	0.1049	0.4814	0.7335	0.3989		0.0877	0.0739	0.2607	0.604	1.2195	0.4862	0.183	0.6285	0.0158	0.36716	0.59219
Nitrogen Dioxide	TM11	4	11	23	68	33	720	0.0026	0.0113	0.1251	0.1069	0.4901	0.7488	0.4092		0.0897	0.0758	0.2667	0.6179	1.2446	0.4985	0.1872	0.6444	0.016	0.30976	0.4996
Nitrogen Dioxide	TM11	4	12	24	66	42	700	0.0023	0.0101	0.1104	0.093	0.4326	0.647	0.3401		0.0762	0.0635	0.2262	0.524	1.0768	0.4163	0.1597	0.5377	0.015	0.25577	0.41253
Nitrogen Dioxide	TM11	4	13	24	65	42	649	0.0023	0.0101	0.1107	0.0933	0.4341	0.6495	0.3413		0.0765	0.0637	0.227	0.5259	1.0806	0.4177	0.1603	0.5397	0.0151	0.2629	0.4321
Nitrogen Dioxide	TM11	4	14	24	66	42	600	0.0023	0.0101	0.1104	0.093	0.4326	0.647	0.3401		0.0762	0.0635	0.2262	0.524	1.0768	0.4163	0.1597	0.5377	0.015	0.25585	0.41694
Nitrogen Dioxide	TM11	4	15	24	66	41	693	0.0023	0.0102	0.1117	0.0943	0.4376	0.6559	0.3461		0.0774	0.0645	0.2298	0.5323	1.0916	0.4234	0.1621	0.547	0.0151	0.26629	0.4295
Nitrogen Dioxide	TM11	4	16	24	67	44	704	0.0023	0.0098	0.1076	0.0905	0.4214	0.6277	0.3277		0.0737	0.0613	0.2187	0.5066	1.045	0.4015	0.1547	0.5184	0.0148	0.26116	0.42122
Nitrogen Dioxide	TM11	4	17	23	69	33	676	0.0026	0.0112	0.1248	0.1067	0.4885	0.7461	0.4079		0.0894	0.0755	0.2658	0.6158	1.2404	0.4968	0.1865	0.6423	0.0159	0.31076	0.50122
Nitrogen Dioxide	TM11	4	18	22	74	33	646	0.0026	0.0112	0.1247	0.1065	0.4878	0.7458	0.4073		0.0893	0.0754	0.2654	0.6149	1.2387	0.4961	0.1863	0.6414	0.016	0.29796	0.48057
Nitrogen Dioxide	TM11	4	19	22	76	33	688	0.0026	0.0111	0.1241	0.1061	0.4847	0.7407	0.4048		0.0888	0.0749	0.2637	0.6111	1.2309	0.493	0.1851	0.6374	0.0159	0.2875	0.4637
Nitrogen Dioxide	TM11	4	20	21	78	34	478	0.0026	0.0111	0.1228	0.1048	0.4806	0.7338	0.3983		0.0877	0.0739	0.2603	0.603	1.2176	0.4854	0.1827	0.6275	0.0161	0.1778	0.28678
Nitrogen Dioxide	TM11	4	21	21	80	34	420	0.0025	0.011	0.1225	0.1046	0.4792	0.7315	0.3971		0.0874	0.0736	0.2595	0.6012	1.214	0.484	0.1822	0.6257	0.016	0.18311	0.29533
Nitrogen Dioxide	TM11	4	22	21	81	50	168	0.0021	0.0093	0.1012	0.0845	0.3964	0.586	0.2991		0.0681	0.0564	0.2014	0.4664	0.9724	0.3677	0.1432	0.4741	0.0149	0.21779

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:

(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.

(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Dioxide	TM11	7	9	30	76	34	595	0.002	0.0086	0.1093	0.0931	0.4046	0.6063	0.3353		0.073	0.0617	0.2189	0.5076	1.025	0.4086	0.1538	0.5283	0.0111	0.28992	0.46762
Nitrogen Dioxide	TM11	7	10	31	70	34	684	0.0021	0.0089	0.1101	0.0938	0.4089	0.6134	0.3389		0.0739	0.0624	0.2213	0.513	1.0359	0.413	0.1555	0.5339	0.0114	0.3092	0.49871
Nitrogen Dioxide	TM11	7	11	31	68	33	720	0.0021	0.0092	0.1127	0.0961	0.4202	0.6327	0.3509		0.0763	0.0646	0.2285	0.5298	1.0672	0.4274	0.1605	0.5526	0.0118	0.26414	0.42603
Nitrogen Dioxide	TM11	7	12	32	67	42	700	0.0019	0.0081	0.0988	0.0831	0.3647	0.5403	0.2883		0.064	0.0539	0.1916	0.4442	0.9127	0.3528	0.1394	0.4558	0.0108	0.21566	0.34783
Nitrogen Dioxide	TM11	7	13	32	66	42	649	0.0019	0.0083	0.0993	0.0835	0.3692	0.5444	0.2903		0.0645	0.0539	0.1929	0.4472	0.9189	0.3553	0.1363	0.4589	0.0109	0.22669	0.36563
Nitrogen Dioxide	TM11	7	14	32	66	42	600	0.0019	0.0083	0.0993	0.0835	0.3692	0.5444	0.2903		0.0645	0.0539	0.1929	0.4472	0.9189	0.3553	0.1363	0.4589	0.0109	0.21964	0.35426
Nitrogen Dioxide	TM11	7	15	31	68	41	693	0.0019	0.0084	0.1012	0.0853	0.3782	0.5594	0.2991		0.0664	0.0555	0.1984	0.46	0.9433	0.3659	0.1401	0.4727	0.0113	0.22916	0.36961
Nitrogen Dioxide	TM11	7	16	31	69	44	704	0.0019	0.0081	0.0974	0.0817	0.3632	0.5338	0.2824		0.063	0.0525	0.1883	0.4365	0.9005	0.346	0.1333	0.4467	0.011	0.224	0.36129
Nitrogen Dioxide	TM11	7	17	31	70	33	676	0.0021	0.009	0.1118	0.0953	0.4149	0.6239	0.3465		0.0753	0.0637	0.2256	0.5231	1.0537	0.422	0.1585	0.5456	0.0114	0.26241	0.42324
Nitrogen Dioxide	TM11	7	18	30	73	33	646	0.0021	0.009	0.1123	0.0958	0.4181	0.6291	0.3491		0.0759	0.0642	0.2273	0.527	1.0616	0.4252	0.1596	0.5497	0.0116	0.25395	0.40959
Nitrogen Dioxide	TM11	7	19	29	76	33	688	0.0021	0.009	0.1129	0.0963	0.4215	0.6349	0.352		0.0766	0.0648	0.2292	0.5314	1.0705	0.4288	0.161	0.5543	0.0118	0.24894	0.40151
Nitrogen Dioxide	TM11	7	20	29	79	34	478	0.002	0.0086	0.11	0.0937	0.4085	0.6127	0.3385		0.0738	0.0623	0.221	0.5125	1.0348	0.4126	0.1553	0.5333	0.0113	0.15165	0.24459
Nitrogen Dioxide	TM11	7	21	29	81	34	420	0.0019	0.0084	0.1091	0.093	0.4038	0.605	0.3347		0.0729	0.0616	0.2185	0.5066	1.023	0.4079	0.1536	0.5273	0.0111	0.15503	0.25004
Nitrogen Dioxide	TM11	7	22	29	82	50	168	0.0016	0.007	0.0899	0.0751	0.3331	0.4835	0.2514		0.0566	0.047	0.169	0.3919	0.8171	0.309	0.1204	0.3984	0.0102	0.1834	0.29581
Nitrogen Dioxide	TM11	7	23	28	83	51	91	0.0017	0.0072	0.0904	0.0754	0.3373	0.4898	0.2534		0.0572	0.0474	0.1706	0.3955	0.826	0.3117	0.1216	0.4043	0.0107	0.23215	0.37444
Nitrogen Dioxide	TM11	7	24	28	84	52	69	0.0016	0.0071	0.0893	0.0744	0.3324	0.4817	0.2486		0.0562	0.0466	0.1676	0.3885	0.8127	0.3059	0.1196	0.3997	0.0105	0.27111	0.43728
Nitrogen Dioxide	TM11	8	1	27	90	52	35	0.0016	0.0069	0.089	0.0742	0.3312	0.4797	0.2477		0.0559	0.0464	0.167	0.387	0.8097	0.3048	0.1191	0.3982	0.0104	0.19348	0.31206
Nitrogen Dioxide	TM11	8	2	26	90	53	21	0.0017	0.0072	0.0898	0.0748	0.3371	0.4888	0.2511		0.0569	0.0471	0.1694	0.3927	0.8228	0.3091	0.121	0.4064	0.011	0.14391	0.23212
Nitrogen Dioxide	TM11	8	3	26	91	53	19	0.0017	0.0071	0.0895	0.0746	0.3355	0.4863	0.2499		0.0566	0.0469	0.1686	0.3908	0.819	0.3077	0.1204	0.4045	0.0109	0.15527	0.25043
Nitrogen Dioxide	TM11	8	4	26	92	53	17	0.0017	0.0071	0.0893	0.0744	0.334	0.4838	0.2487		0.0563	0.0467	0.1678	0.389	0.8152	0.3063	0.1199	0.4026	0.0108	0.18604	0.30007
Nitrogen Dioxide	TM11	8	5	26	92	53	17	0.0017	0.0071	0.0893	0.0744	0.334	0.4838	0.2487		0.0563	0.0467	0.1678	0.389	0.8152	0.3063	0.1199	0.4026	0.0108	0.16254	0.26215
Nitrogen Dioxide	TM11	8	6	26	93	53	37	0.0016	0.007	0.089	0.0741	0.3324	0.4813	0.2476		0.056	0.0465	0.1671	0.3872	0.8114	0.3048	0.1193	0.4008	0.0107	0.12853	0.2073
Nitrogen Dioxide	TM11	8	7	26	93	51	85	0.0017	0.0071	0.0906	0.0756	0.3386	0.4919	0.2544		0.0574	0.0476	0.1713	0.397	0.8292	0.3129	0.1221	0.406	0.0108	0.13339	0.21514
Nitrogen Dioxide	TM11	8	8	27	87	35	228	0.002	0.0084	0.1091	0.0929	0.4073	0.61	0.335		0.0733	0.0617	0.2193	0.5084	1.029	0.4084	0.1542	0.528	0.0115	0.10732	0.1731
Nitrogen Dioxide	TM11	8	9	29	81	34	595	0.0019	0.0084	0.1091	0.093	0.4038	0.605	0.3347		0.0729	0.0616	0.2185	0.5066	1.023	0.4079	0.1536	0.5273	0.0111	0.2893	0.46661
Nitrogen Dioxide	TM11	8	10	30	76	34	684	0.002	0.0086	0.1093	0.0931	0.4046	0.6063	0.3353		0.073	0.0617	0.2189	0.5076	1.025	0.4086	0.1538	0.5283	0.0111	0.30573	0.49311
Nitrogen Dioxide	TM11	8	11	30	73	33	720	0.0021	0.009	0.1123	0.0958	0.4181	0.6291	0.3491		0.0759	0.0642	0.2273	0.527	1.0616	0.4252	0.1596	0.5497	0.0116	0.26273	0.42373
Nitrogen Dioxide	TM11	8	12	30	73	42	700	0.0019	0.0081	0.0997	0.0839	0.3718	0.5487	0.2924		0.065	0.0542	0.1943	0.4505	0.9256	0.3578	0.1373	0.4622	0.0111	0.21878	0.35287
Nitrogen Dioxide	TM11	8	13	30	74	42	649	0.0018	0.008	0.0993	0.0836	0.3696	0.5451	0.2906		0.0646	0.0539	0.1931	0.4478	0.9201	0.3557	0.1365	0.4595	0.011	0.2269	0.36597
Nitrogen Dioxide	TM11	8	14	30	74	42	600	0.0018	0.008	0.0993	0.0836	0.3696	0.5451	0.2906		0.0646	0.0539	0.1931	0.4478	0.9201	0.3557	0.1365	0.4595	0.011	0.21984	0.35458
Nitrogen Dioxide	TM11	8	15	30	75	41	693	0.0018	0.008	0.1	0.0843	0.3717	0.5489	0.294		0.0652	0.0545	0.195	0.4521	0.9271	0.3596	0.1377	0.4646	0.0109	0.22507	0.36301
Nitrogen Dioxide	TM11	8	16	29	77	44	704	0.0018	0.0079	0.0975	0.0822	0.3646	0.5361	0.2834		0.0633	0.0527	0.1895	0.4382	0.9004	0.3473	0.1338	0.4485	0.0111	0.22484	0.36265
Nitrogen Dioxide	TM11	8	17	29	79	33	676	0.002	0.0087	0.1116	0.0953	0.4145	0.6232	0.3461		0.0752	0.0636	0.2253	0.5225	1.0525	0.4216	0.1583	0.545	0.0114	0.26206	0.42268
Nitrogen Dioxide	TM11	8	18	28	80	33	646	0.0021	0.0089	0.1131	0.0966	0.4231	0.6375	0.3533		0.0769	0.065	0.2301	0.5335	1.0746	0.4304	0.1616	0.5564	0.0119	0.25709	0.41466
Nitrogen Dioxide	TM11	8	19	28	82	33	688	0.002	0.0088	0.1123	0.0959	0.4187	0.6302	0.3496		0.076	0.0643	0.2277	0.5279	1.0633	0.4259	0.1599	0.5506	0.0117	0.24718	0.39868
Nitrogen Dioxide	TM11	8	20	28	84	34	478	0.002	0.0085	0.1099	0.0937	0.4083	0.6124	0.3383		0.0737	0.0625	0.2209	0.5122	1.0343	0.4124	0.1552	0.5331	0.0113	0.15155	0.24444
Nitrogen Dioxide	TM11	8	21	27	85	34	420	0.002	0.0087	0.1114	0.095	0.4171	0.6269	0.3456		0.0754	0.0637	0.2257	0.5233	1.0566	0.4212	0.1586	0.5445	0.0118	0.15992	0.25793
Nitrogen Dioxide	TM11	8	22	27	87	50	168	0.0017	0.0073	0.0916	0.0765	0.3426	0.4986	0.2586		0.0583	0.0484	0.1739	0.4031	0.8404	0.3178	0.1238	0.4097	0.0108	0.18855	0.30411
Nitrogen Dioxide	TM11	8	23	27	88	51	91	0.0017	0.0071	0.0904	0.0755	0.3377	0.4904	0.2537		0.0573	0.0475	0.1708	0.3959	0.8269	0.312	0.1217	0.4049	0.0107	0.23239	0.37482
Nitrogen Dioxide	TM11	8	24	27	89	52	69	0.0016	0.007	0.0893	0.0745	0.3329	0.4824	0.249		0.0562	0.0467	0.1678	0.389	0.8138	0.3064	0.1197	0.4002	0.0106	0.27147	0.43785
Nitrogen Dioxide	TM11	9	1	27	89	52	35	0.0016	0.007	0.0893	0.0745	0.3329	0.4824	0.249		0.0562	0.0467	0.1678	0.389	0.8138	0.3064	0.1197	0.4002	0.0106	0.19446	0.31365
Nitrogen Dioxide	TM11	9	2	26	89	53	21	0.0017	0.0073	0.0901	0.0751	0.3386	0.4912	0.2522		0.0572	0.0474	0.1702	0.3945	0.8266	0.3105	0.1216	0.4083	0.0112	0.14457	0.23317
Nitrogen Dioxide	TM11	9	3	26	91	53	19	0.0017	0.0071	0.0895	0.0746	0.3355	0.4863	0.2499		0.0566	0.0469	0.1686	0.3908	0.819	0.3077	0.1204	0.4045	0.0109	0.15527	0.25043
Nitrogen Dioxide	TM11	9	4	26	92	53	17	0.0017	0.0073	0.0893	0.0744	0.334	0.4838	0.2487		0.0563	0.0467	0.1678	0.389	0.8152	0.3063	0.1199	0.4026	0.0108	0.18604	0.30007
Nitrogen Dioxide	TM11	9	5	26	92	53	17	0.0017	0.0071	0.0893	0.0744	0.334	0.4838	0.2487		0.0563	0.0467	0.1678	0.389	0.8152	0.3063	0.1199	0.4026	0.0108	0.16254	0.26215
Nitrogen Dioxide	TM11	9	6	26	93	53	37	0.0016	0.007	0.089	0.0741	0.3324	0.4813	0.2476		0.056	0.0465	0.1671	0.3872	0.8114	0.3048	0.1193	0.4008	0.0107	0.12853	0.2073
Nitrogen Dioxide	TM11	9	7	26	93	51	85	0.0017	0.0071	0.0906	0.0756	0.3386	0.4919	0.2544		0.0574	0.0476	0.1713	0.397	0.8292	0.3129	0.1221	0.406	0.0108	0.13339	0.21514
Nitrogen Dioxide	TM11	9	8	27	88	35	228	0.0019	0.0084	0.1087	0.0926	0.4052	0.6066	0.3333		0.0729	0.0614	0.2182	0.5059	1.0239	0.4064	0.1534	0.5253	0.0114	0.10677	0.17221
Nitrogen Dioxide	TM11	9	9	28	83	34	595	0.002	0.0086	0.1103	0.094	0.4105	0.6116	0.3402		0.0742	0.0626	0.2221	0.5151	1.0398	0.4146	0.1561	0.5359	0.0115	0.29433	0.47473
Nitrogen Dioxide	TM11	9	10	29	78	34	684	0.002	0.0087	0.1104	0.094	0.4108	0.6145	0.3404		0.0742	0.0627	0.2223	0.5154	1.0407	0.4149	0.1562	0.5364	0.0115	0.31063	0.50102
Nitrogen Dioxide	TM11	9	11	29	76	33	720	0.0021	0.009	0.1129	0.0963	0.4215	0.6349	0.352		0.0766	0.0648	0.2292	0.5314	1.0705	0.4288	0.161	0.5543	0.0118	0.26497	0.42736
Nitrogen Dioxide	TM11	9	12	29	76	42	700	0.0019	0.0081	0.1002	0.0844	0.3749	0.5537	0.2948		0.0656	0.0547	0.1959	0.4542	0.9333	0.3608	0.1385	0.4661	0.0113	0.22065	0.35588
Nitrogen Dioxide	TM11	9	13	30	75	42	649	0.0018	0.0079	0.0988	0.0832	0.3674	0.5415	0.2889		0.0642	0.0536	0.192	0.4451	0.9145	0.3535	0.1357	0.4567	0.0108	0.22548	0.36367
Nitrogen Dioxide	TM11	9	14	29	75	42	600	0.0019	0.0082	0.1006	0.0847	0.377	0.5571	0.2965		0.066	0.0551	0.197	0.4568	0.9386	0.3628	0.1392	0.4687	0.0114	0.2244	0.36194
Nitrogen Dioxide	TM11	9	15	29	77	41	693	0.0019	0.0081	0.101	0.0852	0.3722	0.5579	0.2983		0.0662	0.0553	0.1979	0.4588	0.9409	0.365	0.1397	0.4715	0.0112	0.22833	0.3686
Nitrogen Dioxide	TM11	9	16	29	76	44	704	0.0018	0.0079	0.0979	0.0823	0.3666	0.5394	0.285		0.0636	0.053	0.1901	0.4407	0.909	0.3492	0.1346	0.451	0.0112	0.22613	0.36473
Nitrogen Dioxide	TM11	9	17	29	78	33	676	0.002	0.0088	0.112	0.0956	0.4168	0.6271	0.3481		0.0757	0.064	0.2266	0.5255	1.0585	0.424	0.1592	0.5481	0.0115	0.2636	0.42516
Nitrogen Dioxide	TM11	9	18	28	81	33	646	0.0021	0.0088	0.1127	0.0962	0.4209	0.6338	0.3515		0.0764	0.0647	0.2289	0.5307	1.0689	0.4281	0.1607	0.5535	0.0118	0.25569	0.4124
Nitrogen Dioxide	TM11	9	19	27	84	33	688	0.0021	0.0089	0.1135	0.0969	0.4253	0.641	0.3551		0.0775	0.0654	0.2312	0.5362	1.08	0.4326	0.1624	0.5592	0.012	0.25116	0.40509
Nitrogen Dioxide	TM11	9	20	27	86	34	478	0.002	0.0086	0.111	0.0947	0.415	0.6235	0.3439		0.075	0.0633	0.2246	0.5207	1.0514	0.4192	0.1578	0.5419	0.0117	0.15394	0.24829
Nitrogen Dioxide	TM11	9	21	27	87	34	420	0.002	0.0087	0.1107	0.0944	0.4134	0.6201	0.3422		0.0746	0.063	0.2234	0.5153	1.0411	0.4151	0.1562	0.5392	0.0116	0.15841	0.2555
Nitrogen Dioxide	TM11	9	22	27	89	50	168	0.0017	0.0071	0.0909	0.076	0.3392	0.4932	0.256		0.0577	0.0479	0.1722	0.3991	0.8321	0.3146	0.1226	0.4056	0.0106	0.18669	0.30112
Nitrogen Dioxide	TM11	9	23	27	89	51	91	0.0016	0.0071	0.0901	0.0752	0.336	0.4877	0.2524		0.0569	0.0472	0.17	0.3939	0.8228	0.3104	0.1211	0.4029	0.0106	0.23122	0.37293
Nitrogen Dioxide	TM11	9	24	26	89	52	69	0.0017	0.0073	0.0909	0.0758	0.3418	0.4965	0.2556		0.0578	0.048	0.1723	0.3994	0.8356	0.3146	0.1229	0.4109	0.0112	0.27873	0.44954
Nitrogen Dioxide	TM11	10	1	24	74	53	35	0.002	0.0088	0.0976	0.0813	0.3791	0.5558	0.2835		0.0643	0.0535	0.1912	0.443	0.9268	0.3489	0.1364	0.4558	0.0138	0.22134	0.357
Nitrogen Dioxide	TM11	10	2	24	74	53	21	0.0021	0.0079	0.0979	0.0815	0.3819	0.5603	0.2844		0.0649	0.0537	0.1921	0.4449	0.9321	0.3502	0.1371	0.4604	0.0143	0.26189	0.42237
Nitrogen Dioxide	TM11	10	3	23	74	53	19	0.0021	0.009	0.0979	0.0815	0.3819	0.5603	0.2844		0.0649	0.0537	0.1921	0.4449	0.9321	0.3502	0.1371	0.4604	0.0143	0.17594	0.28377
Nitrogen Dioxide	TM11	10	4	23	75	53	17	0.0021	0.0089	0.0977	0.0813	0.3806	0.5582	0.2835		0.0647	0.0535	0.1914	0.4433	0.929	0.349	0.1366	0.4589	0.0142	0.21108	0.34045
Nitrogen Dioxide	TM11	10	5	23	74	53	17	0.0021	0.009	0.0979	0.0815	0.3819	0.5603	0.2844		0.0649	0.0537	0.1921	0.4449	0.9321	0.3502	0.1371	0.4604	0.0143	0.18517	0.29866
Nitrogen Dioxide	TM11	10	6	23	75	53	37	0.0021	0.0089	0.0977	0.0813	0.3806	0.5582	0.2835		0.0647	0.0535	0.1914	0.4433	0.929	0.349	0.1366	0.4589	0.0142	0.14611	0.23567
Nitrogen Dioxide	TM11	10	7	23	75	51	85	0.0021	0.009	0.0994	0.0829	0.3877	0.5704	0.2913		0.0663	0.0549	0.1963	0.4546	0.9494	0.3582	0.1398	0.4649	0.0142	0.15203	0.24521
Nitrogen Dioxide	TM11	10	8	23	74	35	228	0.0025	0.0108	0.1203	0.1025	0.4699	0.7137	0.3866		0.0852	0.0717	0.2532	0.5867	1.1876	0.4714	0.1727	0.6093	0.0177	0.1238	0.19967
Nitrogen Dioxide	TM11	10	9	24	69	34	595	0.0025	0.0108	0.1216	0.1038	0.4742	0.7209	0.3929		0.0863	0.0727	0.2567	0.5949	1.2012	0.4789	0.1803	0.6191	0.0153	0.34234	0.55217
Nitrogen Dioxide	TM11	10	10	25	64	34	684	0.0025	0.011	0.1219	0.104	0.4756	0.7233	0.3941		0.0866	0.073	0.2575	0.5967	1.2049	0.4804	0.1808	0.621	0.0154	0.36233	0.5844
Nitrogen Dioxide	TM11	10	11	26	61	33	720	0.0026	0.0111	0.1235	0.1055	0.4809	0.733	0.4016		0.088	0.0743	0.2616	0.6063	1.2213	0.4892	0.1837	0.6324	0.0154	0.30367	0.4898
Nitrogen Dioxide	TM11	10	12	27	60	42	700	0.0023	0.0099	0.1088	0.0916	0.4228	0.6312	0.3325		0.0744	0.062	0.2211	0.5123	1.0526	0.4069	0.1561	0.5257	0.0144	0.24988	0.40303
Nitrogen Dioxide	TM11	10	13	27	59	42	649	0.0023	0.01	0.1091	0.0918	0.4247	0.6343	0.3339		0.0748	0.0623	0.2221	0.5145	1.0572	0.4087	0.1568	0.528	0.0145	0.26195	0.4225
Nitrogen Dioxide	TM11	10	14	27	59	42	600	0.0023	0.01	0.1091	0.0918	0.4247	0.6343	0.3339		0.0748	0.0623	0.2221	0.5145	1.0572	0.4087	0.1568	0.528	0.0145	0.2537	0.40919
Nitrogen Dioxide	TM11	10	15	27	60	41	693	0.0023	0.01	0.1101	0.0928	0.4278	0.6399	0.3383		0.0756	0.063	0.2246	0.5204	1.0671	0.4139	0.1585	0.5347	0.0144	0.26018	0.41964
Nitrogen Dioxide	TM11	10	16	27	62	44	704	0.0022	0.0095	0.1057	0.0887	0.4098	0.609	0.3186		0.0716	0.0595	0.2126	0.4926	1.0162	0.3904	0.1504	0.5041	0.014	0.23375	0.40928
Nitrogen Dioxide	TM11	10	17	26	65	33	676	0.0025	0.0108	0.1221	0.1043	0.4731	0.72	0.395		0.0864	0.073	0.2573	0.5964	1.2013	0.4812	0.1807	0.622	0.0149	0.30053	0.48472
Nitrogen Dioxide	TM11	10	18	25	67	33	646	0.0025	0.0109	0.1228	0.1049	0.4771	0.7266	0.3984		0.0872	0.0736	0.2595	0.6014	1.2115	0.4852	0.1822	0.6273	0.0151	0.29094	0.46925
Nitrogen Dioxide	TM11	10	19	25	69	33	700	0.0024	0.0107	0.1221	0.1043	0.4734	0.7205	0.3953		0.0865	0.0731	0.2575	0.5949	1.2021	0.4815	0.1808	0.6225	0.0149	0.45219	0.72929
Nitrogen Dioxide	TM11	10	20	25	71	34	478	0.0024	0.0104	0.1196	0.102	0.4629	0.7024	0.3836		0.0842	0.0709	0.2506	0.5807	1.1726	0.4675	0.176	0.6044	0.0146	0.17129	0.27627
Nitrogen Dioxide	TM11	10	21	24	71	34	420	0.0025	0.0107	0.121	0.1032	0.4708	0.7153	0.3901		0.0857	0.0722	0.2549	0.5906	1.1925	0.4755	0.179	0.6146	0.0151	0.17992	0.29019
Nitrogen Dioxide	TM11	10	22	24	71	50	168	0.0021	0.0091	0.1002	0.0836	0.3906	0.575	0.2947		0.0669	0.0555	0.1983	0.4595	0.958	0.3623	0.1411	0.4671	0.0141	0.21458	0.34609
Nitrogen Dioxide	TM11	10	23	24	72	51	91	0.0021	0.009	0.099	0.0825	0.3855	0.5664	0.2896		0.0658	0.0545	0.1951	0.4519	0.9439	0.3561	0.1397	0.4622	0.014	0.26498	0.42739
Nitrogen Dioxide	TM11	10	24	24	72	52	69	0.002	0.0089	0.0981	0.0817	0.3819	0.5602	0.2856		0.065	0.0539	0.1927	0.4463	0.9336	0.3515	0.1374	0.4591	0.0139	0.31134	0.50216
Nitrogen Dioxide	TM11	11	1	21	74	52	35	0.0022	0.0094	0.1007	0.0838	0.3959	0.5842	0.2961		0.0677	0.056	0.1988	0.4627	0.9679	0.3644	0.1424	0.476	0.0153	0.23115	0.37283
Nitrogen Dioxide	TM11	11	2	21	74	53	21	0.0022	0.0094	0.1	0.0832	0.3934	0.5797	0.293		0.0671	0.0555	0.1979	0.4583	0.9603	0.3608	0.1412	0.4743	0.0153	0.16713	0.26957
Nitrogen Dioxide	TM11	11	3	21	74	53	19	0.0022	0.0094	0.1	0.0832	0.3934	0.5797	0.293		0.0671	0.0555	0.1979	0.4583	0.9603	0.3608	0.1412	0.4743	0.0153	0.18108	0.29206
Nitrogen Dioxide	TM11	11	4

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:

(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.

(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Dioxide	TM12	1	14	21	62	31	64	0.0029	0.0124	0.1331	0.1142	0.5279	0.8153	0.4479		0.0979	0.083	0.2902	0.6723	1.3473	0.545	0.2034	0.7047	0.0179	0.26294	0.4241
Nitrogen Dioxide	TM12	1	15	21	62	31	74	0.0029	0.0124	0.1331	0.1142	0.5279	0.8153	0.4479		0.0979	0.083	0.2902	0.6723	1.3473	0.545	0.2034	0.7047	0.0179	0.26731	0.43114
Nitrogen Dioxide	TM12	1	16	21	63	31	72	0.0029	0.0124	0.1328	0.114	0.5264	0.8129	0.4467		0.0976	0.0828	0.2894	0.6704	1.3435	0.5435	0.2029	0.7027	0.0178	0.26267	0.42365
Nitrogen Dioxide	TM12	1	17	20	67	31	65	0.0029	0.0124	0.1329	0.1141	0.5267	0.8143	0.4469		0.0977	0.0829	0.2896	0.6708	1.3443	0.5438	0.2031	0.7031	0.018	0.26427	0.42622
Nitrogen Dioxide	TM12	1	18	19	72	31	74	0.0029	0.0126	0.1329	0.114	0.5261	0.8141	0.4464		0.0976	0.0828	0.2892	0.67	1.3428	0.5432	0.2028	0.7023	0.0181	0.26659	0.42998
Nitrogen Dioxide	TM12	1	19	18	74	31	74	0.003	0.0129	0.1336	0.1145	0.5296	0.8209	0.4494		0.0984	0.0834	0.2912	0.6745	1.3517	0.5468	0.2041	0.707	0.0185	0.26847	0.43302
Nitrogen Dioxide	TM12	1	20	18	74	31	57	0.003	0.0129	0.1336	0.1145	0.5296	0.8209	0.4494		0.0984	0.0834	0.2912	0.6745	1.3517	0.5468	0.2041	0.707	0.0185	0.22046	0.35557
Nitrogen Dioxide	TM12	1	21	18	75	31	45	0.003	0.0129	0.1333	0.1143	0.5284	0.8189	0.4483		0.0981	0.0832	0.2905	0.6729	1.3486	0.5455	0.2036	0.7054	0.0184	0.20685	0.33363
Nitrogen Dioxide	TM12	1	22	18	76	31	12	0.0029	0.0128	0.1331	0.1141	0.5272	0.8169	0.4473		0.0979	0.083	0.2899	0.6714	1.3455	0.5443	0.2032	0.7037	0.0183	0.03254	0.05248
Nitrogen Dioxide	TM12	1	23	18	75	31	13	0.003	0.0129	0.1333	0.1143	0.5284	0.8189	0.4483		0.0981	0.0832	0.2905	0.6729	1.3486	0.5455	0.2036	0.7054	0.0184	0.06681	0.01098
Nitrogen Dioxide	TM12	1	24	17	76	31	2	0.003	0.0133	0.1343	0.1151	0.5331	0.8277	0.4523		0.0991	0.084	0.2931	0.6789	1.3606	0.5504	0.2055	0.7116	0.0188	0.003	0.00484
Nitrogen Dioxide	TM12	2	1	17	78	31	5	0.003	0.0132	0.1339	0.1147	0.5308	0.8239	0.4504		0.0986	0.0837	0.2919	0.676	1.3548	0.548	0.2046	0.7086	0.0187	0.00504	0.00813
Nitrogen Dioxide	TM12	2	2	17	80	31	4	0.003	0.0131	0.1334	0.1144	0.5285	0.8201	0.4485		0.0982	0.0833	0.2906	0.6731	1.349	0.5457	0.2037	0.7055	0.0185	0.00552	0.00891
Nitrogen Dioxide	TM12	2	3	17	81	31	4	0.003	0.013	0.1332	0.1142	0.5274	0.8182	0.4475		0.098	0.0831	0.29	0.6717	1.3461	0.5445	0.2033	0.704	0.0185	0.008	0.0129
Nitrogen Dioxide	TM12	2	4	17	82	31	4	0.003	0.013	0.133	0.1144	0.5263	0.8163	0.4465		0.0978	0.0829	0.2894	0.6702	1.3432	0.5433	0.2028	0.7025	0.0184	0.0055	0.00887
Nitrogen Dioxide	TM12	2	5	16	83	31	4	0.0031	0.0134	0.134	0.1148	0.5312	0.8255	0.4507		0.0988	0.0838	0.2921	0.6765	1.3558	0.5484	0.2047	0.7091	0.0189	0.00567	0.00915
Nitrogen Dioxide	TM12	2	6	16	83	31	7	0.0031	0.0134	0.134	0.1148	0.5312	0.8255	0.4507		0.0988	0.0838	0.2921	0.6765	1.3558	0.5484	0.2047	0.7091	0.0189	0.11467	0.18495
Nitrogen Dioxide	TM12	2	7	16	83	31	10	0.0031	0.0134	0.134	0.1148	0.5312	0.8255	0.4507		0.0988	0.0838	0.2921	0.6765	1.3558	0.5484	0.2047	0.7091	0.0189	0.10738	0.17319
Nitrogen Dioxide	TM12	2	8	17	81	31	35	0.003	0.013	0.1332	0.1142	0.5274	0.8182	0.4475		0.098	0.0831	0.29	0.6717	1.3461	0.5445	0.2033	0.704	0.0185	0.21845	0.35234
Nitrogen Dioxide	TM12	2	9	18	77	31	88	0.0029	0.0128	0.1329	0.114	0.526	0.8148	0.4463		0.0976	0.0828	0.2892	0.6698	1.3424	0.543	0.2027	0.7021	0.0182	0.31502	0.5081
Nitrogen Dioxide	TM12	2	10	19	73	31	94	0.0029	0.0125	0.1326	0.1138	0.5248	0.812	0.4453		0.0974	0.0826	0.2885	0.6684	1.3395	0.5418	0.2023	0.7006	0.0181	0.32178	0.51899
Nitrogen Dioxide	TM12	2	11	20	70	31	76	0.0028	0.0123	0.1322	0.1134	0.5226	0.8073	0.4434		0.0969	0.0822	0.2873	0.6655	1.3338	0.5395	0.2014	0.6976	0.0177	0.2636	0.42516
Nitrogen Dioxide	TM12	2	12	20	68	31	72	0.0028	0.0124	0.1327	0.1138	0.5253	0.812	0.4457		0.0974	0.0826	0.2888	0.669	1.3408	0.5424	0.2025	0.7013	0.0179	0.26214	0.42281
Nitrogen Dioxide	TM12	2	13	21	65	31	67	0.0028	0.0123	0.1323	0.1136	0.5234	0.8079	0.4442		0.097	0.0823	0.2878	0.6666	1.336	0.5404	0.2017	0.6988	0.0176	0.26238	0.4232
Nitrogen Dioxide	TM12	2	14	21	65	31	64	0.0028	0.0123	0.1323	0.1136	0.5234	0.8079	0.4442		0.097	0.0823	0.2878	0.6666	1.336	0.5404	0.2017	0.6988	0.0176	0.26076	0.42058
Nitrogen Dioxide	TM12	2	15	21	66	31	74	0.0028	0.0122	0.1321	0.1133	0.522	0.8055	0.4429		0.0967	0.082	0.2869	0.6648	1.3323	0.5389	0.2012	0.6968	0.0175	0.26433	0.42634
Nitrogen Dioxide	TM12	2	16	20	68	31	72	0.0028	0.0123	0.1327	0.1138	0.5253	0.812	0.4457		0.0974	0.0826	0.2888	0.669	1.3408	0.5424	0.2025	0.7013	0.0179	0.26214	0.42281
Nitrogen Dioxide	TM12	2	17	20	70	31	65	0.0028	0.0123	0.1322	0.1134	0.5226	0.8073	0.4434		0.0969	0.0822	0.2873	0.6655	1.3338	0.5395	0.2014	0.6976	0.0177	0.24499	0.39514
Nitrogen Dioxide	TM12	2	18	19	74	31	74	0.0029	0.0125	0.1324	0.1136	0.5235	0.8098	0.4442		0.0971	0.0824	0.2878	0.6667	1.3362	0.5405	0.2018	0.6988	0.0179	0.26528	0.42787
Nitrogen Dioxide	TM12	2	19	18	76	31	74	0.0029	0.0128	0.1331	0.1141	0.5273	0.8169	0.4473		0.0979	0.083	0.2899	0.6714	1.3455	0.5443	0.2032	0.7037	0.0183	0.26721	0.43099
Nitrogen Dioxide	TM12	2	20	18	78	31	57	0.0029	0.0127	0.1327	0.1138	0.5247	0.8128	0.4453		0.0974	0.0826	0.2885	0.6683	1.3394	0.5418	0.2022	0.7005	0.0182	0.21845	0.35234
Nitrogen Dioxide	TM12	2	21	18	78	31	45	0.0029	0.0127	0.1327	0.1138	0.5247	0.8128	0.4453		0.0974	0.0826	0.2885	0.6683	1.3394	0.5418	0.2022	0.7005	0.0182	0.20546	0.33138
Nitrogen Dioxide	TM12	2	22	18	78	31	17	0.0029	0.0127	0.1327	0.1138	0.5247	0.8128	0.4453		0.0974	0.0826	0.2885	0.6683	1.3394	0.5418	0.2022	0.7005	0.0182	0.03238	0.05223
Nitrogen Dioxide	TM12	2	23	18	78	31	13	0.0029	0.0127	0.1327	0.1138	0.5247	0.8128	0.4453		0.0974	0.0826	0.2885	0.6683	1.3394	0.5418	0.2022	0.7005	0.0182	0.00667	0.01076
Nitrogen Dioxide	TM12	2	24	18	78	31	2	0.0029	0.0127	0.1327	0.1138	0.5247	0.8128	0.4453		0.0974	0.0826	0.2885	0.6683	1.3394	0.5418	0.2022	0.7005	0.0182	0.0029	0.00468
Nitrogen Dioxide	TM12	3	1	21	86	31	5	0.0026	0.0111	0.1268	0.1087	0.4925	0.7562	0.4179		0.091	0.0773	0.2707	0.6272	1.257	0.5085	0.1898	0.6574	0.0157	0.0043	0.00694
Nitrogen Dioxide	TM12	3	2	20	87	31	4	0.0026	0.0114	0.1279	0.1098	0.4991	0.768	0.4235		0.0923	0.0784	0.2743	0.6356	1.2738	0.5153	0.1923	0.6662	0.0163	0.0048	0.00774
Nitrogen Dioxide	TM12	3	3	20	87	31	4	0.0026	0.0114	0.1279	0.1098	0.4991	0.768	0.4235		0.0923	0.0784	0.2743	0.6356	1.2738	0.5153	0.1923	0.6662	0.0163	0.0048	0.00774
Nitrogen Dioxide	TM12	3	4	20	87	31	4	0.0026	0.0114	0.1279	0.1098	0.4991	0.768	0.4235		0.0923	0.0784	0.2743	0.6356	1.2738	0.5153	0.1923	0.6662	0.0163	0.0048	0.00774
Nitrogen Dioxide	TM12	3	5	20	87	31	4	0.0026	0.0114	0.1279	0.1098	0.4991	0.768	0.4235		0.0923	0.0784	0.2743	0.6356	1.2738	0.5153	0.1923	0.6662	0.0163	0.0048	0.00774
Nitrogen Dioxide	TM12	3	6	20	87	31	7	0.0026	0.0114	0.1279	0.1098	0.4991	0.768	0.4235		0.0923	0.0784	0.2743	0.6356	1.2738	0.5153	0.1923	0.6662	0.0163	0.108	0.17419
Nitrogen Dioxide	TM12	3	7	20	87	31	10	0.0026	0.0114	0.1279	0.1098	0.4991	0.768	0.4235		0.0923	0.0784	0.2743	0.6356	1.2738	0.5153	0.1923	0.6662	0.0163	0.10144	0.16361
Nitrogen Dioxide	TM12	3	8	20	86	31	35	0.0026	0.0115	0.1282	0.11	0.5004	0.7703	0.4246		0.0926	0.0786	0.2751	0.6374	1.2773	0.5167	0.1929	0.6681	0.0164	0.20719	0.33418
Nitrogen Dioxide	TM12	3	9	21	83	31	88	0.0026	0.0113	0.1275	0.1094	0.4969	0.7636	0.4216		0.0919	0.078	0.2731	0.6343	1.2683	0.513	0.1913	0.6633	0.0163	0.29729	0.47951
Nitrogen Dioxide	TM12	3	10	22	79	31	94	0.0026	0.0112	0.1272	0.1091	0.495	0.7597	0.4201		0.0915	0.0776	0.2721	0.6305	1.2635	0.5111	0.1908	0.6608	0.0158	0.30323	0.48908
Nitrogen Dioxide	TM12	3	11	22	78	31	76	0.0026	0.0113	0.1275	0.1094	0.4966	0.7623	0.4214		0.0918	0.0779	0.2729	0.6325	1.2675	0.5127	0.1914	0.6629	0.0159	0.25042	0.40391
Nitrogen Dioxide	TM12	3	12	23	77	31	72	0.0025	0.011	0.1263	0.1084	0.4902	0.7509	0.4159		0.0905	0.0768	0.2694	0.6243	1.2512	0.5061	0.1889	0.6544	0.0153	0.24456	0.39445
Nitrogen Dioxide	TM12	3	13	23	77	31	67	0.0025	0.011	0.1263	0.1084	0.4902	0.7509	0.4159		0.0905	0.0768	0.2694	0.6243	1.2512	0.5061	0.1889	0.6544	0.0153	0.24562	0.39616
Nitrogen Dioxide	TM12	3	14	23	77	31	64	0.0025	0.011	0.1263	0.1084	0.4902	0.7509	0.4159		0.0905	0.0768	0.2694	0.6243	1.2512	0.5061	0.1889	0.6544	0.0153	0.2441	0.39371
Nitrogen Dioxide	TM12	3	15	23	88	31	74	0.0026	0.0111	0.1266	0.1087	0.4919	0.7536	0.4174		0.0908	0.0771	0.2703	0.6264	1.2554	0.5078	0.1896	0.6566	0.0154	0.24903	0.40166
Nitrogen Dioxide	TM12	3	16	23	77	31	72	0.0025	0.011	0.1263	0.1084	0.4902	0.7509	0.4159		0.0905	0.0768	0.2694	0.6243	1.2512	0.5061	0.1889	0.6544	0.0153	0.24456	0.39445
Nitrogen Dioxide	TM12	3	17	22	79	31	65	0.0026	0.0112	0.1272	0.1091	0.495	0.7597	0.4201		0.0915	0.0776	0.2721	0.6305	1.2635	0.5111	0.1908	0.6608	0.0158	0.23204	0.37426
Nitrogen Dioxide	TM12	3	18	22	82	31	74	0.0025	0.011	0.1264	0.1084	0.4903	0.7518	0.416		0.0906	0.0769	0.2695	0.6245	1.2515	0.5062	0.189	0.6545	0.0155	0.24824	0.40039
Nitrogen Dioxide	TM12	3	19	21	84	31	74	0.0026	0.0112	0.1273	0.1092	0.4954	0.7611	0.4204		0.0916	0.0777	0.2723	0.631	1.2645	0.5115	0.1909	0.6614	0.0159	0.25091	0.40469
Nitrogen Dioxide	TM12	3	20	21	86	31	57	0.0026	0.0112	0.127	0.109	0.4939	0.7587	0.4191		0.0913	0.0775	0.2715	0.6291	1.2607	0.51	0.1904	0.6594	0.0158	0.20562	0.33164
Nitrogen Dioxide	TM12	3	21	21	86	31	45	0.0026	0.0111	0.1268	0.1087	0.4925	0.7562	0.4179		0.091	0.0773	0.2707	0.6272	1.257	0.5085	0.1898	0.6574	0.0157	0.19298	0.31126
Nitrogen Dioxide	TM12	3	22	21	86	31	17	0.0026	0.0111	0.1268	0.1087	0.4925	0.7562	0.4179		0.091	0.0773	0.2707	0.6272	1.257	0.5085	0.1898	0.6574	0.0157	0.03003	0.04843
Nitrogen Dioxide	TM12	3	23	21	85	31	13	0.0026	0.0112	0.127	0.109	0.4939	0.7587	0.4191		0.0913	0.0775	0.2715	0.6291	1.2607	0.51	0.1904	0.6594	0.0158	0.00591	0.00953
Nitrogen Dioxide	TM12	3	24	21	86	31	2	0.0026	0.0111	0.1268	0.1087	0.4925	0.7562	0.4179		0.091	0.0773	0.2707	0.6272	1.257	0.5085	0.1898	0.6574	0.0157	0.0026	0.00419
Nitrogen Dioxide	TM12	4	1	20	83	31	5	0.0027	0.0116	0.1289	0.1106	0.5046	0.7773	0.4282		0.0934	0.0793	0.2774	0.6426	1.2879	0.521	0.1945	0.6736	0.0166	0.00448	0.00723
Nitrogen Dioxide	TM12	4	2	20	84	31	4	0.0027	0.0116	0.1287	0.1104	0.5032	0.7748	0.4268		0.0929	0.0788	0.2758	0.6391	1.2808	0.5181	0.1934	0.6693	0.0165	0.00489	0.0079
Nitrogen Dioxide	TM12	4	3	20	84	31	4	0.0027	0.0116	0.1287	0.1104	0.5032	0.775	0.427		0.0931	0.079	0.2766	0.6409	1.2844	0.5195	0.1939	0.6717	0.0165	0.00715	0.01153
Nitrogen Dioxide	TM12	4	4	20	85	31	4	0.0027	0.0115	0.1284	0.1102	0.5018	0.7726	0.4258		0.0929	0.0788	0.2758	0.6391	1.2808	0.5181	0.1934	0.6699	0.0165	0.0049	0.0079
Nitrogen Dioxide	TM12	4	5	19	84	31	4	0.0027	0.0119	0.13	0.1116	0.5106	0.7881	0.4332		0.0946	0.0803	0.2807	0.6502	1.3031	0.5271	0.1968	0.6815	0.0171	0.005	0.00806
Nitrogen Dioxide	TM12	4	6	19	84	31	7	0.0027	0.0119	0.13	0.1116	0.5106	0.7881	0.4332		0.0946	0.0803	0.2807	0.6502	1.3031	0.5271	0.1968	0.6815	0.0171	0.11031	0.17793
Nitrogen Dioxide	TM12	4	7	20	84	31	10	0.0027	0.0116	0.1287	0.1104	0.5032	0.775	0.427		0.0931	0.079	0.2766	0.6409	1.2844	0.5195	0.1939	0.6717	0.0165	0.01221	0.16485
Nitrogen Dioxide	TM12	4	8	21	79	31	35	0.0027	0.0115	0.1286	0.1104	0.5028	0.7734	0.4266		0.093	0.0789	0.2764	0.6403	1.2833	0.5191	0.1938	0.6712	0.0164	0.20811	0.33567
Nitrogen Dioxide	TM12	4	9	22	73	31	88	0.0027	0.0116	0.1289	0.1106	0.5045	0.7754	0.4281		0.0933	0.0792	0.2773	0.6425	1.2876	0.5209	0.1944	0.6734	0.0163	0.30181	0.4868
Nitrogen Dioxide	TM12	4	10	23	69	31	94	0.0027	0.0116	0.1288	0.1105	0.5036	0.7732	0.4273		0.0931	0.079	0.2768	0.6414	1.2854	0.52	0.1941	0.6723	0.0161	0.30843	0.49746
Nitrogen Dioxide	TM12	4	11	23	68	31	76	0.0027	0.0116	0.1291	0.1107	0.5053	0.776	0.4287		0.0934	0.0793	0.2777	0.6435	1.2897	0.5217	0.1947	0.6745	0.0162	0.25473	0.41085
Nitrogen Dioxide	TM12	4	12	24	66	31	72	0.0027	0.0115	0.1284	0.1101	0.5014	0.7688	0.4254		0.0926	0.0786	0.2756	0.6386	1.2798	0.5177	0.1932	0.6693	0.0159	0.25011	0.40341
Nitrogen Dioxide	TM12	4	13	24	66	31	67	0.0027	0.0116	0.1287	0.1104	0.5032	0.7748	0.4277		0.093	0.0789	0.2766	0.6408	1.2843	0.5195	0.1939	0.6717	0.0164	0.04668	0.0168
Nitrogen Dioxide	TM12	4	14	24	66	31	64	0.0027	0.0115	0.1284	0.1101	0.5014	0.7688	0.4254		0.0926	0.0786	0.2756	0.6386	1.2798	0.5177	0.1932	0.6693	0.0159	0.24963	0.40267
Nitrogen Dioxide	TM12	4	15	24	66	31	74	0.0027	0.0115	0.1284	0.1101	0.5014	0.7688	0.4254		0.0926	0.0786	0.2756	0.6386	1.2798	0.5177	0.1932	0.6693	0.0159	0.25378	0.40932
Nitrogen Dioxide	TM12	4	16	24	67	31	72	0.0026	0.0114	0.128	0.1099	0.4996	0.7658	0.4239		0.0923	0.0783	0.2746	0.6363	1.2752	0.5158	0.1926	0.6669	0.0158	0.24921	0.40194
Nitrogen Dioxide	TM12	4	17	23	69	31	65	0.0027	0.0116	0.1288	0.1105	0.5036	0.7732	0.4273		0.0931	0.079	0.2768	0.6414	1.2854	0.52	0.1941	0.6723	0.0161	0.236	0.38065
Nitrogen Dioxide	TM12	4	18	22	74	31	74	0.0027	0.0115	0.1286	0.1104	0.5029	0.7728	0.4267		0.093	0.0789	0.2764	0.6405	1.2836	0.5192	0.1938	0.6713	0.0162	0.25464	0.4107
Nitrogen Dioxide	TM12	4	19	22	76	31	74	0.0026	0.0114	0.1281	0.1099	0.4998	0.7676	0.4241		0.0924	0.0784	0.2747	0.6365	1.2756	0.516	0.1926	0.6671	0.0161	0.25307	0.40817
Nitrogen Dioxide	TM12	4	20	21	79	31	57	0.0027	0.0115	0.1286	0.1104	0.5028	0.7734	0.4266		0.093	0.0789	0.2764	0.6403	1.2833	0.5191	0.1938	0.6712	0.0164	0.20925	0.3375
Nitrogen Dioxide	TM12	4	21	21	80	31	45	0.0026	0.0115	0.1283	0.1101	0.5013	0.771	0.4254		0.0927	0.0787	0.2756	0.6385	1.2796	0.5176	0.1932	0.6692	0.0163	0.19634	0.31667
Nitrogen Dioxide	TM12	4	22	21	81	31	17	0.0026	0.0114	0.1281	0.1099	0.4988	0.7645	0.4241		0.0924	0.0785	0.2747	0.6366	1.2758	0.5161	0.1926	0.6673	0.0162	0.0305	0.04919
Nitrogen Dioxide	TM12	4	23	21	82	31	13	0.0026	0.0114	0.1278	0.1097	0.4984	0.7661	0.4229		0.0922	0.0782	0.2739	0.6347	1.272	0.5146	0.1921	0.6653	0.0161	0.00598	0.00965
Nitrogen Dioxide	TM12	4	24	20	82	31	2	0.0027	0.0117	0.1292	0.1108	0.5036	0.7796	0.4293		0.0937	0.0795	0.2781	0.6443	1.2914	0.5224	0.1945	0.6754	0.0162	0.00027	0.00435
Nitrogen Dioxide	TM12	5	1	26	91	31	5	0.0021	0.009	0.1164	0.0998	0.4351	0.6586	0.3692		0.0798	0.0679	0.239	0.5541	1.1105	0.4492	0.1677	0.5808	0.012	0.00348	0.00561
Nitrogen Dioxide	TM12	5	2	25	92	31	4	0.0022	0.0093	0.1181	0.1013	0.4443	0.6739	0.377		0.0816	0.0694	0.2441	0.5659	1.134	0.4587	0.1712	0.5931	0.0125	0.00397	0.00641
Nitrogen Dioxide	TM12	5	3	25	92	31	4	0.0022	0.0093	0.1181	0.1013	0.4443	0.6739	0.377		0.0816	0.0694	0.2441	0.5659	1.134	0.4587	0.1712	0.5931	0.0125	0.00575	0.00927
Nitrogen Dioxide	TM12	5	4	25	91	31	4	0.0022	0.0093	0.1184	0.1016	0.4462	0.6771	0.3786		0.0819	0.0697	0.2451	0.5683	1.1389	0.4607	0.172	0.5956	0.0126	0.00397	0.00641
Nitrogen Dioxide	TM12	5	5	25	92	31	4	0.0022	0.0093	0.1181	0.1013	0.4443	0.6739	0.377		0.0816	0.0694	0.2441	0.5659	1.134	0.4587	0.1712	0.5931	0.0125	0.00397	0.00641
Nitrogen Dioxide	TM12	5	6	25	92	31	7	0.0021	0.0092	0.1177	0.1011	0.4424	0.6708	0.3754		0.0812	0.0691	0.2431	0.5634	1.1292	0.4568	0.1705	0.5906	0.0124	0.00666	0.1559
Nitrogen Dioxide	TM12	5	7	26	91	31	10	0.0021	0.009	0.1164	0.0998	0.4351	0.6586	0.3692		0.0798	0.0679	0.239	0.5541	1.1105	0.4492	0.1677	0.5808	0.012	0.00915	0.1454
Nitrogen Dioxide	TM12	5	8	27	85	31	35	0.0021	0.0091	0.1167	0.1	0.4363	0.6607	0.3702		0.08	0.0681	0.2397	0.5557	1.1136	0.4505	0.1682	0.5825	0.

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:

(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.

(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Dioxide	TM12	7	19	29	76	31	74	0.0021	0.0092	0.1165	0.0998	0.4346	0.6578	0.3688		0.0797	0.0678	0.2387	0.5535	1.1093	0.4487	0.1673	0.5802	0.012	0.2201	0.35501
Nitrogen Dioxide	TM12	7	20	29	79	31	57	0.0021	0.0089	0.1152	0.0986	0.4273	0.6457	0.3626		0.0783	0.0666	0.2347	0.5442	1.0907	0.4412	0.1647	0.5704	0.0115	0.17829	0.28757
Nitrogen Dioxide	TM12	7	21	29	81	31	45	0.002	0.0087	0.1143	0.0979	0.4225	0.6377	0.3585		0.0774	0.0658	0.232	0.538	1.0783	0.4362	0.1628	0.564	0.0113	0.16625	0.26814
Nitrogen Dioxide	TM12	7	22	29	82	31	17	0.002	0.0086	0.1138	0.0975	0.42	0.6336	0.3564		0.0769	0.0654	0.2307	0.5349	1.0721	0.4337	0.1619	0.5607	0.0111	0.04061	0.02518
Nitrogen Dioxide	TM12	7	23	28	83	31	13	0.0021	0.0089	0.1155	0.099	0.4294	0.6492	0.3644		0.0787	0.0669	0.2358	0.5469	1.096	0.4433	0.1655	0.5732	0.0117	0.00472	0.00761
Nitrogen Dioxide	TM12	7	24	28	84	31	2	0.002	0.0088	0.1151	0.0986	0.4271	0.6454	0.3624		0.0783	0.0666	0.2346	0.544	1.0902	0.441	0.1646	0.5702	0.0115	0.002	0.00323
Nitrogen Dioxide	TM12	8	1	27	90	31	5	0.002	0.0086	0.1148	0.0984	0.4256	0.6428	0.3611		0.0779	0.0663	0.2337	0.542	1.0862	0.4394	0.164	0.5681	0.0114	0.00332	0.00535
Nitrogen Dioxide	TM12	8	2	26	90	31	4	0.0021	0.009	0.1168	0.1002	0.4371	0.662	0.3709		0.0802	0.0682	0.2401	0.5567	1.1157	0.4513	0.1685	0.5835	0.0121	0.00383	0.00617
Nitrogen Dioxide	TM12	8	3	26	91	31	4	0.0021	0.009	0.1164	0.0998	0.4351	0.6586	0.3692		0.0798	0.0679	0.239	0.5541	1.1105	0.4492	0.1677	0.5808	0.012	0.00555	0.00895
Nitrogen Dioxide	TM12	8	4	26	92	31	4	0.0021	0.0089	0.1161	0.0995	0.4331	0.6553	0.3675		0.0794	0.0675	0.2379	0.5516	1.1054	0.4471	0.1669	0.5781	0.0119	0.0038	0.00613
Nitrogen Dioxide	TM12	8	5	26	93	31	4	0.002	0.0088	0.1157	0.0992	0.4311	0.6519	0.3658		0.079	0.0672	0.2367	0.549	1.1002	0.445	0.1661	0.5754	0.0118	0.0037	0.00597
Nitrogen Dioxide	TM12	8	6	26	94	31	7	0.002	0.0087	0.1153	0.0989	0.429	0.6486	0.364		0.0786	0.0669	0.2356	0.5464	1.095	0.443	0.1654	0.5727	0.0116	0.09399	0.15159
Nitrogen Dioxide	TM12	8	7	26	93	31	10	0.002	0.0088	0.1157	0.0992	0.4311	0.6519	0.3658		0.079	0.0672	0.2367	0.549	1.1002	0.445	0.1661	0.5754	0.0118	0.08942	0.14423
Nitrogen Dioxide	TM12	8	8	27	87	31	35	0.0021	0.0089	0.1159	0.0994	0.432	0.6535	0.3666		0.0792	0.0674	0.2373	0.5502	1.1027	0.446	0.1665	0.5767	0.0118	0.17929	0.28918
Nitrogen Dioxide	TM12	8	9	29	81	31	88	0.002	0.0087	0.1143	0.0979	0.4225	0.6377	0.3585		0.0774	0.0658	0.232	0.538	1.0783	0.4362	0.1628	0.564	0.0113	0.25261	0.40744
Nitrogen Dioxide	TM12	8	10	30	72	31	94	0.0021	0.0089	0.1145	0.098	0.4233	0.639	0.3592		0.0775	0.066	0.2325	0.5391	1.0804	0.437	0.1631	0.565	0.0113	0.25908	0.41788
Nitrogen Dioxide	TM12	8	11	30	73	31	76	0.0021	0.0092	0.1159	0.0992	0.431	0.6519	0.3657		0.079	0.0672	0.2367	0.5489	1.1001	0.445	0.1661	0.5754	0.0118	0.2174	0.35064
Nitrogen Dioxide	TM12	8	12	30	73	31	72	0.0021	0.0092	0.1159	0.0992	0.431	0.6519	0.3657		0.079	0.0672	0.2367	0.5489	1.1001	0.445	0.1661	0.5754	0.0118	0.21528	0.34723
Nitrogen Dioxide	TM12	8	13	30	74	31	67	0.0021	0.0091	0.1154	0.0988	0.4284	0.6476	0.3635		0.0785	0.0668	0.2353	0.5456	1.0935	0.4423	0.1651	0.5719	0.0116	0.21482	0.34648
Nitrogen Dioxide	TM12	8	14	30	74	31	64	0.0021	0.0091	0.1154	0.0988	0.4284	0.6476	0.3635		0.0785	0.0668	0.2353	0.5456	1.0935	0.4423	0.1651	0.5719	0.0116	0.21349	0.34434
Nitrogen Dioxide	TM12	8	15	30	75	31	74	0.0021	0.0089	0.1149	0.0984	0.4259	0.6433	0.3613		0.078	0.0664	0.2339	0.5424	1.0869	0.4397	0.1641	0.5685	0.0115	0.21569	0.34789
Nitrogen Dioxide	TM12	8	16	29	77	31	72	0.0021	0.0091	0.116	0.0994	0.4322	0.6538	0.3667		0.0792	0.0674	0.2374	0.5504	1.1031	0.4462	0.1666	0.5769	0.0118	0.21583	0.34812
Nitrogen Dioxide	TM12	8	17	29	79	31	65	0.0021	0.0089	0.1152	0.0986	0.4273	0.6457	0.3626		0.0783	0.0666	0.2347	0.5442	1.0907	0.4412	0.1647	0.5704	0.0115	0.20044	0.32329
Nitrogen Dioxide	TM12	8	18	28	80	31	74	0.0021	0.0092	0.1167	0.1	0.4363	0.6606	0.3702		0.08	0.068	0.2396	0.5556	1.1135	0.4504	0.1681	0.5824	0.0121	0.22092	0.35632
Nitrogen Dioxide	TM12	8	19	28	82	31	34	0.0021	0.009	0.1159	0.0993	0.4317	0.653	0.3663		0.0791	0.0673	0.2371	0.5498	1.1018	0.4457	0.1664	0.5763	0.0118	0.21861	0.3526
Nitrogen Dioxide	TM12	8	20	28	84	31	52	0.002	0.0088	0.1151	0.0986	0.4271	0.6454	0.3624		0.0783	0.0666	0.2346	0.544	1.0902	0.441	0.1646	0.5702	0.0115	0.17816	0.28735
Nitrogen Dioxide	TM12	8	21	27	85	31	45	0.0021	0.0091	0.1167	0.1	0.4363	0.6607	0.3702		0.08	0.0681	0.2397	0.5557	1.1136	0.4509	0.1682	0.5825	0.0121	0.17148	0.27658
Nitrogen Dioxide	TM12	8	22	27	87	31	17	0.0021	0.0089	0.1159	0.0994	0.432	0.6535	0.3666		0.0792	0.0674	0.2373	0.5502	1.1027	0.446	0.1665	0.5767	0.0118	0.02594	0.04184
Nitrogen Dioxide	TM12	8	23	27	88	31	13	0.002	0.0088	0.1155	0.099	0.4299	0.6499	0.3647		0.0788	0.067	0.2361	0.5475	1.0972	0.4438	0.1657	0.5738	0.0117	0.00462	0.00744
Nitrogen Dioxide	TM12	8	24	27	89	31	2	0.002	0.0087	0.1151	0.0987	0.4277	0.6464	0.3629		0.0784	0.0667	0.2349	0.5447	1.0917	0.4416	0.1648	0.571	0.0116	0.002	0.00323
Nitrogen Dioxide	TM12	9	1	27	89	31	5	0.002	0.0087	0.1151	0.0987	0.4277	0.6464	0.3629		0.0784	0.0667	0.2349	0.5447	1.0917	0.4416	0.1648	0.571	0.0116	0.00334	0.00539
Nitrogen Dioxide	TM12	9	2	26	89	31	4	0.0021	0.0091	0.1172	0.1005	0.4391	0.6654	0.3726		0.0806	0.0685	0.2412	0.5593	1.1209	0.4534	0.1693	0.5862	0.0122	0.00385	0.00621
Nitrogen Dioxide	TM12	9	3	26	91	31	4	0.0021	0.009	0.1164	0.0998	0.4351	0.6586	0.3692		0.0798	0.0679	0.239	0.5541	1.1105	0.4492	0.1677	0.5808	0.012	0.00555	0.00895
Nitrogen Dioxide	TM12	9	4	26	92	31	4	0.0021	0.0089	0.1161	0.0995	0.4331	0.6553	0.3675		0.0794	0.0675	0.2379	0.5516	1.1054	0.4471	0.1669	0.5781	0.0119	0.0038	0.00613
Nitrogen Dioxide	TM12	9	5	26	92	31	4	0.0021	0.0089	0.1161	0.0995	0.4331	0.6553	0.3675		0.0794	0.0675	0.2379	0.5516	1.1054	0.4471	0.1669	0.5781	0.0119	0.0038	0.00613
Nitrogen Dioxide	TM12	9	6	26	93	31	7	0.002	0.0088	0.1157	0.0992	0.4311	0.6519	0.3658		0.079	0.0672	0.2367	0.549	1.1002	0.445	0.1661	0.5754	0.0118	0.0944	0.15226
Nitrogen Dioxide	TM12	9	7	26	93	31	10	0.002	0.0088	0.1157	0.0992	0.4311	0.6519	0.3658		0.079	0.0672	0.2367	0.549	1.1002	0.445	0.1661	0.5754	0.0118	0.08942	0.14423
Nitrogen Dioxide	TM12	9	8	27	88	31	35	0.002	0.0088	0.1155	0.099	0.4299	0.6499	0.3647		0.0788	0.067	0.2361	0.5475	1.0972	0.4438	0.1657	0.5738	0.0117	0.17937	0.28917
Nitrogen Dioxide	TM12	9	9	28	83	31	88	0.0021	0.0089	0.1155	0.099	0.4294	0.6492	0.3644		0.0787	0.0669	0.2358	0.5469	1.096	0.4433	0.1655	0.5732	0.0117	0.25677	0.41414
Nitrogen Dioxide	TM12	9	10	29	78	31	94	0.0021	0.009	0.1156	0.099	0.4298	0.6498	0.3647		0.0788	0.067	0.236	0.5473	1.0969	0.4437	0.1656	0.5737	0.0117	0.26304	0.42426
Nitrogen Dioxide	TM12	9	11	29	76	31	76	0.0021	0.0092	0.1165	0.0998	0.4346	0.6578	0.3688		0.0797	0.0678	0.2387	0.5535	1.1093	0.4487	0.1673	0.5802	0.012	0.21919	0.35354
Nitrogen Dioxide	TM12	9	12	29	76	31	72	0.0021	0.0092	0.1165	0.0998	0.4346	0.6578	0.3688		0.0797	0.0678	0.2387	0.5535	1.1093	0.4487	0.1673	0.5802	0.012	0.21705	0.35009
Nitrogen Dioxide	TM12	9	13	30	75	31	67	0.0021	0.009	0.1149	0.0984	0.4259	0.6433	0.3613		0.078	0.0664	0.2339	0.5424	1.0869	0.4397	0.1641	0.5685	0.0115	0.21353	0.3444
Nitrogen Dioxide	TM12	9	14	29	76	31	64	0.0022	0.0093	0.1169	0.1001	0.4377	0.6619	0.3708		0.0802	0.0682	0.2401	0.5567	1.1155	0.4512	0.1684	0.5834	0.0121	0.21775	0.3512
Nitrogen Dioxide	TM12	9	15	29	77	31	74	0.0021	0.0091	0.116	0.0994	0.4322	0.6538	0.3667		0.0792	0.0674	0.2374	0.5504	1.1031	0.4462	0.1666	0.5769	0.0118	0.21886	0.35301
Nitrogen Dioxide	TM12	9	16	29	78	31	72	0.0021	0.0092	0.1165	0.0998	0.4346	0.6578	0.3688		0.0797	0.0678	0.2387	0.5535	1.1093	0.4487	0.1673	0.5802	0.012	0.21705	0.35009
Nitrogen Dioxide	TM12	9	17	29	78	31	65	0.0021	0.009	0.1156	0.099	0.4298	0.6498	0.3647		0.0788	0.067	0.236	0.5473	1.0969	0.4437	0.1656	0.5737	0.0117	0.20159	0.32514
Nitrogen Dioxide	TM12	9	18	28	81	31	74	0.0021	0.0091	0.1163	0.0997	0.434	0.6568	0.3682		0.0796	0.0677	0.2384	0.5527	1.1077	0.4481	0.1673	0.5793	0.0119	0.21975	0.35444
Nitrogen Dioxide	TM12	9	19	27	84	31	74	0.0022	0.0092	0.1171	0.1004	0.4385	0.6642	0.3721		0.0804	0.0684	0.2408	0.5584	1.1191	0.4527	0.1693	0.5853	0.0122	0.22203	0.35811
Nitrogen Dioxide	TM12	9	20	27	86	31	57	0.0021	0.009	0.1163	0.0997	0.4342	0.6571	0.3684		0.0796	0.0677	0.2385	0.5529	1.1082	0.4483	0.1673	0.5796	0.0119	0.18105	0.29202
Nitrogen Dioxide	TM12	9	21	27	87	31	45	0.0021	0.0089	0.1159	0.0994	0.432	0.6535	0.3666		0.0792	0.0674	0.2373	0.5502	1.1027	0.446	0.1665	0.5767	0.0118	0.16986	0.27396
Nitrogen Dioxide	TM12	9	22	27	89	31	17	0.002	0.0087	0.1151	0.0987	0.4277	0.6464	0.3629		0.0784	0.0667	0.2349	0.5447	1.0917	0.4416	0.1648	0.571	0.0116	0.02559	0.04128
Nitrogen Dioxide	TM12	9	23	27	89	31	13	0.002	0.0087	0.1151	0.0987	0.4277	0.6464	0.3629		0.0784	0.0667	0.2349	0.5447	1.0917	0.4416	0.1648	0.571	0.0116	0.00458	0.00738
Nitrogen Dioxide	TM12	9	24	26	89	31	2	0.0021	0.0091	0.1172	0.1005	0.4391	0.6654	0.3726		0.0806	0.0685	0.2412	0.5593	1.1209	0.4534	0.1693	0.5862	0.0122	0.0021	0.00339
Nitrogen Dioxide	TM12	10	1	23	74	31	5	0.0025	0.0109	0.1258	0.1079	0.4871	0.7451	0.4133		0.0899	0.0763	0.2677	0.6204	1.2433	0.5029	0.1877	0.6503	0.015	0.00418	0.00674
Nitrogen Dioxide	TM12	10	2	23	74	31	4	0.0026	0.0112	0.1272	0.1092	0.4952	0.7592	0.4202		0.0915	0.0776	0.2722	0.6307	1.264	0.5113	0.1909	0.6611	0.0156	0.00475	0.00766
Nitrogen Dioxide	TM12	10	3	23	74	31	4	0.0026	0.0112	0.1272	0.1092	0.4952	0.7592	0.4202		0.0915	0.0776	0.2722	0.6307	1.264	0.5113	0.1909	0.6611	0.0156	0.0069	0.01113
Nitrogen Dioxide	TM12	10	4	23	75	31	4	0.0026	0.0112	0.1269	0.1089	0.4935	0.7564	0.4188		0.0911	0.0774	0.2712	0.6286	1.2597	0.5096	0.1902	0.6588	0.0155	0.00475	0.00766
Nitrogen Dioxide	TM12	10	5	23	74	31	4	0.0026	0.0112	0.1272	0.1092	0.4952	0.7592	0.4202		0.0915	0.0776	0.2722	0.6307	1.264	0.5113	0.1909	0.6611	0.0156	0.00475	0.00766
Nitrogen Dioxide	TM12	10	6	23	75	31	7	0.0026	0.0112	0.1269	0.1089	0.4935	0.7564	0.4188		0.0911	0.0774	0.2712	0.6286	1.2597	0.5096	0.1902	0.6588	0.0155	0.1069	0.17242
Nitrogen Dioxide	TM12	10	7	23	75	31	10	0.0026	0.0112	0.1269	0.1089	0.4935	0.7564	0.4188		0.0911	0.0774	0.2712	0.6286	1.2597	0.5096	0.1902	0.6588	0.0155	0.10047	0.16205
Nitrogen Dioxide	TM12	10	8	23	72	31	35	0.0026	0.0114	0.1278	0.1097	0.4986	0.7648	0.4231		0.0921	0.0782	0.274	0.635	1.2726	0.5148	0.1922	0.6656	0.0158	0.20631	0.33276
Nitrogen Dioxide	TM12	10	9	24	69	31	88	0.0026	0.0113	0.1274	0.1093	0.496	0.7599	0.4209		0.0916	0.0778	0.2726	0.6317	1.2661	0.5121	0.1912	0.6622	0.0156	0.29662	0.47842
Nitrogen Dioxide	TM12	10	10	25	64	31	94	0.0026	0.0114	0.1277	0.1095	0.4976	0.7624	0.4222		0.0919	0.078	0.2734	0.6337	1.27	0.5137	0.1918	0.6642	0.0157	0.30465	0.49138
Nitrogen Dioxide	TM12	10	11	26	61	31	76	0.0026	0.0114	0.1274	0.1093	0.4958	0.7595	0.4207		0.0916	0.0777	0.2725	0.6315	1.2655	0.5119	0.1911	0.6619	0.0156	0.24994	0.40313
Nitrogen Dioxide	TM12	10	12	27	60	31	72	0.0026	0.0113	0.1265	0.1084	0.4901	0.7501	0.4159		0.0905	0.0768	0.2694	0.6242	1.251	0.5061	0.1889	0.6543	0.0155	0.24459	0.3945
Nitrogen Dioxide	TM12	10	13	27	59	31	67	0.0026	0.0114	0.1268	0.1087	0.4923	0.7537	0.4177		0.0909	0.0771	0.2705	0.627	1.2565	0.5083	0.1897	0.6572	0.0154	0.24671	0.39791
Nitrogen Dioxide	TM12	10	14	27	59	31	64	0.0026	0.0114	0.1268	0.1087	0.4923	0.7537	0.4177		0.0909	0.0771	0.2705	0.627	1.2565	0.5083	0.1897	0.6572	0.0154	0.24518	0.39545
Nitrogen Dioxide	TM12	10	15	27	60	31	74	0.0026	0.0113	0.1265	0.1084	0.4901	0.7501	0.4159		0.0905	0.0768	0.2694	0.6242	1.251	0.5061	0.1889	0.6543	0.0152	0.24815	0.40024
Nitrogen Dioxide	TM12	10	16	27	62	31	72	0.0026	0.0111	0.1257	0.1077	0.4858	0.7429	0.4122		0.0896	0.0761	0.267	0.6187	1.24	0.5016	0.1872	0.6485	0.015	0.24243	0.39102
Nitrogen Dioxide	TM12	10	17	26	65	31	65	0.0026	0.0111	0.126	0.108	0.4877	0.7461	0.4138		0.09	0.0764	0.2681	0.6212	1.2449	0.5036	0.188	0.6511	0.0151	0.22857	0.36866
Nitrogen Dioxide	TM12	10	18	25	67	31	74	0.0026	0.0112	0.1267	0.1086	0.4919	0.7529	0.4173		0.0908	0.0771	0.2703	0.6264	1.2554	0.5078	0.1893	0.6566	0.0153	0.24896	0.40155
Nitrogen Dioxide	TM12	10	19	25	69	31	74	0.0025	0.011	0.126	0.1081	0.4881	0.7466	0.4141		0.09	0.0764	0.2682	0.6216	1.2457	0.5039	0.1881	0.6513	0.0151	0.24704	0.39844
Nitrogen Dioxide	TM12	10	20	25	71	31	57	0.0025	0.0109	0.1253	0.1075	0.4842	0.7403	0.4109		0.0893	0.0758	0.2661	0.6167	1.236	0.5	0.1866	0.6464	0.0149	0.20158	0.32513
Nitrogen Dioxide	TM12	10	21	24	71	31	45	0.0026	0.0111	0.1268	0.1087	0.4925	0.754	0.4179		0.0909	0.0772	0.2706	0.6272	1.257	0.5085	0.1898	0.6574	0.0154	0.19293	0.31118
Nitrogen Dioxide	TM12	10	22	24	71	31	17	0.0026	0.0111	0.1268	0.1087	0.4925	0.754	0.4179		0.0909	0.0772	0.2706	0.6272	1.257	0.5085	0.1898	0.6574	0.0154	0.03003	0.04843
Nitrogen Dioxide	TM12	10	23	24	72	31	13	0.0026	0.0111	0.1264	0.1085	0.4907	0.751	0.4164		0.0906	0.0769	0.2697	0.6249	1.2524	0.5066	0.1891	0.6551	0.0153	0.00587	0.00947
Nitrogen Dioxide	TM12	10	24	24	72	31	2	0.0026	0.0111	0.1264	0.1085	0.4907	0.751	0.4164		0.0906	0.0769	0.2697	0.6249	1.2524	0.5066	0.1891	0.6551	0.0153	0.0026	0.00419
Nitrogen Dioxide	TM12	11	1	21	75	31	5	0.0027	0.0117	0.1297	0.1113	0.5082	0.7833	0.4316		0.0942	0.0799	0.2796	0.6479	1.2984	0.5252	0.1961	0.6791	0.0167	0.0045	0.00726
Nitrogen Dioxide	TM12	11	2	21	74	31	4	0.0027	0.0118	0.1299	0.1115	0.5102	0.7858	0.4329		0.0944	0.0801	0.2804	0.6497	1.3021	0.5267	0.1966	0.681	0.0168	0.00498	0.00802
Nitrogen Dioxide	TM12	11	3	21	74	31	4	0.0027	0.0118	0.1299	0.1115	0.5102	0.7858	0.4329		0.0944	0.0801	0.2804	0.6497	1.3021	0.5267	0.1966	0.681	0.0168	0.00725	0.01169
Nitrogen Dioxide	TM12	11	4	21	74	31	4	0.0027	0.0118	0.1299	0.1115	0.5102	0.7858	0.4329		0.0944	0.0801	0.2804	0.6497	1.3021	0.5267	0.1966	0.681	0.0168	0.00498	0.00802
Nitrogen Dioxide	TM12	11	5	21	74	31	4	0.0027	0.0118	0.1299	0.1115	0.5102	0.7858	0.4329		0.0944	0.0801	0.2804	0.6497	1.3021	0.5267	0.1966	0.681	0.0168	0.00498	0.00802
Nitrogen Dioxide	TM12	11	6	21	73	31	7	0.0027	0.0119	0.1302	0.1117	0.5116	0.7882	0.4341		0.0947	0.0804	0.2812	0.6516	1.3059	0.5283	0.1972	0.683	0.0169	0.1105	0.17823
Nitrogen Dioxide	TM12	11	7	21	73	31	10	0.0027	0.0119	0.1302	0.1117	0.5116	0.7882	0.4341		0.0947	0.0804	0.2812	0.6516	1.3059	0.5283	0.1972	0.683	0.0169	0.10566	0.16719
Nitrogen Dioxide	TM12	11	8	21	70	31	35	0.0028	0.012	0.131	0.1124	0.5161	0.7956	0.4379		0.0956	0.0811	0.2837	0.6573	1.3172	0.5328	0.1989	0.6889	0.0172	0.21351	0.34437
Nitrogen Dioxide	TM12	11	9	22	66	31	88	0.0028	0.012	0.1309	0.1123	0.5155	0.7938	0.4374		0.0954	0.081	0.2834	0.6565	1.3157	0.5322	0.1987	0.6881	0.017	0.3084	0.49742
Nitrogen Dioxide	TM12	11	10	23	61	31	94	0.0028	0.0121	0.1312	0.1126	0.517	0.7955	0.4387		0.0957	0.0812	0.2842	0.6585	1.3196	0.5338	0.1993	0.6902	0.0169	0.31668	0.51077
Nitrogen Dioxide	TM12	11	11	25	57	31	76	0.0027	0.0119	0.1301	0.1116	0.5109	0.7945	0.4335		0.0948	0.0801	0.2808	0.6506	1.304	0.5275	0.1969	0.682	0.0165	0.25751	0.41534
Nitrogen Dioxide	TM12	11	12	25	56	31	72	0.0028	0.012	0.1305	0.1119	0.5128	0.7877	0.4351		0.0948	0.0804	0.2818	0.6531	1.3088	0.5294	0.1976	0.6845	0.0166	0.25579	0.41256
Nitrogen Dioxide	TM12	11	13	25	56	31	67	0.0028	0.012	0.1305	0.1119	0.5128	0.7877	0.4351		0.0948	0.0804	0.2818	0.6531	1.3088	0.5294	0.1976	0.6845	0.0166	0.25693	0.41441
Nitrogen Diox

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:

(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.

(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Dioxide	TM13	1	24	17	76	36	4	0.0028	0.0124	0.1246	0.1058	0.4956	0.7601	0.4048		0.09	0.0755	0.266	0.6159	1.2496	0.4939	0.1869	0.6384	0.0183	0.1775	0.28629
Nitrogen Dioxide	TM13	2	1	17	78	36	7	0.0028	0.0123	0.1242	0.1055	0.4935	0.7566	0.4031		0.0896	0.0752	0.2648	0.6133	1.2442	0.4918	0.1861	0.6356	0.0181	0.02286	0.03687
Nitrogen Dioxide	TM13	2	2	17	80	36	4	0.0028	0.0122	0.1238	0.1051	0.4914	0.7531	0.4013		0.0892	0.0749	0.2637	0.6107	1.2389	0.4897	0.1853	0.6329	0.018	0.0354	0.0571
Nitrogen Dioxide	TM13	2	3	17	81	36	2	0.0028	0.0122	0.1237	0.105	0.4903	0.7513	0.4005		0.089	0.0747	0.2631	0.6094	1.2363	0.4886	0.1849	0.6316	0.0179	0.0073	0.0121
Nitrogen Dioxide	TM13	2	4	17	82	36	2	0.0028	0.0121	0.1235	0.1048	0.4893	0.7496	0.3996		0.0888	0.0745	0.2626	0.6081	1.2336	0.4876	0.1845	0.6302	0.0179	0.06315	0.10185
Nitrogen Dioxide	TM13	2	5	16	83	36	0	0.0029	0.0125	0.1244	0.1055	0.4938	0.758	0.4034		0.0897	0.0753	0.265	0.6137	1.2451	0.4921	0.1862	0.6361	0.0183	0	0
Nitrogen Dioxide	TM13	2	6	16	83	36	4	0.0029	0.0125	0.1244	0.1055	0.4938	0.758	0.4034		0.0897	0.0753	0.265	0.6137	1.2451	0.4921	0.1862	0.6361	0.0183	0.03328	0.05367
Nitrogen Dioxide	TM13	2	7	16	83	34	31	0.0029	0.0129	0.1279	0.109	0.5078	0.7831	0.4208		0.0931	0.0784	0.2751	0.637	1.2863	0.5128	0.1931	0.6629	0.0185	0.15564	0.25104
Nitrogen Dioxide	TM13	2	8	17	81	33	70	0.0029	0.0127	0.1291	0.1102	0.5115	0.7895	0.4271		0.0941	0.0795	0.2784	0.6449	1.299	0.5203	0.1953	0.6726	0.0182	0.21835	0.35218
Nitrogen Dioxide	TM13	2	9	18	77	33	169	0.0028	0.0124	0.1288	0.11	0.5101	0.7843	0.426		0.0938	0.0792	0.2777	0.6431	1.2955	0.5189	0.1948	0.6708	0.018	0.32216	0.51961
Nitrogen Dioxide	TM13	2	10	19	73	33	184	0.0028	0.0122	0.1285	0.1098	0.509	0.7835	0.425		0.0936	0.079	0.277	0.6417	1.2926	0.5177	0.1944	0.6693	0.0178	0.32555	0.52508
Nitrogen Dioxide	TM13	2	11	20	70	33	118	0.0027	0.0119	0.1281	0.1095	0.5068	0.7791	0.4232		0.0931	0.0786	0.2758	0.639	1.2871	0.5155	0.1936	0.6665	0.0175	0.31827	0.51333
Nitrogen Dioxide	TM13	2	12	20	68	33	103	0.0028	0.012	0.1286	0.1099	0.5095	0.7835	0.4255		0.0936	0.079	0.2773	0.6424	1.2939	0.5183	0.1946	0.67	0.0177	0.31219	0.50354
Nitrogen Dioxide	TM13	2	13	21	65	33	102	0.0028	0.012	0.1282	0.1096	0.5077	0.7796	0.4239		0.0932	0.0787	0.2763	0.6401	1.2893	0.5164	0.1939	0.6676	0.0174	0.3301	0.53241
Nitrogen Dioxide	TM13	2	14	21	65	33	97	0.0028	0.012	0.1282	0.1096	0.5077	0.7796	0.4239		0.0932	0.0787	0.2763	0.6401	1.2893	0.5164	0.1939	0.6676	0.0174	0.32702	0.52745
Nitrogen Dioxide	TM13	2	15	21	66	33	112	0.0027	0.0119	0.128	0.1094	0.5063	0.7773	0.4227		0.0929	0.0784	0.2755	0.6383	1.2856	0.515	0.1933	0.6657	0.0173	0.32798	0.529
Nitrogen Dioxide	TM13	2	16	20	68	33	109	0.0028	0.012	0.1286	0.1099	0.5095	0.7835	0.4255		0.0936	0.079	0.2773	0.6424	1.2939	0.5183	0.1946	0.67	0.0177	0.32828	0.52949
Nitrogen Dioxide	TM13	2	17	20	70	32	109	0.0028	0.0121	0.1301	0.1114	0.5145	0.7928	0.433		0.0949	0.0803	0.2814	0.6519	1.3098	0.5272	0.1974	0.6816	0.0176	0.33265	0.53653
Nitrogen Dioxide	TM13	2	18	19	74	32	110	0.0028	0.0123	0.1303	0.1115	0.5154	0.7953	0.4338		0.0952	0.0805	0.2819	0.6531	1.3122	0.5281	0.1977	0.6828	0.0178	0.33045	0.53298
Nitrogen Dioxide	TM13	2	19	18	76	32	112	0.0029	0.0126	0.131	0.1121	0.5191	0.8022	0.4368		0.0959	0.0811	0.2839	0.6577	1.3214	0.5318	0.1991	0.6876	0.0182	0.32292	0.52083
Nitrogen Dioxide	TM13	2	20	18	78	32	64	0.0028	0.0124	0.1286	0.1098	0.509	0.7843	0.425		0.0936	0.079	0.277	0.6417	1.2925	0.5177	0.1944	0.6693	0.0179	0.14936	0.2409
Nitrogen Dioxide	TM13	2	21	18	78	33	35	0.0028	0.0124	0.1286	0.1098	0.509	0.7843	0.425		0.0936	0.079	0.277	0.6417	1.2925	0.5177	0.1944	0.6693	0.0179	0.17696	0.28542
Nitrogen Dioxide	TM13	2	22	18	78	33	16	0.0028	0.0124	0.1286	0.1098	0.509	0.7843	0.425		0.0936	0.079	0.277	0.6417	1.2925	0.5177	0.1944	0.6693	0.0179	0.18007	0.29043
Nitrogen Dioxide	TM13	2	23	18	78	33	13	0.0028	0.0124	0.1286	0.1098	0.509	0.7843	0.425		0.0936	0.079	0.277	0.6417	1.2925	0.5177	0.1944	0.6693	0.0179	0.07196	0.11607
Nitrogen Dioxide	TM13	3	24	18	78	36	4	0.0027	0.0119	0.1231	0.1046	0.4879	0.7464	0.3985		0.0885	0.0743	0.2618	0.6063	1.2301	0.4862	0.184	0.6284	0.0176	0.17495	0.28218
Nitrogen Dioxide	TM13	3	1	21	86	36	7	0.0024	0.0104	0.1176	0.1	0.4578	0.6945	0.3741		0.0827	0.0694	0.2456	0.569	1.1544	0.4563	0.1727	0.5898	0.0153	0.02114	0.0341
Nitrogen Dioxide	TM13	3	2	20	87	36	4	0.0025	0.0107	0.1187	0.101	0.464	0.7053	0.3797		0.0839	0.0704	0.2489	0.5766	1.1698	0.4624	0.175	0.5976	0.0158	0.03419	0.05419
Nitrogen Dioxide	TM13	3	3	20	87	36	2	0.0025	0.0107	0.1187	0.101	0.464	0.7053	0.3797		0.0839	0.0704	0.2489	0.5766	1.1698	0.4624	0.175	0.5976	0.0158	0.0066	0.01065
Nitrogen Dioxide	TM13	3	4	20	87	36	2	0.0025	0.0107	0.1187	0.101	0.464	0.7053	0.3797		0.0839	0.0704	0.2489	0.5766	1.1698	0.4624	0.175	0.5976	0.0158	0.0606	0.09774
Nitrogen Dioxide	TM13	3	5	20	87	36	0	0.0025	0.0107	0.1187	0.101	0.464	0.7053	0.3797		0.0839	0.0704	0.2489	0.5766	1.1698	0.4624	0.175	0.5976	0.0158	0	0
Nitrogen Dioxide	TM13	3	6	20	87	34	4	0.0025	0.0107	0.1187	0.101	0.464	0.7053	0.3797		0.0839	0.0704	0.2489	0.5766	1.1698	0.4624	0.175	0.5976	0.0158	0.03155	0.05089
Nitrogen Dioxide	TM13	3	7	20	87	34	31	0.0025	0.011	0.1222	0.1042	0.4771	0.7286	0.3953		0.087	0.0733	0.2583	0.5985	1.2085	0.4818	0.1814	0.6229	0.016	0.02953	0.04759
Nitrogen Dioxide	TM13	3	8	20	86	33	70	0.0026	0.0112	0.1242	0.1062	0.4854	0.7434	0.4053		0.089	0.0751	0.2641	0.6119	1.2326	0.4937	0.1854	0.6383	0.0162	0.20711	0.33405
Nitrogen Dioxide	TM13	3	9	21	83	33	169	0.0025	0.011	0.1236	0.1057	0.482	0.7369	0.4024		0.0883	0.0745	0.2622	0.6076	1.2239	0.4902	0.184	0.6337	0.0158	0.30561	0.48969
Nitrogen Dioxide	TM13	3	10	22	79	33	184	0.0025	0.0109	0.1233	0.1054	0.4802	0.7331	0.4009		0.0879	0.0742	0.2612	0.6053	1.2193	0.4884	0.1834	0.6314	0.0156	0.30632	0.49407
Nitrogen Dioxide	TM13	3	11	22	78	33	118	0.0025	0.011	0.1236	0.1056	0.4817	0.7356	0.4022		0.0882	0.0745	0.2621	0.6073	1.2232	0.4899	0.1839	0.6334	0.0157	0.30188	0.4869
Nitrogen Dioxide	TM13	3	12	23	77	33	103	0.0025	0.0107	0.1224	0.1046	0.4755	0.7246	0.397		0.0869	0.0734	0.2587	0.5994	1.2074	0.4836	0.1816	0.6252	0.0152	0.29058	0.46868
Nitrogen Dioxide	TM13	3	13	23	77	33	102	0.0025	0.0107	0.1224	0.1046	0.4755	0.7246	0.397		0.0869	0.0734	0.2587	0.5994	1.2074	0.4836	0.1816	0.6252	0.0152	0.30841	0.49743
Nitrogen Dioxide	TM13	3	14	23	89	33	97	0.0025	0.0107	0.1224	0.1046	0.4755	0.7246	0.397		0.0869	0.0734	0.2587	0.5994	1.2074	0.4836	0.1816	0.6252	0.0152	0.3055	0.49274
Nitrogen Dioxide	TM13	3	15	23	76	33	112	0.0025	0.0108	0.1227	0.1049	0.4771	0.7273	0.3984		0.0872	0.0737	0.2595	0.6015	1.2115	0.4853	0.1822	0.6273	0.0153	0.3084	0.49742
Nitrogen Dioxide	TM13	3	16	23	77	33	109	0.0025	0.0107	0.1224	0.1046	0.4755	0.7246	0.397		0.0869	0.0734	0.2587	0.5994	1.2074	0.4836	0.1816	0.6252	0.0152	0.30546	0.49268
Nitrogen Dioxide	TM13	3	17	22	79	32	109	0.0026	0.0111	0.1252	0.1072	0.4874	0.7461	0.4102		0.0896	0.0759	0.2665	0.6176	1.2409	0.4994	0.187	0.6457	0.0157	0.3145	0.50726
Nitrogen Dioxide	TM13	3	18	22	82	32	110	0.0025	0.0109	0.1244	0.1065	0.4826	0.7384	0.4063		0.0887	0.0751	0.264	0.6117	1.2291	0.4947	0.1852	0.6395	0.0154	0.30863	0.49779
Nitrogen Dioxide	TM13	3	19	21	84	32	112	0.0026	0.0111	0.1253	0.1073	0.4878	0.7475	0.4105		0.0897	0.076	0.2667	0.6188	1.2438	0.4998	0.1858	0.6462	0.0158	0.30267	0.48819
Nitrogen Dioxide	TM13	3	20	21	85	33	64	0.0025	0.0109	0.1231	0.1052	0.4791	0.7321	0.4001		0.0877	0.0741	0.2607	0.604	1.2166	0.4873	0.183	0.63	0.0156	0.14066	0.22688
Nitrogen Dioxide	TM13	3	21	21	86	33	35	0.0025	0.0108	0.1228	0.105	0.4777	0.7297	0.3989		0.0874	0.0738	0.2599	0.6022	1.213	0.4859	0.1824	0.6281	0.0156	0.16582	0.26745
Nitrogen Dioxide	TM13	3	23	21	86	33	16	0.0025	0.0108	0.1228	0.105	0.4777	0.7297	0.3989		0.0874	0.0738	0.2599	0.6022	1.213	0.4859	0.1824	0.6281	0.0156	0.16905	0.27266
Nitrogen Dioxide	TM13	3	23	21	85	33	13	0.0025	0.0109	0.1231	0.1052	0.4791	0.7321	0.4001		0.0877	0.0741	0.2607	0.604	1.2166	0.4873	0.183	0.63	0.0156	0.06792	0.10954
Nitrogen Dioxide	TM13	3	24	21	86	36	4	0.0024	0.0104	0.1176	0.1	0.4578	0.6945	0.3741		0.0827	0.0694	0.2456	0.569	1.1544	0.4563	0.1727	0.5898	0.0153	0.16505	0.26621
Nitrogen Dioxide	TM13	4	1	20	85	36	7	0.0025	0.0109	0.1197	0.1017	0.4691	0.7138	0.3832		0.0849	0.0712	0.2517	0.583	1.1828	0.4675	0.1769	0.6043	0.0161	0.02164	0.03491
Nitrogen Dioxide	TM13	4	2	20	85	36	4	0.0025	0.0108	0.1192	0.1013	0.4665	0.7096	0.3811		0.0844	0.0708	0.2503	0.5798	1.1763	0.4649	0.1759	0.601	0.016	0.03375	0.05444
Nitrogen Dioxide	TM13	4	3	20	84	36	2	0.0025	0.0108	0.1194	0.1015	0.4678	0.7117	0.3821		0.0846	0.071	0.251	0.5814	1.1796	0.4662	0.1764	0.6026	0.0161	0.00665	0.01073
Nitrogen Dioxide	TM13	4	4	20	85	36	2	0.0025	0.0108	0.1192	0.1013	0.4665	0.7096	0.3811		0.0844	0.0708	0.2503	0.5798	1.1763	0.4649	0.1759	0.601	0.016	0.06085	0.09815
Nitrogen Dioxide	TM13	4	5	19	84	36	0	0.0026	0.0112	0.1207	0.1026	0.4747	0.7237	0.3877		0.086	0.0721	0.2547	0.5899	1.1968	0.473	0.179	0.6114	0.0166	0	0
Nitrogen Dioxide	TM13	4	6	19	84	36	4	0.0026	0.0112	0.1207	0.1026	0.4747	0.7237	0.3877		0.086	0.0721	0.2547	0.5899	1.1968	0.473	0.179	0.6114	0.0166	0.03212	0.05181
Nitrogen Dioxide	TM13	4	7	20	84	34	31	0.0026	0.0111	0.1229	0.1048	0.481	0.7352	0.3986		0.0878	0.074	0.2605	0.6035	1.2186	0.4858	0.1829	0.628	0.0162	0.14747	0.23786
Nitrogen Dioxide	TM13	4	8	21	79	33	70	0.0026	0.0112	0.1246	0.1065	0.4877	0.7464	0.4072		0.0894	0.0755	0.2654	0.6148	1.2384	0.496	0.1862	0.6413	0.0162	0.20799	0.33547
Nitrogen Dioxide	TM13	4	9	22	73	33	169	0.0026	0.0113	0.1249	0.1068	0.4893	0.7483	0.4086		0.0896	0.0757	0.2662	0.6169	1.2426	0.4977	0.1869	0.6434	0.0161	0.3082	0.49709
Nitrogen Dioxide	TM13	4	10	23	69	33	184	0.0026	0.0112	0.1248	0.1067	0.4885	0.7461	0.4079		0.0894	0.0755	0.2658	0.6158	1.2404	0.4968	0.1865	0.6423	0.0159	0.31161	0.50259
Nitrogen Dioxide	TM13	4	11	23	68	33	118	0.0026	0.0113	0.1251	0.1069	0.4901	0.7488	0.4092		0.0897	0.0758	0.2667	0.6179	1.2446	0.4985	0.1872	0.6444	0.016	0.30712	0.49536
Nitrogen Dioxide	TM13	4	12	24	66	33	103	0.0026	0.0112	0.1244	0.1063	0.4863	0.7419	0.4061		0.089	0.0751	0.2646	0.6131	1.235	0.4947	0.1857	0.6395	0.0157	0.29724	0.47942
Nitrogen Dioxide	TM13	4	13	24	65	33	102	0.0026	0.0112	0.1247	0.1066	0.4881	0.7448	0.4075		0.0893	0.0754	0.2655	0.6153	1.2394	0.4964	0.1864	0.6418	0.0158	0.31664	0.51071
Nitrogen Dioxide	TM13	4	14	24	66	33	97	0.0026	0.0112	0.1244	0.1063	0.4863	0.7419	0.4061		0.089	0.0751	0.2646	0.6131	1.235	0.4947	0.1857	0.6395	0.0157	0.31254	0.50409
Nitrogen Dioxide	TM13	4	15	24	66	33	112	0.0026	0.0112	0.1244	0.1063	0.4863	0.7419	0.4061		0.089	0.0751	0.2646	0.6131	1.235	0.4947	0.1857	0.6395	0.0157	0.31438	0.50706
Nitrogen Dioxide	TM13	4	16	24	67	33	109	0.0026	0.0111	0.1241	0.1061	0.4846	0.739	0.4048		0.0887	0.0749	0.2636	0.6109	1.2306	0.4929	0.1851	0.6372	0.0156	0.31133	0.50215
Nitrogen Dioxide	TM13	4	17	23	69	32	109	0.0026	0.0114	0.1267	0.1085	0.4959	0.7593	0.4173		0.0912	0.0772	0.2711	0.6283	1.2624	0.5081	0.1902	0.6569	0.016	0.31989	0.51595
Nitrogen Dioxide	TM13	4	18	22	74	32	110	0.0026	0.0114	0.1266	0.1084	0.4952	0.759	0.4167		0.0911	0.0771	0.2708	0.6274	1.2606	0.5074	0.19	0.6559	0.0161	0.31671	0.51083
Nitrogen Dioxide	TM13	4	19	22	76	32	112	0.0026	0.0112	0.126	0.1079	0.4921	0.7538	0.4141		0.0905	0.0766	0.2691	0.6235	1.2527	0.5042	0.1888	0.6518	0.0159	0.30521	0.49227
Nitrogen Dioxide	TM13	4	20	21	79	33	64	0.0026	0.0112	0.1246	0.1065	0.4877	0.7464	0.4072		0.0894	0.0755	0.2654	0.6148	1.2384	0.496	0.1862	0.6413	0.0162	0.1431	0.2308
Nitrogen Dioxide	TM13	4	21	21	80	33	35	0.0026	0.0112	0.1244	0.1063	0.4862	0.744	0.406		0.0891	0.0752	0.2646	0.613	1.2348	0.4946	0.1857	0.6394	0.0161	0.1688	0.27226
Nitrogen Dioxide	TM13	4	22	21	81	33	16	0.0026	0.0111	0.1241	0.1061	0.4848	0.7416	0.4048		0.0888	0.0751	0.2638	0.6112	1.2312	0.4931	0.1851	0.6375	0.016	0.17151	0.27663
Nitrogen Dioxide	TM13	4	23	21	81	33	13	0.0025	0.0111	0.1239	0.1059	0.4834	0.7392	0.4036		0.0885	0.0748	0.2631	0.6094	1.2275	0.4917	0.1845	0.6356	0.0159	0.10848	0.17505
Nitrogen Dioxide	TM13	4	24	20	82	36	4	0.0025	0.0109	0.1199	0.1019	0.4704	0.7159	0.3842		0.0851	0.0714	0.2524	0.5846	1.186	0.4688	0.1774	0.6059	0.0162	0.16918	0.27286
Nitrogen Dioxide	TM13	5	1	26	91	36	7	0.0019	0.0084	0.108	0.0919	0.4045	0.605	0.3304		0.0725	0.061	0.2168	0.5027	1.0199	0.4031	0.1526	0.521	0.0116	0.01891	0.03051
Nitrogen Dioxide	TM13	5	2	25	92	36	4	0.002	0.0087	0.1096	0.0932	0.4131	0.619	0.3374		0.0741	0.0623	0.2214	0.5134	1.0415	0.4116	0.1558	0.5321	0.0122	0.03058	0.04931
Nitrogen Dioxide	TM13	5	3	25	92	36	2	0.002	0.0087	0.1096	0.0932	0.4131	0.619	0.3374		0.0741	0.0623	0.2214	0.5134	1.0415	0.4116	0.1558	0.5321	0.0122	0.00535	0.00863
Nitrogen Dioxide	TM13	5	4	25	91	36	2	0.002	0.0088	0.1099	0.0934	0.4148	0.6219	0.3388		0.0744	0.0626	0.2224	0.5156	1.0459	0.4134	0.1563	0.5343	0.0123	0.09034	0.14572
Nitrogen Dioxide	TM13	5	5	25	92	36	0	0.002	0.0087	0.1096	0.0932	0.4131	0.619	0.3374		0.0741	0.0623	0.2214	0.5134	1.0415	0.4116	0.1558	0.5321	0.0122	0	0
Nitrogen Dioxide	TM13	5	6	25	93	36	4	0.002	0.0086	0.1092	0.0929	0.4113	0.6163	0.3359		0.0738	0.062	0.2205	0.5112	1.037	0.4099	0.1551	0.5298	0.0121	0.0288	0.04645
Nitrogen Dioxide	TM13	5	7	26	91	34	31	0.002	0.0086	0.1112	0.0948	0.4159	0.6249	0.3447		0.0752	0.0635	0.225	0.5218	1.0536	0.4201	0.1581	0.543	0.0118	0.12826	0.20687
Nitrogen Dioxide	TM13	5	8	27	85	33	70	0.002	0.0088	0.1131	0.0966	0.4232	0.6376	0.3534		0.0769	0.065	0.2301	0.5335	1.0747	0.4305	0.1616	0.5565	0.0119	0.1809	0.29177
Nitrogen Dioxide	TM13	5	9	28	80	33	169	0.0021	0.0089	0.1131	0.0966	0.4231	0.6375	0.3533		0.0769	0.065	0.2301	0.5335	1.0746	0.4304	0.1616	0.5564	0.0119	0.26568	0.42852
Nitrogen Dioxide	TM13	5	10	28	83	33	184	0.0021	0.0091	0.1139	0.0973	0.4276	0.6448	0.3577		0.0777	0.0657	0.2325	0.5387	1.0858	0.4349	0.1633	0.5623	0.0122	0.00505	0.00815
Nitrogen Dioxide	TM13	5	11	29	77	33	118	0.0021	0.0089	0.1125	0.096	0.4192	0.631	0.35		0.0761	0.0644	0.2279	0.5285	1.0645	0.4264	0.1601	0.5512	0.0117	0.26183	0.4223
Nitrogen Dioxide	TM13	5	12	29	75	33	103	0.0021	0.0091	0.1133	0.0967	0.4239	0.6387	0.354		0.077	0.0652	0.2305	0.5344	1.0765	0.4312	0.1619	0.5574	0.012	0.25853	0.41698
Nitrogen Dioxide	TM13	5	13	29	74	33	102	0.0021	0.0092	0.1137	0.0971	0.4263	0.6426	0.3559		0.0775	0.0655	0.2318	0.5374	1.0825	0.4336	0.1628	0.5605	0.0121	0.27575	0.44476
Nitrogen Dioxide	TM13	5	14	29	75	33	97	0.0021	0.0091	0.1133	0.0967	0.4239	0.6387	0.354		0.077	0.0652	0.2305	0.5344	1.0765	0.4312	0.1619	0.5574	0.012	0.27157	0.43801
Nitrogen Dioxide	TM13	5	15	29	75	33	112	0.0021	0.0091	0.1133	0.0967	0.4239	0.6387	0.354		0.077	0.0652	0.2305	0.5344	1.0765	0.4312	0.1619	0.5574	0.012	0.27322	0.44069
Nitrogen Dioxide	TM13	5	16	29	77	33	109	0.0021	0.0089	0.1125	0.096	0.4192	0.631	0.35		0.0761	0.0644	0.2279	0.5285	1.0645	0.4264	0.1601	0.5512	0.0117	0.26855	0.43314
Nitrogen Dioxide	TM13	5	17	28	78	32	109	0.0021	0.0092	0.1157	0.099	0.4341	0.6562	0.3653		0.0793	0.0672	0.2372	0.55	1.105	0.4447	0.1665	0.575	0.0123	0.27915	0.45025
Nitrogen Dioxide	TM13	5	18	28	81	32	110	0.0021	0.009	0.1145	0.0979	0.4273	0.645	0.3596		0.078	0.0661	0.2335	0.5414	1.0878	0.4378	0.1639	0.566	0.0119	0.27224	0.4391
Nitrogen Dioxide	TM13	5	19	27	84	32	112	0.0021

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:

(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.

(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Dioxide	TM13	8	5	26	93	36	0	0.0019	0.0082	0.1074	0.0913	0.4007	0.5988	0.3273		0.0718	0.0604	0.2148	0.4981	1.0104	0.3994	0.1511	0.5162	0.0114	0	0
Nitrogen Dioxide	TM13	8	6	26	94	36	4	0.0019	0.0082	0.107	0.091	0.3989	0.5957	0.3258		0.0714	0.0601	0.2138	0.4957	1.0057	0.3975	0.1504	0.5138	0.0113	0.02818	0.04544
Nitrogen Dioxide	TM13	8	7	26	93	34	31	0.002	0.0084	0.1105	0.0942	0.412	0.6186	0.3415		0.0745	0.0629	0.2229	0.5169	1.0438	0.4162	0.1567	0.538	0.0115	0.12713	0.20504
Nitrogen Dioxide	TM13	8	8	27	87	33	70	0.002	0.0087	0.1123	0.096	0.419	0.6307	0.3499		0.0761	0.0644	0.2278	0.5283	1.0641	0.4262	0.16	0.551	0.0117	0.26898	0.43376
Nitrogen Dioxide	TM13	8	9	29	81	33	169	0.002	0.0085	0.1107	0.0945	0.4098	0.6154	0.3422		0.0743	0.0629	0.2228	0.5166	1.0406	0.4168	0.1563	0.5388	0.0111	0.25717	0.41478
Nitrogen Dioxide	TM13	8	10	30	76	33	184	0.002	0.0087	0.1109	0.0946	0.4105	0.6167	0.3428		0.0745	0.063	0.2232	0.5176	1.0426	0.4176	0.1568	0.5398	0.0112	0.26099	0.42095
Nitrogen Dioxide	TM13	8	11	30	73	33	118	0.0021	0.009	0.1123	0.0958	0.4181	0.6291	0.3491		0.0759	0.0642	0.2273	0.527	1.0616	0.4252	0.1596	0.5497	0.0116	0.26112	0.42117
Nitrogen Dioxide	TM13	8	12	30	73	33	103	0.0021	0.009	0.1123	0.0958	0.4181	0.6291	0.3491		0.0759	0.0642	0.2273	0.527	1.0616	0.4252	0.1596	0.5497	0.0116	0.25493	0.41118
Nitrogen Dioxide	TM13	8	13	30	74	33	102	0.0021	0.0089	0.1119	0.0954	0.4156	0.6249	0.347		0.0754	0.0638	0.2259	0.5239	1.0553	0.4227	0.1587	0.5464	0.0115	0.26871	0.4334
Nitrogen Dioxide	TM13	8	14	30	74	33	97	0.0021	0.0089	0.1119	0.0954	0.4156	0.6249	0.347		0.0754	0.0638	0.2259	0.5239	1.0553	0.4227	0.1587	0.5464	0.0115	0.26612	0.42922
Nitrogen Dioxide	TM13	8	15	30	75	33	112	0.002	0.0088	0.1114	0.095	0.413	0.6208	0.3449		0.0749	0.0634	0.2246	0.5207	1.0489	0.4201	0.1577	0.5431	0.0113	0.26607	0.42914
Nitrogen Dioxide	TM13	8	16	29	77	33	109	0.0021	0.0089	0.1125	0.096	0.4192	0.631	0.35		0.0761	0.0644	0.2279	0.5285	1.0645	0.4264	0.1601	0.5512	0.0117	0.26855	0.43314
Nitrogen Dioxide	TM13	8	17	29	79	32	109	0.002	0.0088	0.1133	0.0969	0.4207	0.6342	0.3541		0.0767	0.0651	0.2299	0.5331	1.0711	0.4311	0.1614	0.5574	0.0115	0.27041	0.43615
Nitrogen Dioxide	TM13	8	18	28	80	32	110	0.0021	0.0091	0.1149	0.0983	0.4296	0.6487	0.3615		0.0784	0.0665	0.2347	0.5443	1.0935	0.4401	0.1648	0.569	0.012	0.27371	0.44146
Nitrogen Dioxide	TM13	8	19	28	82	32	112	0.0021	0.0089	0.1141	0.0976	0.425	0.6413	0.3577		0.0775	0.0658	0.2323	0.5385	1.0821	0.4353	0.1631	0.5631	0.0117	0.26279	0.42385
Nitrogen Dioxide	TM13	8	20	28	84	33	64	0.002	0.0086	0.1115	0.0952	0.4143	0.6228	0.3459		0.0752	0.0636	0.2252	0.5223	1.052	0.4214	0.1582	0.5447	0.0114	0.12225	0.19718
Nitrogen Dioxide	TM13	8	21	27	85	33	35	0.002	0.0088	0.1131	0.0966	0.4232	0.6376	0.3534		0.0769	0.065	0.2301	0.5335	1.0747	0.4305	0.1616	0.5565	0.0119	0.1468	0.23677
Nitrogen Dioxide	TM13	8	22	27	87	33	16	0.002	0.0087	0.1123	0.096	0.419	0.6307	0.3499		0.0761	0.0644	0.2278	0.5283	1.0641	0.4262	0.16	0.551	0.0117	0.14885	0.24008
Nitrogen Dioxide	TM13	8	23	27	88	33	13	0.002	0.0086	0.112	0.0956	0.4169	0.6272	0.3481		0.0757	0.064	0.2267	0.5256	1.0588	0.4241	0.1592	0.5482	0.0115	0.05978	0.09643
Nitrogen Dioxide	TM13	8	24	27	89	36	4	0.0019	0.0082	0.1068	0.0908	0.3976	0.5937	0.3248		0.0712	0.0599	0.2131	0.4942	1.0026	0.3963	0.15	0.5122	0.0112	0.14528	0.23431
Nitrogen Dioxide	TM13	9	1	26	91	36	7	0.0019	0.0082	0.1068	0.0908	0.3976	0.5937	0.3248		0.0712	0.0599	0.2131	0.4942	1.0026	0.3963	0.15	0.5122	0.0112	0.01869	0.03014
Nitrogen Dioxide	TM13	9	2	26	89	36	4	0.002	0.0085	0.1087	0.0924	0.4083	0.6112	0.3335		0.0732	0.0615	0.2189	0.5074	1.0294	0.4069	0.154	0.5259	0.0119	0.0303	0.04887
Nitrogen Dioxide	TM13	9	3	26	91	36	2	0.0019	0.0084	0.108	0.0919	0.4045	0.605	0.3304		0.0725	0.061	0.2168	0.5027	1.0199	0.4031	0.1526	0.521	0.0116	0.00515	0.00831
Nitrogen Dioxide	TM13	9	4	26	92	36	2	0.0019	0.0083	0.1077	0.0916	0.4026	0.6019	0.3289		0.0721	0.0607	0.2158	0.5004	1.0152	0.4012	0.1518	0.5186	0.0115	0.0548	0.08839
Nitrogen Dioxide	TM13	9	5	26	92	36	0	0.0019	0.0083	0.1077	0.0916	0.4026	0.6019	0.3289		0.0721	0.0607	0.2158	0.5004	1.0152	0.4012	0.1518	0.5186	0.0115	0	0
Nitrogen Dioxide	TM13	9	6	26	93	36	4	0.0019	0.0082	0.1074	0.0913	0.4007	0.5988	0.3273		0.0718	0.0604	0.2148	0.4981	1.0104	0.3994	0.1511	0.5162	0.0114	0.02822	0.0456
Nitrogen Dioxide	TM13	9	7	26	93	34	31	0.002	0.0084	0.1105	0.0942	0.412	0.6186	0.3415		0.0745	0.0629	0.2229	0.5169	1.0438	0.4162	0.1567	0.538	0.0115	0.12713	0.20504
Nitrogen Dioxide	TM13	9	8	27	88	33	70	0.002	0.0086	0.112	0.0956	0.4169	0.6272	0.3481		0.0757	0.064	0.2267	0.5256	1.0588	0.4241	0.1592	0.5482	0.0115	0.17829	0.28757
Nitrogen Dioxide	TM13	9	9	28	83	33	169	0.002	0.0087	0.1119	0.0956	0.4165	0.6265	0.3478		0.0756	0.064	0.2264	0.5251	1.0576	0.4236	0.159	0.5477	0.0115	0.26144	0.42168
Nitrogen Dioxide	TM13	9	10	29	78	33	184	0.002	0.0088	0.112	0.0956	0.4168	0.6271	0.3481		0.0757	0.064	0.2266	0.5255	1.0585	0.424	0.1592	0.5481	0.0115	0.26506	0.42751
Nitrogen Dioxide	TM13	9	11	29	76	33	118	0.0021	0.009	0.1129	0.0963	0.4215	0.6349	0.352		0.0766	0.0648	0.2292	0.5314	1.0705	0.4288	0.161	0.5543	0.0118	0.26332	0.42471
Nitrogen Dioxide	TM13	9	12	29	76	33	103	0.0021	0.009	0.1129	0.0963	0.4215	0.6349	0.352		0.0766	0.0648	0.2292	0.5314	1.0705	0.4288	0.161	0.5543	0.0118	0.14463	0.23707
Nitrogen Dioxide	TM13	9	13	30	75	33	102	0.002	0.0088	0.1114	0.095	0.413	0.6208	0.3449		0.0749	0.0634	0.2246	0.5207	1.0489	0.4201	0.1577	0.5431	0.0113	0.26702	0.43068
Nitrogen Dioxide	TM13	9	14	29	75	33	97	0.0021	0.0091	0.1133	0.0967	0.4239	0.6387	0.354		0.077	0.0652	0.2305	0.5344	1.0765	0.4312	0.1619	0.5574	0.012	0.27157	0.43801
Nitrogen Dioxide	TM13	9	15	29	77	33	112	0.0021	0.0089	0.1125	0.096	0.4192	0.631	0.35		0.0761	0.0644	0.2279	0.5285	1.0645	0.4264	0.1601	0.5512	0.0117	0.27013	0.4357
Nitrogen Dioxide	TM13	9	16	29	76	33	109	0.0021	0.009	0.1129	0.0963	0.4215	0.6349	0.352		0.0766	0.0648	0.2292	0.5314	1.0705	0.4288	0.161	0.5543	0.0118	0.27008	0.43562
Nitrogen Dioxide	TM13	9	17	29	78	32	109	0.0021	0.0089	0.1138	0.0973	0.4231	0.6381	0.3561		0.0772	0.0655	0.2312	0.5361	1.0772	0.4336	0.1623	0.5605	0.0116	0.272	0.43871
Nitrogen Dioxide	TM13	9	18	28	81	32	110	0.0021	0.009	0.1145	0.0979	0.4273	0.6445	0.3596		0.078	0.0661	0.2335	0.5414	1.0878	0.4378	0.1639	0.566	0.0119	0.27224	0.4391
Nitrogen Dioxide	TM13	9	19	27	84	32	112	0.0021	0.009	0.1152	0.0986	0.4317	0.6523	0.3633		0.0788	0.0668	0.2359	0.547	1.0991	0.4424	0.1656	0.5719	0.0121	0.26694	0.43055
Nitrogen Dioxide	TM13	9	20	27	86	33	64	0.002	0.0087	0.1127	0.0963	0.4211	0.6341	0.3516		0.0765	0.0647	0.229	0.5309	1.0694	0.4283	0.1608	0.5537	0.0118	0.12414	0.20023
Nitrogen Dioxide	TM13	9	21	27	87	33	35	0.002	0.0087	0.1123	0.096	0.419	0.6307	0.3499		0.0761	0.0644	0.2278	0.5283	1.0641	0.4262	0.16	0.551	0.0117	0.14538	0.23448
Nitrogen Dioxide	TM13	9	22	27	89	33	16	0.002	0.0085	0.1116	0.0953	0.4148	0.6238	0.3464		0.0753	0.0637	0.2255	0.523	1.0535	0.422	0.1584	0.5455	0.0114	0.14742	0.23777
Nitrogen Dioxide	TM13	9	23	27	89	33	13	0.002	0.0085	0.1116	0.0953	0.4148	0.6238	0.3464		0.0753	0.0637	0.2255	0.523	1.0535	0.422	0.1584	0.5455	0.0114	0.05952	0.09599
Nitrogen Dioxide	TM13	9	24	26	89	36	4	0.002	0.0085	0.1087	0.0924	0.4083	0.6112	0.3335		0.0732	0.0615	0.2189	0.5074	1.0294	0.4069	0.154	0.5259	0.0119	0.14876	0.24006
Nitrogen Dioxide	TM13	10	1	24	74	36	7	0.0024	0.0102	0.1167	0.0993	0.4529	0.6843	0.3699		0.0816	0.0686	0.2429	0.5628	1.1418	0.4513	0.1708	0.5833	0.0146	0.02096	0.0338
Nitrogen Dioxide	TM13	10	2	23	74	36	4	0.0024	0.0105	0.1181	0.1004	0.4604	0.6973	0.3761		0.0831	0.0698	0.247	0.5722	1.1608	0.4588	0.1736	0.593	0.0152	0.03335	0.05379
Nitrogen Dioxide	TM13	10	3	23	74	36	2	0.0024	0.0105	0.1181	0.1004	0.4604	0.6973	0.3761		0.0831	0.0698	0.247	0.5722	1.1608	0.4588	0.1736	0.593	0.0152	0.00645	0.0104
Nitrogen Dioxide	TM13	10	4	23	75	36	2	0.0024	0.0105	0.1178	0.1002	0.4588	0.6947	0.3748		0.0828	0.0695	0.2461	0.5703	1.1569	0.4573	0.173	0.591	0.0151	0.0601	0.09694
Nitrogen Dioxide	TM13	10	5	23	74	36	0	0.0024	0.0105	0.1181	0.1004	0.4604	0.6973	0.3761		0.0831	0.0698	0.247	0.5722	1.1608	0.4588	0.1736	0.593	0.0152	0	0
Nitrogen Dioxide	TM13	10	6	23	75	36	4	0.0024	0.0105	0.1178	0.1002	0.4588	0.6947	0.3748		0.0828	0.0695	0.2461	0.5703	1.1569	0.4573	0.173	0.591	0.0151	0.03125	0.0504
Nitrogen Dioxide	TM13	10	7	23	75	34	31	0.0025	0.0107	0.1212	0.1034	0.4718	0.7177	0.391		0.0859	0.0724	0.2554	0.5919	1.1952	0.4765	0.1794	0.616	0.0153	0.14468	0.23335
Nitrogen Dioxide	TM13	10	8	23	72	33	70	0.0025	0.0111	0.1239	0.1059	0.4836	0.738	0.4038		0.0885	0.0747	0.2631	0.6097	1.228	0.4919	0.1847	0.6359	0.0156	0.20619	0.33257
Nitrogen Dioxide	TM13	10	9	24	69	33	169	0.0025	0.011	0.1235	0.1055	0.4811	0.7333	0.4017		0.088	0.0743	0.2617	0.6066	1.2218	0.4894	0.1837	0.6326	0.0154	0.3027	0.48823
Nitrogen Dioxide	TM13	10	10	25	64	33	184	0.0026	0.0111	0.1238	0.1057	0.4826	0.7357	0.403		0.0883	0.0745	0.2626	0.6084	1.2255	0.4909	0.1843	0.6346	0.0155	0.3027	0.48629
Nitrogen Dioxide	TM13	10	11	26	61	33	118	0.0026	0.0115	0.1253	0.1055	0.4809	0.733	0.4016		0.088	0.0745	0.2616	0.6063	1.2213	0.4892	0.1837	0.6324	0.0154	0.3012	0.48581
Nitrogen Dioxide	TM13	10	12	27	60	33	103	0.0025	0.011	0.1226	0.1046	0.4754	0.7238	0.397		0.0869	0.0734	0.2586	0.5993	1.2072	0.4835	0.1815	0.6251	0.0151	0.29049	0.46853
Nitrogen Dioxide	TM13	10	13	27	59	33	102	0.0025	0.011	0.1229	0.105	0.4775	0.7273	0.3987		0.0873	0.0737	0.2598	0.602	1.2125	0.4857	0.1823	0.6279	0.0152	0.30967	0.49946
Nitrogen Dioxide	TM13	10	14	27	59	33	97	0.0025	0.011	0.1229	0.105	0.4775	0.7273	0.3987		0.0873	0.0737	0.2598	0.602	1.2125	0.4857	0.1823	0.6279	0.0152	0.30675	0.49476
Nitrogen Dioxide	TM13	10	15	27	60	33	112	0.0025	0.011	0.1226	0.1046	0.4754	0.7238	0.397		0.0869	0.0734	0.2586	0.5993	1.2072	0.4835	0.1815	0.6251	0.0151	0.3072	0.49548
Nitrogen Dioxide	TM13	10	16	27	62	33	109	0.0025	0.0108	0.1218	0.104	0.4712	0.7169	0.3935		0.0861	0.0727	0.2563	0.5941	1.1966	0.4793	0.18	0.6196	0.0148	0.30261	0.48808
Nitrogen Dioxide	TM13	10	17	26	65	32	109	0.0025	0.0109	0.1224	0.1061	0.4802	0.7297	0.4042		0.0882	0.0746	0.2625	0.6033	1.2225	0.4791	0.1824	0.6283	0.015	0.30961	0.49922
Nitrogen Dioxide	TM13	10	18	25	67	32	110	0.0025	0.011	0.1247	0.1067	0.4843	0.7394	0.4076		0.089	0.0753	0.2648	0.6136	1.2329	0.4962	0.1858	0.6413	0.0152	0.30935	0.49894
Nitrogen Dioxide	TM13	10	19	25	69	32	112	0.0025	0.0109	0.124	0.1061	0.4805	0.7332	0.4044		0.0882	0.0747	0.2627	0.6089	1.2234	0.4924	0.1843	0.6366	0.015	0.29771	0.48017
Nitrogen Dioxide	TM13	10	20	25	71	33	64	0.0024	0.0106	0.1214	0.1038	0.4697	0.7144	0.3922		0.0858	0.0725	0.2555	0.5921	1.1927	0.4777	0.1794	0.6176	0.0147	0.13729	0.22242
Nitrogen Dioxide	TM13	10	21	24	71	33	35	0.0025	0.0108	0.1228	0.105	0.4777	0.7276	0.3989		0.0873	0.0738	0.2599	0.6022	1.213	0.4858	0.1824	0.6281	0.0152	0.16563	0.26714
Nitrogen Dioxide	TM13	10	22	24	71	33	16	0.0025	0.0108	0.1228	0.105	0.4777	0.7276	0.3989		0.0873	0.0738	0.2599	0.6022	1.213	0.4858	0.1824	0.6281	0.0152	0.16892	0.27245
Nitrogen Dioxide	TM13	10	23	24	72	33	13	0.0025	0.0108	0.1225	0.1047	0.4759	0.7247	0.3974		0.087	0.0735	0.2589	0.6	1.2086	0.4841	0.1817	0.6258	0.0151	0.06748	0.10885
Nitrogen Dioxide	TM13	10	24	24	72	36	4	0.0024	0.0104	0.1173	0.0998	0.4562	0.6897	0.3726		0.0823	0.0691	0.2447	0.567	1.1502	0.4546	0.172	0.5876	0.0148	0.16435	0.2654
Nitrogen Dioxide	TM13	11	1	21	75	36	7	0.0025	0.011	0.1203	0.1023	0.4729	0.7194	0.3863		0.0855	0.0718	0.2537	0.5878	1.1924	0.4713	0.1784	0.6092	0.0162	0.02176	0.03509
Nitrogen Dioxide	TM13	11	2	21	74	36	4	0.0025	0.0111	0.1206	0.1025	0.4743	0.7216	0.3874		0.0858	0.0722	0.2545	0.5895	1.1959	0.4727	0.1789	0.6109	0.0163	0.03418	0.05512
Nitrogen Dioxide	TM13	11	3	21	74	36	2	0.0025	0.0111	0.1206	0.1025	0.4743	0.7216	0.3874		0.0858	0.0722	0.2545	0.5895	1.1959	0.4727	0.1789	0.6109	0.0163	0.0368	0.01097
Nitrogen Dioxide	TM13	11	4	21	74	36	2	0.0025	0.0111	0.1206	0.1025	0.4743	0.7216	0.3874		0.0858	0.0722	0.2545	0.5895	1.1959	0.4727	0.1789	0.6109	0.0163	0.06155	0.09927
Nitrogen Dioxide	TM13	11	5	21	74	36	0	0.0025	0.0111	0.1206	0.1025	0.4743	0.7216	0.3874		0.0858	0.0722	0.2545	0.5895	1.1959	0.4727	0.1789	0.6109	0.0163	0	0
Nitrogen Dioxide	TM13	11	6	21	73	36	4	0.0026	0.0111	0.1208	0.1027	0.4757	0.7239	0.3885		0.0861	0.0722	0.2552	0.5912	1.1993	0.474	0.1794	0.6127	0.0164	0.03215	0.05185
Nitrogen Dioxide	TM13	11	7	21	73	34	31	0.0026	0.0114	0.1243	0.1061	0.4891	0.7478	0.4053		0.0893	0.0752	0.2649	0.6136	1.239	0.494	0.186	0.6386	0.0166	0.1498	0.24161
Nitrogen Dioxide	TM13	11	8	21	73	33	70	0.0027	0.0117	0.1269	0.1085	0.5006	0.7677	0.418		0.0918	0.0775	0.2724	0.631	1.2711	0.5091	0.1912	0.6582	0.017	0.21339	0.34417
Nitrogen Dioxide	TM13	11	9	22	66	33	169	0.0027	0.0117	0.1268	0.1084	0.5	0.7663	0.4175		0.0917	0.0774	0.2721	0.6303	1.2697	0.5086	0.1909	0.6575	0.0168	0.31502	0.5081
Nitrogen Dioxide	TM13	11	10	23	61	33	184	0.0027	0.0117	0.1271	0.1087	0.5015	0.7676	0.4187		0.0919	0.0776	0.2729	0.6322	1.2735	0.5101	0.1915	0.6594	0.0167	0.32003	0.51618
Nitrogen Dioxide	TM13	11	11	25	57	33	118	0.0027	0.0116	0.1261	0.1077	0.4955	0.7571	0.4138		0.0908	0.0766	0.2696	0.6247	1.2583	0.504	0.1892	0.6516	0.0162	0.31049	0.5008
Nitrogen Dioxide	TM13	11	12	25	56	33	103	0.0027	0.0117	0.1264	0.108	0.4974	0.7601	0.4153		0.0911	0.0769	0.2706	0.627	1.263	0.5059	0.1899	0.654	0.0164	0.3041	0.49049
Nitrogen Dioxide	TM13	11	13	25	56	33	102	0.0027	0.0117	0.1264	0.108	0.4974	0.7601	0.4153		0.0911	0.0769	0.2706	0.627	1.263	0.5059	0.1899	0.654	0.0164	0.32281	0.52067
Nitrogen Dioxide	TM13	11	14	26	56	33	97	0.0026	0.0115	0.1253	0.107	0.4907	0.7492	0.4098		0.0898	0.0758	0.267	0.6187	1.2462	0.4991	0.1874	0.6453	0.016	0.31545	0.5088
Nitrogen Dioxide	TM13	11	15	26	57	33	112	0.0026	0.0114	0.1249	0.1067	0.4888	0.7459	0.4081		0.0895	0.0752	0.2659	0.6162	1.2412	0.4971	0.1867	0.6427	0.0158	0.31599	0.50967
Nitrogen Dioxide	TM13	11	16	25	58	33	109	0.0027	0.0115	0.1258	0.1075	0.4937	0.754	0.4122		0.0904	0.0763	0.2686	0.6224	1.2536	0.5021	0.1885	0.6491	0.0161	0.3173	0.51178
Nitrogen Dioxide	TM13	11	17	24	63	32	109	0.0027	0.0115	0.1273	0.109	0.499	0.7638	0.4199		0.0918	0.0777	0.2728	0.6322	1.2702	0.5112	0.1914	0.661	0.0161	0.32183	0.51908
Nitrogen Dioxide	TM13	11	18	23	66	32	110	0.0027	0.0116	0.1276	0.1093	0.5008	0.7675	0.4215		0.0922	0.078	0.2739	0.6345	1.275	0.5131	0.1921	0.6634	0.0163	0.32025	0.51653
Nitrogen Dioxide	TM13	11	19	23	70	32	112	0.0026	0.0113	0.1264	0.1083	0.4942	0.7566	0.4159		0.0909	0.0769	0.2702	0.6262	1.2581	0.5064	0.1896	0.6547	0.0159	0.30643	0.49425
Nitrogen Dioxide	TM13	11	20	22	70	33	64	0.0026	0.0114	0.1258	0.1075	0.4939	0.7559	0.4124		0.0905	0.0764	0.2687	0.6226	1.2542	0.5024	0.1886	0.6494	0.0164	0.14481	0.23356
Nitrogen Dioxide	TM13	11	21	22	73	34	35	0.0026	0.0113	0.1252	0.1072	0.4908	0.7508	0.4099		0.0899	0.0759	0.2671	0.6188	1.2464	0.4992	0.1874	0.6454	0.0162	0.17029	0.27467
Nitrogen Dioxide	TM13	11	22	22	74	33	16	0.0026	0.0112	0.1247	0.1065	0.4878	0.7458	0.4073		0.0893	0.0754	0.2654	0.6149	1.2387	0.4961	0.1863	0.6414	0.016	0.17249	0.27821
Nitrogen Dioxide	TM13	11	23	22	74	33	13	0.0026	0.0112	0.1247	0.1065	0.4878	0.7458	0.4073		0.0893	0.0754	0.2654	0.6149	1.2387	0.4961	0.1863	0.6414	0.016	0.06905	0.11138
Nitrogen Dioxide	TM13	11	24	21	74	36	4	0.0025	0

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:

(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.

(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Dioxide	TM14	2	10	19	73	34	500	0.0028	0.012	0.1266	0.108	0.5017	0.7703	0.4157		0.0918	0.0773	0.2717	0.6294	1.2708	0.5067	0.1907	0.655	0.0177	0.4083	0.65856
Nitrogen Dioxide	TM14	2	11	20	70	33	602	0.0027	0.0119	0.1281	0.1095	0.5068	0.7791	0.4232		0.0931	0.0786	0.2758	0.639	1.2871	0.5155	0.1936	0.6665	0.0175	0.32183	0.51909
Nitrogen Dioxide	TM14	2	12	20	68	42	597	0.0025	0.0109	0.1141	0.0961	0.4532	0.6832	0.3563		0.0802	0.0667	0.2371	0.549	1.1281	0.4361	0.1673	0.5634	0.0169	0.26874	0.43346
Nitrogen Dioxide	TM14	2	13	21	65	42	547	0.0025	0.0108	0.1138	0.0959	0.4516	0.6798	0.3551		0.0799	0.0665	0.2362	0.5471	1.1241	0.4346	0.1667	0.5614	0.0166	0.27938	0.449
Nitrogen Dioxide	TM14	2	14	21	65	41	503	0.0025	0.0108	0.1138	0.0959	0.4516	0.6798	0.3551		0.0799	0.0665	0.2362	0.5471	1.1241	0.4346	0.1667	0.5614	0.0166	0.2683	0.43275
Nitrogen Dioxide	TM14	2	15	21	66	41	581	0.0025	0.0108	0.1149	0.097	0.4556	0.682	0.3603		0.0809	0.0674	0.2393	0.5542	1.1364	0.4408	0.1688	0.5695	0.0166	0.27604	0.44523
Nitrogen Dioxide	TM14	2	16	20	68	44	595	0.0024	0.0106	0.1115	0.0937	0.4431	0.6654	0.3445		0.0778	0.0647	0.23	0.5327	1.0988	0.4221	0.1626	0.5451	0.0167	0.27549	0.44434
Nitrogen Dioxide	TM14	2	17	20	70	33	567	0.0027	0.0119	0.1281	0.1095	0.5068	0.7791	0.4232		0.0931	0.0786	0.2758	0.639	1.2871	0.5155	0.1936	0.6665	0.0175	0.32282	0.52067
Nitrogen Dioxide	TM14	2	18	19	74	33	536	0.0028	0.0121	0.1283	0.1096	0.5078	0.7814	0.424		0.0933	0.0788	0.2764	0.6401	1.2894	0.5165	0.1939	0.6677	0.0177	0.30833	0.49733
Nitrogen Dioxide	TM14	2	19	18	76	33	576	0.0029	0.0125	0.129	0.1102	0.5113	0.7882	0.4277		0.094	0.0794	0.2783	0.6446	1.2985	0.5201	0.1953	0.6724	0.0181	0.30188	0.4869
Nitrogen Dioxide	TM14	2	20	18	78	34	414	0.0028	0.0122	0.1267	0.108	0.5016	0.7711	0.4157		0.0918	0.0773	0.2717	0.6293	1.2707	0.5066	0.1907	0.6549	0.0178	0.19151	0.30889
Nitrogen Dioxide	TM14	2	21	18	78	34	385	0.0028	0.0122	0.1267	0.108	0.5016	0.7711	0.4157		0.0918	0.0773	0.2717	0.6293	1.2707	0.5066	0.1907	0.6549	0.0178	0.19324	0.31167
Nitrogen Dioxide	TM14	2	22	18	78	50	152	0.0024	0.0104	0.1049	0.0874	0.4162	0.6196	0.314		0.0718	0.0594	0.2115	0.4896	1.0208	0.386	0.1504	0.4977	0.0167	0.23761	0.38324
Nitrogen Dioxide	TM14	2	23	18	78	51	78	0.0024	0.0103	0.104	0.0865	0.4122	0.6127	0.3097		0.0709	0.0587	0.2088	0.4833	1.0095	0.3809	0.1486	0.4943	0.0166	0.32086	0.51752
Nitrogen Dioxide	TM14	2	24	18	78	52	65	0.0023	0.0102	0.1031	0.0857	0.4084	0.606	0.3055		0.07	0.0579	0.2061	0.4773	0.9984	0.3759	0.1469	0.491	0.0166	0.34454	0.5557
Nitrogen Dioxide	TM14	3	1	21	75	52	28	0.0021	0.009	0.0984	0.0819	0.3833	0.564	0.2867		0.0654	0.0541	0.1934	0.4479	0.937	0.3528	0.1379	0.4608	0.0144	0.27531	0.44405
Nitrogen Dioxide	TM14	3	2	20	87	53	17	0.0021	0.0091	0.0985	0.0819	0.3849	0.5667	0.2866		0.0656	0.0543	0.1936	0.4483	0.9394	0.3529	0.1381	0.464	0.0149	0.19554	0.31539
Nitrogen Dioxide	TM14	3	3	20	87	53	17	0.0021	0.0091	0.0985	0.0819	0.3849	0.5667	0.2866		0.0656	0.0543	0.1936	0.4483	0.9394	0.3529	0.1381	0.464	0.0149	0.19748	0.31851
Nitrogen Dioxide	TM14	3	4	20	87	53	15	0.0021	0.0091	0.0985	0.0819	0.3849	0.5667	0.2866		0.0656	0.0543	0.1936	0.4483	0.9394	0.3529	0.1381	0.464	0.0149	0.23513	0.37925
Nitrogen Dioxide	TM14	3	5	20	87	53	17	0.0021	0.0091	0.0985	0.0819	0.3849	0.5667	0.2866		0.0656	0.0543	0.1936	0.4483	0.9394	0.3529	0.1381	0.464	0.0149	0.18659	0.30095
Nitrogen Dioxide	TM14	3	6	20	87	53	33	0.0021	0.0091	0.0985	0.0819	0.3849	0.5667	0.2866		0.0656	0.0543	0.1936	0.4483	0.9394	0.3529	0.1381	0.464	0.0149	0.16424	0.26194
Nitrogen Dioxide	TM14	3	7	20	87	51	54	0.0021	0.0092	0.1002	0.0835	0.392	0.5791	0.2945		0.0672	0.0556	0.1985	0.4597	0.96	0.3622	0.1413	0.4701	0.0149	0.17458	0.28157
Nitrogen Dioxide	TM14	3	8	20	86	35	158	0.0025	0.0109	0.1206	0.1028	0.4717	0.7189	0.388		0.0857	0.072	0.2542	0.5889	1.192	0.4731	0.1786	0.6116	0.016	0.09073	0.14634
Nitrogen Dioxide	TM14	3	9	21	83	34	426	0.0025	0.0109	0.1218	0.1039	0.475	0.7244	0.3936		0.0866	0.073	0.2572	0.5959	1.2033	0.4797	0.1806	0.6202	0.0157	0.36166	0.58333
Nitrogen Dioxide	TM14	3	10	22	79	34	500	0.0025	0.0108	0.1215	0.1036	0.4732	0.7208	0.3922		0.0862	0.0726	0.2562	0.5937	1.1988	0.4779	0.1799	0.6178	0.0155	0.383	0.61774
Nitrogen Dioxide	TM14	3	11	22	78	33	602	0.0025	0.011	0.1236	0.1056	0.4817	0.7336	0.4022		0.0882	0.0745	0.2621	0.6073	1.2232	0.4899	0.1839	0.6334	0.0157	0.30492	0.49181
Nitrogen Dioxide	TM14	3	12	23	77	42	597	0.0022	0.0097	0.1087	0.0916	0.4229	0.6319	0.3325		0.0745	0.062	0.2211	0.5123	1.0527	0.407	0.1562	0.5257	0.0145	0.2497	0.40275
Nitrogen Dioxide	TM14	3	13	23	77	42	547	0.0022	0.0097	0.1087	0.0916	0.4229	0.6319	0.3325		0.0745	0.062	0.2211	0.5123	1.0527	0.407	0.1562	0.5257	0.0145	0.2598	0.41903
Nitrogen Dioxide	TM14	3	14	23	77	42	503	0.0022	0.0097	0.1087	0.0916	0.4229	0.6319	0.3325		0.0745	0.062	0.2211	0.5123	1.0527	0.407	0.1562	0.5257	0.0145	0.25046	0.40397
Nitrogen Dioxide	TM14	3	15	23	76	41	581	0.0023	0.0098	0.1102	0.093	0.4293	0.6429	0.3395		0.0759	0.0633	0.2254	0.5222	1.0709	0.4154	0.159	0.5366	0.0146	0.25937	0.41835
Nitrogen Dioxide	TM14	3	16	23	77	44	595	0.0022	0.0095	0.1062	0.0893	0.4135	0.6155	0.3213		0.0723	0.0601	0.2145	0.497	1.0253	0.3939	0.1518	0.5082	0.0144	0.25605	0.41298
Nitrogen Dioxide	TM14	3	17	22	78	33	567	0.0025	0.0109	0.1233	0.1054	0.4802	0.7331	0.4009		0.0879	0.0742	0.2612	0.6053	1.2193	0.4884	0.1834	0.6314	0.0156	0.30484	0.49168
Nitrogen Dioxide	TM14	3	18	22	82	33	536	0.0025	0.0107	0.1225	0.1047	0.4756	0.7255	0.3971		0.087	0.0735	0.2587	0.5996	1.2077	0.4837	0.1816	0.6254	0.0153	0.28767	0.46399
Nitrogen Dioxide	TM14	3	19	21	84	33	576	0.0025	0.0109	0.1234	0.1054	0.4805	0.7345	0.4012		0.088	0.0743	0.2614	0.6058	1.2203	0.4888	0.1835	0.6319	0.0157	0.28271	0.45598
Nitrogen Dioxide	TM14	3	20	21	85	34	414	0.0025	0.0108	0.1213	0.1035	0.4722	0.7198	0.3913		0.086	0.0725	0.2557	0.5924	1.1961	0.4769	0.1795	0.6165	0.0155	0.18035	0.29088
Nitrogen Dioxide	TM14	3	21	21	86	34	385	0.0025	0.0107	0.121	0.1033	0.4708	0.7174	0.3901		0.0858	0.0725	0.2549	0.5906	1.1926	0.4755	0.179	0.6146	0.0155	0.18153	0.29279
Nitrogen Dioxide	TM14	3	22	21	86	50	152	0.0021	0.0091	0.1002	0.0836	0.3906	0.5766	0.2947		0.067	0.0555	0.1984	0.4595	0.9581	0.3623	0.1411	0.4671	0.0145	0.22304	0.35973
Nitrogen Dioxide	TM14	3	23	21	85	51	78	0.0021	0.0091	0.0995	0.0829	0.388	0.5721	0.2915		0.0664	0.055	0.1964	0.455	0.9502	0.3585	0.1399	0.4653	0.0145	0.30207	0.48712
Nitrogen Dioxide	TM14	3	24	21	86	52	65	0.0021	0.009	0.0984	0.0819	0.3833	0.564	0.2867		0.0654	0.0541	0.1934	0.4479	0.937	0.3528	0.1379	0.4608	0.0144	0.3233	0.52145
Nitrogen Dioxide	TM14	4	1	20	83	52	28	0.0021	0.0093	0.1001	0.0833	0.3927	0.5797	0.2937		0.0671	0.0556	0.1982	0.4589	0.9601	0.3614	0.1413	0.4722	0.0152	0.28206	0.45494
Nitrogen Dioxide	TM14	4	2	20	85	53	17	0.0021	0.0092	0.0989	0.0822	0.387	0.5701	0.2882		0.0659	0.0546	0.1947	0.4508	0.9446	0.3549	0.1389	0.4666	0.015	0.19659	0.31708
Nitrogen Dioxide	TM14	4	3	20	84	53	17	0.0021	0.0092	0.099	0.0824	0.388	0.5718	0.2891		0.0661	0.0547	0.1952	0.452	0.9472	0.3558	0.1393	0.4678	0.0151	0.19902	0.321
Nitrogen Dioxide	TM14	4	4	20	85	53	15	0.0021	0.0092	0.0989	0.0822	0.387	0.5701	0.2882		0.0659	0.0546	0.1947	0.4508	0.9446	0.3549	0.1389	0.4666	0.015	0.23639	0.38128
Nitrogen Dioxide	TM14	4	5	19	84	53	17	0.0022	0.0095	0.1001	0.0832	0.3937	0.5814	0.2932		0.0672	0.0556	0.1981	0.4586	0.961	0.3613	0.1413	0.4747	0.0156	0.19078	0.3077
Nitrogen Dioxide	TM14	4	6	19	84	53	33	0.0022	0.0095	0.1001	0.0832	0.3937	0.5814	0.2932		0.0672	0.0556	0.1981	0.4586	0.961	0.3613	0.1413	0.4747	0.0156	0.16596	0.26768
Nitrogen Dioxide	TM14	4	7	20	84	51	54	0.0022	0.0094	0.1008	0.084	0.3953	0.5843	0.297		0.0677	0.0561	0.2001	0.4635	0.968	0.3652	0.1425	0.474	0.0152	0.17602	0.2839
Nitrogen Dioxide	TM14	4	8	21	79	35	158	0.0025	0.0109	0.121	0.1031	0.4739	0.7218	0.3898		0.086	0.0724	0.2554	0.5917	1.1976	0.4754	0.1794	0.6145	0.016	0.09112	0.14696
Nitrogen Dioxide	TM14	4	9	22	73	34	426	0.0026	0.0111	0.1231	0.105	0.4822	0.7357	0.3996		0.0879	0.0741	0.2611	0.605	1.2216	0.487	0.1834	0.6296	0.016	0.36725	0.59233
Nitrogen Dioxide	TM14	4	10	23	69	34	500	0.0026	0.0111	0.1229	0.1049	0.4814	0.7335	0.3989		0.0877	0.0739	0.2607	0.604	1.2195	0.4862	0.1833	0.6285	0.0158	0.38968	0.62851
Nitrogen Dioxide	TM14	4	11	23	67	33	602	0.0026	0.0113	0.1251	0.1069	0.4901	0.7488	0.4092		0.0897	0.0758	0.2662	0.6179	1.2446	0.4985	0.1872	0.6444	0.016	0.31027	0.50044
Nitrogen Dioxide	TM14	4	12	24	66	42	597	0.0023	0.0101	0.1104	0.093	0.4326	0.647	0.3401		0.0762	0.0635	0.2262	0.524	1.0768	0.4163	0.1597	0.5377	0.015	0.25549	0.41209
Nitrogen Dioxide	TM14	4	13	24	65	42	547	0.0023	0.0101	0.1107	0.0933	0.4341	0.6495	0.3413		0.0765	0.0637	0.227	0.5259	1.0806	0.4177	0.1603	0.5397	0.0151	0.26679	0.43031
Nitrogen Dioxide	TM14	4	14	24	66	42	503	0.0023	0.0101	0.1104	0.093	0.4326	0.647	0.3401		0.0762	0.0635	0.2262	0.524	1.0768	0.4163	0.1597	0.5377	0.015	0.25625	0.41331
Nitrogen Dioxide	TM14	4	15	24	66	41	581	0.0023	0.0102	0.1117	0.0943	0.4376	0.6559	0.3461		0.0774	0.0645	0.2298	0.5323	1.0976	0.4234	0.1621	0.547	0.0153	0.26444	0.42652
Nitrogen Dioxide	TM14	4	16	24	66	44	595	0.0023	0.0098	0.1076	0.0905	0.4214	0.6277	0.3277		0.0737	0.0613	0.2187	0.5066	1.045	0.4015	0.1547	0.5184	0.0148	0.2401	0.42097
Nitrogen Dioxide	TM14	4	17	23	69	33	567	0.0026	0.0112	0.1248	0.1067	0.4885	0.7461	0.4079		0.0894	0.0755	0.2658	0.6158	1.2404	0.4968	0.1863	0.6423	0.0159	0.31014	0.50022
Nitrogen Dioxide	TM14	4	18	22	74	33	536	0.0026	0.0112	0.1247	0.1065	0.4878	0.7458	0.4073		0.0893	0.0754	0.2654	0.6149	1.2387	0.4961	0.1863	0.6414	0.016	0.29531	0.4763
Nitrogen Dioxide	TM14	4	19	22	76	33	576	0.0026	0.0111	0.1241	0.1061	0.4847	0.7407	0.4048		0.0888	0.0749	0.2637	0.6111	1.2309	0.493	0.1851	0.6374	0.0159	0.28514	0.4599
Nitrogen Dioxide	TM14	4	20	21	79	34	414	0.0026	0.0111	0.1228	0.1048	0.4806	0.7338	0.3983		0.0877	0.0739	0.2603	0.603	1.2176	0.4854	0.1827	0.6275	0.0161	0.18352	0.29601
Nitrogen Dioxide	TM14	4	21	21	80	34	385	0.0025	0.011	0.1225	0.1046	0.4792	0.7315	0.3971		0.0874	0.0736	0.2595	0.6012	1.214	0.484	0.1822	0.6257	0.016	0.18467	0.29786
Nitrogen Dioxide	TM14	4	22	21	81	50	152	0.0021	0.0093	0.1012	0.0845	0.3964	0.5886	0.2991		0.0681	0.0564	0.2014	0.4667	0.9724	0.3677	0.1432	0.4747	0.0149	0.22632	0.36504
Nitrogen Dioxide	TM14	4	23	21	82	51	78	0.0021	0.0092	0.1001	0.0834	0.3915	0.5776	0.2941		0.067	0.0555	0.1982	0.459	0.9587	0.3617	0.1411	0.4694	0.0148	0.30473	0.4915
Nitrogen Dioxide	TM14	4	24	20	82	52	65	0.0022	0.0094	0.1003	0.0835	0.3938	0.5814	0.2945		0.0673	0.0557	0.1987	0.4602	0.9627	0.3624	0.1416	0.4735	0.0153	0.33217	0.53576
Nitrogen Dioxide	TM14	5	1	26	91	52	28	0.0017	0.0072	0.0903	0.0753	0.3386	0.4915	0.2533		0.0573	0.0475	0.1707	0.3957	0.8279	0.3117	0.1218	0.4071	0.011	0.24329	0.39241
Nitrogen Dioxide	TM14	5	2	25	92	53	17	0.0017	0.0074	0.0908	0.0756	0.3426	0.4975	0.2552		0.0579	0.048	0.1722	0.3991	0.8363	0.3142	0.123	0.4131	0.0114	0.1746	0.28161
Nitrogen Dioxide	TM14	5	3	25	92	53	17	0.0017	0.0074	0.0908	0.0756	0.3426	0.4975	0.2552		0.0579	0.048	0.1722	0.3991	0.8363	0.3142	0.123	0.4131	0.0114	0.17654	0.28473
Nitrogen Dioxide	TM14	5	4	25	91	53	15	0.0017	0.0075	0.0911	0.0759	0.3441	0.4999	0.2563		0.0581	0.0482	0.173	0.4008	0.8399	0.3155	0.1235	0.4148	0.0115	0.2108	0.34
Nitrogen Dioxide	TM14	5	5	25	92	53	17	0.0017	0.0074	0.0908	0.0756	0.3426	0.4975	0.2552		0.0579	0.048	0.1722	0.3991	0.8363	0.3142	0.123	0.4131	0.0114	0.16659	0.26869
Nitrogen Dioxide	TM14	5	6	25	93	53	33	0.0017	0.0073	0.0905	0.0754	0.3412	0.4952	0.2541		0.0576	0.0477	0.1715	0.3974	0.8327	0.3128	0.1223	0.4113	0.0113	0.14478	0.23351
Nitrogen Dioxide	TM14	5	7	26	91	51	54	0.0017	0.0073	0.0911	0.0761	0.3418	0.4969	0.2568		0.058	0.0481	0.1729	0.4008	0.837	0.3158	0.1232	0.4098	0.011	0.15276	0.24639
Nitrogen Dioxide	TM14	5	8	27	85	35	158	0.002	0.0086	0.1098	0.0935	0.4112	0.6166	0.3383		0.074	0.0624	0.2215	0.5135	1.0393	0.4125	0.1557	0.5332	0.0118	0.07893	0.1273
Nitrogen Dioxide	TM14	5	9	28	84	35	426	0.002	0.0088	0.1115	0.095	0.4172	0.6248	0.3456		0.0754	0.0636	0.2257	0.5232	1.0564	0.4212	0.1586	0.5445	0.0118	0.31447	0.50721
Nitrogen Dioxide	TM14	5	10	28	78	34	500	0.0021	0.009	0.1123	0.0957	0.4214	0.634	0.3492		0.0762	0.0643	0.228	0.5287	1.0675	0.4256	0.1602	0.5502	0.0121	0.33823	0.54554
Nitrogen Dioxide	TM14	5	11	29	77	33	602	0.0021	0.0089	0.1125	0.096	0.4192	0.631	0.35		0.0761	0.0644	0.2279	0.5285	1.0645	0.4264	0.1601	0.5512	0.0117	0.26376	0.42541
Nitrogen Dioxide	TM14	5	12	29	75	42	597	0.0019	0.0082	0.1006	0.0847	0.377	0.5571	0.2965		0.066	0.055	0.197	0.4568	0.9386	0.3628	0.1392	0.4687	0.0114	0.2216	0.35741
Nitrogen Dioxide	TM14	5	13	29	74	42	547	0.0019	0.0083	0.1009	0.085	0.3791	0.5605	0.2981		0.0663	0.0553	0.1981	0.4593	0.9438	0.3649	0.14	0.4713	0.0116	0.23191	0.37404
Nitrogen Dioxide	TM14	5	14	29	75	42	503	0.0019	0.0082	0.1006	0.0847	0.377	0.5571	0.2965		0.066	0.055	0.197	0.4568	0.9386	0.3628	0.1392	0.4687	0.0114	0.22239	0.3587
Nitrogen Dioxide	TM14	5	15	29	75	41	581	0.0019	0.0083	0.1017	0.0858	0.3815	0.5648	0.3017		0.067	0.0559	0.2002	0.464	0.9515	0.3691	0.1413	0.4768	0.0115	0.22953	0.37021
Nitrogen Dioxide	TM14	5	16	29	77	44	595	0.0018	0.0079	0.0975	0.082	0.3646	0.5363	0.2834		0.0633	0.0527	0.189	0.4382	0.904	0.3473	0.1338	0.4485	0.0111	0.22463	0.3623
Nitrogen Dioxide	TM14	5	17	28	78	33	567	0.0021	0.0091	0.1139	0.0973	0.4276	0.6448	0.357		0.0777	0.0657	0.2325	0.5391	1.0858	0.4349	0.1633	0.5622	0.0122	0.26999	0.43547
Nitrogen Dioxide	TM14	5	18	28	81	33	536	0.0021	0.0088	0.1127	0.0962	0.4209	0.6338	0.3515		0.0764	0.0647	0.2289	0.5307	1.0689	0.4281	0.1607	0.5535	0.0118	0.25332	0.40858
Nitrogen Dioxide	TM14	5	19	27	84	33	576	0.0021	0.0089	0.1135	0.0969	0.4253	0.641	0.3551		0.0773	0.0654	0.2312	0.5362	1.08	0.4326	0.1624	0.5592	0.012	0.24904	0.40167
Nitrogen Dioxide	TM14	5	20	27	87	33	414	0.002	0.0086	0.1107	0.0944	0.4173	0.6201	0.3427		0.0746	0.0617	0.2234	0.5182	1.0441	0.4171	0.1567	0.5392	0.0116	0.15811	0.25497
Nitrogen Dioxide	TM14	5	21	27	88	34	385	0.002	0.0085	0.1103	0.0941	0.4109	0.6167	0.3405		0.0742	0.0627	0.2223	0.5155	1.0409	0.415	0.1562	0.5365	0.0115	0.15904	0.25652
Nitrogen Dioxide	TM14	5	22	26	89	50	152	0.0017	0.0074	0.0926	0.0773	0.3483	0.5076	0.2628		0.0593	0.0492	0.1768	0.4097	0.8543	0.3231	0.1258	0.4165	0.0112	0.19908	0.32109
Nitrogen Dioxide	TM14	5	23	26	89	51	78	0.0017	0.0074	0.0917	0.0765	0.345	0.502	0.2592		0.0586	0.0486	0.1745	0.4045	0.8448	0.3187	0.1244	0.4137	0.0112	0.26871	0.4334
Nitrogen Dioxide	TM14	5	24	26	90	52	65	0.0017	0.0073	0.0906	0.0755	0.3402	0.494	0.2545		0.0576	0.0477	0.1715	0.3976	0.8317	0.3131	0.1224	0.409	0.0111	0.28693	0.46279
Nitrogen Dioxide	TM14	6	1	28	88	52	28	0.0016	0.0068	0.088	0.0733	0.3253	0.4703	0.2433		0.0549	0.0455	0.164	0.3801	0.7952	0.2994	0.117	0.3911	0.01	0.23374	0.377
Nitrogen Dioxide	TM14	6	2	27	89	53	17	0.0016	0.007	0.0885	0.0737	0.3298	0.4773	0.2467		0.0556	0.0461	0.1658	0.3842	0.8051	0.3025	0.1184	0.3976	0.0105	0.16828	0.27142
Nitrogen Dioxide	TM14	6	3	27	89	53	17	0.0016	0.007	0.0885	0.0737	0.3298	0.4773	0.2457		0.0556	0.0461	0.1658	0.3842	0.8051	0.3025	0.1184	0.3976	0.0105	0.17022	0.27454
Nitrogen Dioxide	TM14	6	4	27	88	53	15	0.0016	0.007	0.0888	0.074	0.3315	0.4799	0.2469		0.0559	0.0463	0.1666	0.3861	0.8091	0.304	0.119	0.3996	0.0107	0.20329	0.32788
Nitrogen Dioxide	TM

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:

(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.

(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Dioxide	TM14	8	15	30	75	41	581	0.0018	0.008	0.1	0.0843	0.3717	0.5489	0.294		0.0652	0.0545	0.195	0.4521	0.9271	0.3596	0.1377	0.4646	0.0109	0.22344	0.36039
Nitrogen Dioxide	TM14	8	16	29	77	44	595	0.0018	0.0079	0.0975	0.082	0.3646	0.5361	0.2834		0.0633	0.0527	0.189	0.4382	0.904	0.3473	0.1338	0.4485	0.0111	0.22463	0.3623
Nitrogen Dioxide	TM14	8	17	29	79	33	562	0.002	0.0087	0.1116	0.0953	0.4145	0.6232	0.3461		0.0752	0.0636	0.2253	0.5225	1.0525	0.4216	0.1583	0.545	0.0114	0.26141	0.42163
Nitrogen Dioxide	TM14	8	18	28	80	33	536	0.0021	0.0089	0.1131	0.0966	0.4231	0.6375	0.3533		0.0769	0.065	0.2301	0.5335	1.0746	0.4304	0.1616	0.5564	0.0119	0.25471	0.41083
Nitrogen Dioxide	TM14	8	19	28	82	33	576	0.002	0.0088	0.1123	0.0959	0.4187	0.6302	0.3496		0.076	0.0643	0.2277	0.5279	1.0633	0.4259	0.1599	0.5506	0.0117	0.24508	0.3953
Nitrogen Dioxide	TM14	8	20	28	84	34	414	0.002	0.0085	0.1099	0.0937	0.4083	0.6124	0.3383		0.0737	0.0623	0.2209	0.5122	1.0343	0.4124	0.1552	0.5331	0.0113	0.15639	0.25223
Nitrogen Dioxide	TM14	8	21	27	85	34	385	0.002	0.0087	0.1114	0.095	0.4171	0.6269	0.3456		0.0754	0.0637	0.2257	0.5233	1.0566	0.4212	0.1586	0.5445	0.0118	0.16134	0.26022
Nitrogen Dioxide	TM14	8	22	27	87	50	152	0.0017	0.0073	0.0916	0.0765	0.3426	0.4986	0.2586		0.0583	0.0484	0.1739	0.4031	0.8404	0.3178	0.1238	0.4097	0.0108	0.19591	0.31598
Nitrogen Dioxide	TM14	8	23	27	88	51	78	0.0017	0.0071	0.0904	0.0735	0.3377	0.4904	0.2537		0.0573	0.0475	0.1708	0.3959	0.8269	0.312	0.1217	0.4049	0.0107	0.26305	0.42428
Nitrogen Dioxide	TM14	8	24	27	89	52	65	0.0016	0.007	0.0893	0.0745	0.3329	0.4824	0.249		0.0562	0.0467	0.1678	0.389	0.8138	0.3064	0.1197	0.4002	0.0106	0.28074	0.4528
Nitrogen Dioxide	TM14	9	1	27	89	52	28	0.0016	0.007	0.0893	0.0745	0.3329	0.4824	0.249		0.0562	0.0467	0.1678	0.389	0.8138	0.3064	0.1197	0.4002	0.0106	0.23916	0.38574
Nitrogen Dioxide	TM14	9	2	26	89	53	17	0.0017	0.0073	0.0901	0.0751	0.3386	0.4912	0.2522		0.0572	0.0474	0.1702	0.3945	0.8266	0.3105	0.1216	0.4083	0.0112	0.17265	0.27847
Nitrogen Dioxide	TM14	9	3	26	91	53	17	0.0017	0.0071	0.0895	0.0746	0.3355	0.4863	0.2499		0.0566	0.0469	0.1686	0.3908	0.819	0.3077	0.1204	0.4045	0.0109	0.17302	0.27906
Nitrogen Dioxide	TM14	9	4	26	92	53	15	0.0017	0.0071	0.0893	0.0744	0.334	0.4838	0.2487		0.0563	0.0467	0.1678	0.389	0.8152	0.3063	0.1199	0.4026	0.0108	0.20478	0.33029
Nitrogen Dioxide	TM14	9	5	26	92	53	17	0.0017	0.0071	0.0893	0.0744	0.334	0.4838	0.2487		0.0563	0.0467	0.1678	0.389	0.8152	0.3063	0.1199	0.4026	0.0108	0.14254	0.26215
Nitrogen Dioxide	TM14	9	6	26	93	53	33	0.0016	0.007	0.089	0.0741	0.3324	0.4813	0.2476		0.056	0.0465	0.1671	0.3872	0.8114	0.3048	0.1193	0.4008	0.0107	0.14126	0.22784
Nitrogen Dioxide	TM14	9	7	26	93	51	54	0.0017	0.0071	0.0906	0.0756	0.3386	0.4919	0.2544		0.0574	0.0476	0.1713	0.397	0.8292	0.3129	0.1221	0.406	0.0108	0.15139	0.24417
Nitrogen Dioxide	TM14	9	8	27	88	35	158	0.0019	0.0084	0.1087	0.0926	0.4052	0.6066	0.3333		0.0729	0.0614	0.2182	0.5059	1.0239	0.4064	0.1534	0.5253	0.0114	0.07773	0.12537
Nitrogen Dioxide	TM14	9	9	28	83	34	426	0.002	0.0086	0.1103	0.094	0.4105	0.616	0.3402		0.0742	0.0626	0.2221	0.515	1.0398	0.4146	0.1561	0.5359	0.0115	0.30924	0.49878
Nitrogen Dioxide	TM14	9	10	29	78	34	500	0.002	0.0087	0.1104	0.094	0.4108	0.6165	0.3404		0.0742	0.0627	0.2223	0.5154	1.0407	0.4149	0.1562	0.5364	0.0115	0.32917	0.53093
Nitrogen Dioxide	TM14	9	11	29	76	33	602	0.0021	0.009	0.1129	0.0963	0.4215	0.6349	0.352		0.0766	0.0648	0.2292	0.5314	1.0705	0.4288	0.1611	0.5543	0.0118	0.26529	0.42788
Nitrogen Dioxide	TM14	9	12	29	76	42	597	0.0019	0.0081	0.1002	0.0844	0.3749	0.5537	0.2948		0.0656	0.0547	0.1959	0.4542	0.9333	0.3608	0.1385	0.4661	0.0113	0.22031	0.35534
Nitrogen Dioxide	TM14	9	13	30	75	42	547	0.0018	0.0079	0.0988	0.0832	0.3674	0.5415	0.2889		0.0642	0.0536	0.192	0.4451	0.9145	0.3535	0.1357	0.4567	0.0108	0.22445	0.36202
Nitrogen Dioxide	TM14	9	14	29	75	42	503	0.0019	0.0082	0.1006	0.0847	0.377	0.5571	0.2965		0.066	0.055	0.197	0.4568	0.9386	0.3628	0.1392	0.4687	0.0114	0.22239	0.3587
Nitrogen Dioxide	TM14	9	15	29	77	41	581	0.0019	0.0081	0.101	0.0852	0.3772	0.5579	0.2983		0.0662	0.0553	0.1979	0.4588	0.9409	0.365	0.1397	0.4715	0.0112	0.22689	0.36595
Nitrogen Dioxide	TM14	9	16	29	76	44	595	0.0018	0.0079	0.0979	0.0823	0.3666	0.5394	0.285		0.0636	0.0533	0.1901	0.4407	0.909	0.3492	0.1346	0.451	0.0112	0.22592	0.36439
Nitrogen Dioxide	TM14	9	17	29	78	33	567	0.002	0.0088	0.112	0.0956	0.4168	0.6271	0.3481		0.0757	0.064	0.2266	0.5253	1.0585	0.424	0.1592	0.5458	0.0115	0.26295	0.42411
Nitrogen Dioxide	TM14	9	18	28	81	33	536	0.0021	0.0088	0.1127	0.0962	0.4209	0.6338	0.3515		0.0764	0.0642	0.2289	0.5307	1.0689	0.4281	0.1607	0.5535	0.0118	0.25332	0.40858
Nitrogen Dioxide	TM14	9	19	27	84	33	576	0.0021	0.0089	0.1135	0.0969	0.4253	0.641	0.3551		0.0773	0.0654	0.2312	0.5362	1.08	0.4326	0.1624	0.5592	0.012	0.24904	0.40167
Nitrogen Dioxide	TM14	9	20	27	86	34	414	0.002	0.0086	0.111	0.0947	0.415	0.6235	0.3439		0.075	0.0633	0.2246	0.5207	1.0514	0.4192	0.1578	0.5419	0.0117	0.15886	0.25622
Nitrogen Dioxide	TM14	9	21	27	87	34	385	0.002	0.0086	0.1107	0.0944	0.413	0.6201	0.3422		0.0746	0.0631	0.2234	0.5181	1.0461	0.4171	0.1572	0.5392	0.0116	0.15982	0.25777
Nitrogen Dioxide	TM14	9	22	27	89	50	152	0.0017	0.0071	0.0909	0.0776	0.3392	0.4932	0.256		0.0577	0.0479	0.1722	0.3991	0.8321	0.3146	0.1226	0.4056	0.0106	0.18286	0.29497
Nitrogen Dioxide	TM14	9	23	27	89	51	78	0.0016	0.0071	0.0901	0.0752	0.336	0.4877	0.2524		0.0569	0.0472	0.17	0.3939	0.8228	0.3104	0.1211	0.4029	0.0106	0.26173	0.42215
Nitrogen Dioxide	TM14	9	24	26	89	52	65	0.0017	0.0073	0.0909	0.0758	0.3418	0.4965	0.2556		0.0578	0.048	0.1723	0.3994	0.8356	0.3146	0.1229	0.4109	0.0112	0.28825	0.46492
Nitrogen Dioxide	TM14	10	1	24	74	52	28	0.002	0.0088	0.0976	0.0813	0.3791	0.5558	0.2835		0.0645	0.0535	0.1912	0.443	0.9268	0.3489	0.1364	0.4558	0.0138	0.27228	0.43915
Nitrogen Dioxide	TM14	10	2	23	74	53	17	0.0021	0.009	0.0979	0.0815	0.3819	0.5603	0.2844		0.0649	0.0537	0.1921	0.4449	0.9321	0.3502	0.1371	0.4604	0.0143	0.19404	0.31297
Nitrogen Dioxide	TM14	10	3	23	74	53	17	0.0021	0.009	0.0979	0.0815	0.3819	0.5603	0.2844		0.0649	0.0537	0.1921	0.4449	0.9321	0.3502	0.1371	0.4604	0.0143	0.19598	0.3161
Nitrogen Dioxide	TM14	10	4	23	75	53	15	0.0021	0.0089	0.0977	0.0813	0.3806	0.5582	0.2835		0.0642	0.0535	0.1914	0.4433	0.929	0.349	0.1366	0.4589	0.0142	0.23257	0.37511
Nitrogen Dioxide	TM14	10	5	23	74	53	17	0.0021	0.009	0.0979	0.0815	0.3819	0.5603	0.2844		0.0649	0.0537	0.1921	0.4449	0.9321	0.3502	0.1371	0.4604	0.0143	0.18517	0.29866
Nitrogen Dioxide	TM14	10	6	23	75	53	33	0.0021	0.0089	0.0977	0.0813	0.3806	0.5582	0.2835		0.0647	0.0535	0.1914	0.4433	0.929	0.349	0.1366	0.4589	0.0142	0.16067	0.25915
Nitrogen Dioxide	TM14	10	7	23	75	51	54	0.0021	0.009	0.0994	0.0829	0.3877	0.5704	0.2913		0.0663	0.0549	0.1963	0.4546	0.9494	0.3582	0.1398	0.4649	0.0142	0.17267	0.2785
Nitrogen Dioxide	TM14	10	8	23	72	35	158	0.0025	0.0108	0.1203	0.1025	0.4699	0.7137	0.3866		0.0852	0.0717	0.2532	0.5867	1.1876	0.4714	0.1779	0.6093	0.0155	0.09035	0.14573
Nitrogen Dioxide	TM14	10	9	24	69	34	426	0.0025	0.0108	0.1216	0.1038	0.4742	0.7209	0.3929		0.0863	0.0727	0.2567	0.5949	1.2012	0.4789	0.1803	0.6191	0.0153	0.36024	0.58103
Nitrogen Dioxide	TM14	10	10	25	64	34	500	0.0025	0.011	0.1239	0.1064	0.4836	0.7353	0.4041		0.0866	0.0731	0.2575	0.5994	1.2049	0.4804	0.1809	0.6214	0.0154	0.38449	0.62014
Nitrogen Dioxide	TM14	10	11	26	61	33	602	0.0026	0.0111	0.1235	0.1055	0.4809	0.7331	0.4016		0.088	0.0743	0.2616	0.6063	1.2213	0.4892	0.1837	0.6324	0.0154	0.30416	0.49058
Nitrogen Dioxide	TM14	10	12	27	60	42	597	0.0023	0.0099	0.1088	0.0916	0.4228	0.6312	0.3325		0.0744	0.062	0.2211	0.5123	1.0526	0.4069	0.1561	0.5257	0.0144	0.24959	0.40257
Nitrogen Dioxide	TM14	10	13	27	59	42	547	0.0023	0.01	0.1091	0.0918	0.4247	0.6342	0.3339		0.0748	0.0623	0.2221	0.5145	1.0572	0.4087	0.1568	0.528	0.0145	0.26085	0.42073
Nitrogen Dioxide	TM14	10	14	27	59	42	503	0.0023	0.01	0.1091	0.0918	0.4247	0.6342	0.3339		0.0748	0.0623	0.2221	0.5145	1.0572	0.4087	0.1568	0.528	0.0143	0.25148	0.40561
Nitrogen Dioxide	TM14	10	15	27	60	41	581	0.0023	0.01	0.1101	0.0928	0.4278	0.6399	0.3383		0.0756	0.063	0.2246	0.5204	1.0671	0.4139	0.1585	0.5347	0.0144	0.25837	0.41672
Nitrogen Dioxide	TM14	10	16	27	62	44	595	0.0022	0.0095	0.1057	0.0887	0.4098	0.609	0.3186		0.0716	0.0595	0.2126	0.4926	1.0162	0.3904	0.1504	0.5041	0.014	0.25359	0.40901
Nitrogen Dioxide	TM14	10	17	26	65	33	567	0.0025	0.0108	0.1221	0.1043	0.4731	0.72	0.395		0.0864	0.073	0.2573	0.5964	1.2013	0.4812	0.1807	0.622	0.0149	0.29988	0.4837
Nitrogen Dioxide	TM14	10	18	25	67	33	536	0.0025	0.0109	0.1228	0.1049	0.4771	0.7266	0.3984		0.0872	0.0736	0.2595	0.6014	1.2115	0.4852	0.1822	0.6273	0.0151	0.28832	0.46504
Nitrogen Dioxide	TM14	10	19	25	69	33	576	0.0025	0.0107	0.1221	0.1043	0.4734	0.7205	0.3953		0.0865	0.0731	0.2575	0.5968	1.2021	0.4815	0.1808	0.6225	0.0149	0.27804	0.44845
Nitrogen Dioxide	TM14	10	20	25	71	34	414	0.0024	0.0104	0.1196	0.102	0.4629	0.7024	0.3836		0.0842	0.0709	0.2506	0.5807	1.1726	0.4675	0.176	0.6044	0.0146	0.1768	0.28516
Nitrogen Dioxide	TM14	10	21	24	71	34	385	0.0025	0.0107	0.1211	0.1032	0.4708	0.7153	0.3901		0.0857	0.0722	0.2549	0.5906	1.1925	0.4755	0.1791	0.6146	0.0151	0.18147	0.2927
Nitrogen Dioxide	TM14	10	22	24	71	50	152	0.0021	0.0091	0.1002	0.0836	0.3906	0.575	0.2947		0.0669	0.0555	0.1983	0.4595	0.958	0.3623	0.1411	0.4671	0.0141	0.22299	0.35966
Nitrogen Dioxide	TM14	10	23	24	72	51	78	0.0021	0.009	0.099	0.0825	0.3855	0.5664	0.2896		0.0658	0.0545	0.1951	0.4519	0.9439	0.3561	0.139	0.4622	0.014	0.30004	0.48393
Nitrogen Dioxide	TM14	10	24	24	72	52	65	0.002	0.0089	0.0981	0.0817	0.3819	0.5602	0.2856		0.065	0.0539	0.1927	0.4463	0.9336	0.3515	0.1374	0.4591	0.0139	0.32208	0.51948
Nitrogen Dioxide	TM14	11	1	21	75	52	28	0.0022	0.0094	0.1007	0.0838	0.3959	0.5842	0.2961		0.0677	0.056	0.1998	0.4627	0.9679	0.3644	0.1424	0.476	0.0153	0.28436	0.45865
Nitrogen Dioxide	TM14	11	2	21	74	53	17	0.0022	0.0094	0.1	0.0832	0.3934	0.5797	0.293		0.0671	0.0555	0.1979	0.4583	0.9603	0.3608	0.1412	0.4743	0.0153	0.19976	0.3222
Nitrogen Dioxide	TM14	11	3	21	74	53	17	0.0022	0.0094	0.1	0.0832	0.3934	0.5797	0.293		0.0671	0.0555	0.1979	0.4583	0.9603	0.3608	0.1412	0.4743	0.0153	0.12532	0.2017
Nitrogen Dioxide	TM14	11	4	21	74	53	15	0.0022	0.0094	0.1	0.0832	0.3934	0.5797	0.293		0.0671	0.0555	0.1979	0.4583	0.9603	0.3608	0.1412	0.4743	0.0153	0.24023	0.38746
Nitrogen Dioxide	TM14	11	5	21	74	53	17	0.0022	0.0094	0.1	0.0832	0.3934	0.5797	0.293		0.0671	0.0555	0.1979	0.4583	0.9603	0.3608	0.1412	0.4743	0.0153	0.19062	0.30746
Nitrogen Dioxide	TM14	11	6	21	73	53	33	0.0022	0.0095	0.1002	0.0833	0.3946	0.5816	0.2939		0.0673	0.0556	0.1985	0.4596	0.9631	0.3618	0.1416	0.4757	0.0154	0.16629	0.26821
Nitrogen Dioxide	TM14	11	7	21	73	53	54	0.0022	0.0096	0.1002	0.085	0.4019	0.5943	0.3019		0.0689	0.057	0.2035	0.4713	0.9843	0.3714	0.1449	0.482	0.0155	0.17887	0.2885
Nitrogen Dioxide	TM14	11	8	21	73	35	158	0.0026	0.0113	0.1233	0.1051	0.4864	0.7425	0.4001		0.0884	0.0745	0.2622	0.6073	1.2292	0.4879	0.1842	0.6307	0.0168	0.09056	0.15091
Nitrogen Dioxide	TM14	11	9	22	66	34	426	0.0027	0.0115	0.125	0.1066	0.4928	0.7531	0.4083		0.0899	0.0758	0.2668	0.6182	1.2483	0.4977	0.1874	0.6434	0.0167	0.37571	0.60598
Nitrogen Dioxide	TM14	11	10	23	61	34	500	0.0027	0.0116	0.1252	0.1069	0.4942	0.7547	0.4096		0.0902	0.076	0.2676	0.62	1.252	0.4992	0.1879	0.6453	0.0166	0.40067	0.64623
Nitrogen Dioxide	TM14	11	11	25	57	33	602	0.0027	0.0116	0.1261	0.1077	0.4955	0.7571	0.4138		0.0908	0.0766	0.2696	0.6247	1.2583	0.504	0.1892	0.6516	0.0162	0.31369	0.50596
Nitrogen Dioxide	TM14	11	12	25	56	42	597	0.0024	0.0105	0.1122	0.0945	0.4424	0.6629	0.3478		0.078	0.065	0.2313	0.5359	1.1012	0.4257	0.1634	0.5499	0.0156	0.26151	0.42179
Nitrogen Dioxide	TM14	11	13	25	56	42	547	0.0024	0.0105	0.1122	0.0945	0.4424	0.6629	0.3478		0.078	0.065	0.2313	0.5359	1.1012	0.4257	0.1634	0.5499	0.0156	0.27207	0.43882
Nitrogen Dioxide	TM14	11	14	26	56	42	503	0.0024	0.0103	0.1112	0.0936	0.4365	0.6533	0.3432		0.077	0.0641	0.2283	0.5288	1.0865	0.4202	0.1612	0.5426	0.0153	0.25867	0.41721
Nitrogen Dioxide	TM14	11	15	26	57	41	581	0.0024	0.0104	0.1122	0.0946	0.4398	0.6594	0.3479		0.0778	0.0648	0.2309	0.535	1.0971	0.4255	0.1629	0.5498	0.0152	0.26584	0.42878
Nitrogen Dioxide	TM14	11	16	25	58	44	595	0.0023	0.0102	0.1091	0.0917	0.4293	0.6405	0.3338		0.0752	0.0625	0.2228	0.5161	1.0646	0.409	0.1576	0.5282	0.0153	0.26607	0.42915
Nitrogen Dioxide	TM14	11	17	24	63	33	567	0.0026	0.0114	0.1253	0.1071	0.4915	0.7505	0.4104		0.09	0.076	0.2674	0.6197	1.2482	0.4999	0.1877	0.6463	0.016	0.31198	0.5032
Nitrogen Dioxide	TM14	11	18	23	66	33	536	0.0026	0.0114	0.1257	0.1074	0.4933	0.7542	0.4119		0.0904	0.0763	0.2684	0.622	1.2528	0.5018	0.1884	0.6487	0.0162	0.29859	0.4816
Nitrogen Dioxide	TM14	11	19	23	70	33	576	0.0026	0.0112	0.1245	0.1064	0.4884	0.7463	0.4065		0.0895	0.0753	0.2649	0.6138	1.2363	0.4952	0.1859	0.6402	0.0158	0.28582	0.46172
Nitrogen Dioxide	TM14	11	20	22	70	34	414	0.0026	0.0113	0.1239	0.1057	0.4868	0.7431	0.4034		0.0888	0.0748	0.2636	0.6107	1.2331	0.4916	0.1851	0.6355	0.0163	0.18578	0.29965
Nitrogen Dioxide	TM14	11	21	22	72	34	385	0.0026	0.0112	0.1234	0.1052	0.4832	0.7382	0.4009		0.0882	0.0743	0.2619	0.6069	1.2254	0.4886	0.1839	0.6316	0.0161	0.18637	0.3006
Nitrogen Dioxide	TM14	11	22	22	74	50	152	0.0022	0.0094	0.1017	0.0848	0.3988	0.5893	0.301		0.0685	0.0567	0.2026	0.4692	0.9784	0.37	0.1441	0.477	0.0149	0.2277	0.36725
Nitrogen Dioxide	TM14	11	23	22	74	51	78	0.0021	0.0093	0.1007	0.084	0.3951	0.5827	0.2968		0.0676	0.056	0.2	0.4632	0.9674	0.365	0.1424	0.4737	0.0149	0.30748	0.49594
Nitrogen Dioxide	TM14	11	24	21	74	52	65	0.0022	0.0095	0.1009	0.084	0.397	0.586	0.297		0.0679	0.0562	0.2004	0.464	0.9707	0.3654	0.1428	0.4774	0.0154	0.33492	0.54019
Nitrogen Dioxide	TM14	12	1	16	68	52	28	0.0026	0.0113	0.1064	0.0882	0.4258	0.6354	0.3185		0.0731	0.0606	0.2151	0.4976	1.041	0.3919	0.1532	0.5119	0.0182	0.30588	0.49336
Nitrogen Dioxide	TM14	12	2	16	69	53	17	0.0026	0.0112	0.1053	0.0873	0.4211	0.6273	0.3136		0.0722	0.0597	0.2119	0.4905	1.0278	0.3861	0.1511	0.5077	0.0181	0.21363	0.34456
Nitrogen Dioxide	TM14	12	3	16	69	53	17	0.0026	0.0112	0.1053	0.0873	0.4211	0.6273	0.3136		0.0722	0.0597	0.2119	0.4905	1.0278	0.3861	0.1511	0.5077	0.0181	0.21558	0.3477
Nitrogen Dioxide	TM14	12	4	15	70	53	15	0.0026	0.0115	0.1059	0.0877	0.424	0.6326	0.3158		0.0728	0.0602	0.2134	0.4939	1.0348	0.3888	0.1522	0.5111	0.0185	0.25862	0.41713
Nitrogen Dioxide	TM14	12	5	15	70	53	17	0.0026	0.0115	0.1059	0.0877	0.424	0.6326	0.3158		0.0728	0.0602	0.2134	0.4939	1.0348	0.3888	0.1522	0.5111	0.0185	0.20531	0.33114
Nitrogen Dioxide	TM14	12	6	15	70	53	33	0.0026	0.0115	0.1059	0.0877	0.424	0.6326	0.3158		0.0728	0.0602	0.2134	0.4939	1.0348	0.3888	0.1522	0.5111	0.0185	0.17835	0.28766
Nitrogen Dioxide	TM14	12	7	15	70	51	54	0.0027	0.0117	0.1078	0.0894	0.4319	0.6495	0.3244		0.0742	0.0617	0.2188	0.5064	1.0576	0.399	0.1557	0.5179	0.0186	0.19218	0.30997
Nitrogen Dioxide	TM14	12	8	15	69	35	158	0.0031	0.0138	0.1296	0.11	0.5191	0.802	0.427		0.095	0.0798	0.2799	0.6482	1.3119	0.5207	0.1966	0.6731	0.0198	0.10044	0.162
Nitrogen Dioxide	TM14	12	9	16	65	34	426	0.0031	0.0137	0.1313	0.1118	0.526	0.8136	0.4359		0.0966	0.0813	0.285	0.6599	1.3326	0.5313	0.2	0.6868	0.0197	0.40453	0.65247
Nitrogen D

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:

(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.

(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Dioxide	TM15	2	20	18	78	45	22	0.0025	0.0108	0.1104	0.0925	0.4379	0.6576	0.3386		0.0767	0.0637	0.2264	0.5244	1.0837	0.4151	0.1602	0.5359	0.0169	0.12006	0.19364
Nitrogen Dioxide	TM15	2	21	18	78	45	12	0.0025	0.0108	0.1104	0.0925	0.4379	0.6576	0.3386		0.0767	0.0637	0.2264	0.5244	1.0837	0.4151	0.1602	0.5359	0.0169	0.17709	0.28563
Nitrogen Dioxide	TM15	2	22	18	78	45	5	0.0025	0.0108	0.1104	0.0925	0.4379	0.6576	0.3386		0.0767	0.0637	0.2264	0.5244	1.0837	0.4151	0.1602	0.5359	0.0169	0.13082	0.211
Nitrogen Dioxide	TM15	2	23	18	78	45	10	0.0025	0.0108	0.1104	0.0925	0.4379	0.6576	0.3386		0.0767	0.0637	0.2264	0.5244	1.0837	0.4151	0.1602	0.5359	0.0169	0.12724	0.20519
Nitrogen Dioxide	TM15	2	24	18	78	45	4	0.0025	0.0108	0.1104	0.0925	0.4379	0.6576	0.3386		0.0767	0.0637	0.2264	0.5244	1.0837	0.4151	0.1602	0.5359	0.0169	0.15635	0.25218
Nitrogen Dioxide	TM15	3	1	21	86	45	5	0.0022	0.0095	0.1054	0.0885	0.4109	0.612	0.3178		0.0717	0.0595	0.2124	0.4921	1.017	0.3896	0.1504	0.503	0.0147	0.0243	0.03919
Nitrogen Dioxide	TM15	3	2	20	87	45	2	0.0022	0.0097	0.1064	0.0893	0.4164	0.6215	0.322		0.0727	0.0604	0.2153	0.4987	1.0306	0.3948	0.1524	0.5097	0.0152	0.0543	0.08758
Nitrogen Dioxide	TM15	3	3	20	87	45	2	0.0022	0.0097	0.1064	0.0893	0.4164	0.6215	0.322		0.0727	0.0604	0.2153	0.4987	1.0306	0.3948	0.1524	0.5097	0.0152	0.00595	0.0096
Nitrogen Dioxide	TM15	3	4	20	87	45	2	0.0022	0.0097	0.1064	0.0893	0.4164	0.6215	0.322		0.0727	0.0604	0.2153	0.4987	1.0306	0.3948	0.1524	0.5097	0.0152	0.0543	0.08758
Nitrogen Dioxide	TM15	3	5	20	87	45	0	0.0022	0.0097	0.1064	0.0893	0.4164	0.6215	0.322		0.0727	0.0604	0.2153	0.4987	1.0306	0.3948	0.1524	0.5097	0.0152	0	0
Nitrogen Dioxide	TM15	3	6	20	87	45	3	0.0022	0.0097	0.1064	0.0893	0.4164	0.6215	0.322		0.0727	0.0604	0.2153	0.4987	1.0306	0.3948	0.1524	0.5097	0.0152	0.03693	0.05957
Nitrogen Dioxide	TM15	3	7	20	87	45	19	0.0022	0.0097	0.1064	0.0893	0.4164	0.6215	0.322		0.0727	0.0604	0.2153	0.4987	1.0306	0.3948	0.1524	0.5097	0.0152	0.12203	0.19683
Nitrogen Dioxide	TM15	3	8	20	86	45	46	0.0022	0.0098	0.1066	0.0895	0.4176	0.6234	0.3229		0.0729	0.0606	0.2159	0.5001	1.0335	0.3959	0.1528	0.5111	0.0153	0.17053	0.27504
Nitrogen Dioxide	TM15	3	9	21	83	45	114	0.0022	0.0096	0.1061	0.089	0.4146	0.618	0.3206		0.0723	0.0601	0.2143	0.4965	1.0261	0.3931	0.1517	0.5075	0.0149	0.25206	0.40655
Nitrogen Dioxide	TM15	3	10	22	79	45	125	0.0022	0.0096	0.1058	0.0888	0.4131	0.6148	0.3194		0.072	0.0598	0.2135	0.4947	1.0223	0.3916	0.1512	0.5056	0.0147	0.25553	0.41214
Nitrogen Dioxide	TM15	3	11	22	78	45	58	0.0022	0.0096	0.106	0.089	0.4144	0.6169	0.3205		0.0723	0.06	0.2142	0.4962	1.0256	0.3929	0.1517	0.5072	0.0148	0.31881	0.51421
Nitrogen Dioxide	TM15	3	12	23	77	45	50	0.0022	0.0094	0.1051	0.0882	0.409	0.6077	0.3163		0.0713	0.0592	0.2114	0.4898	1.0123	0.3878	0.1497	0.5006	0.0143	0.30062	0.48487
Nitrogen Dioxide	TM15	3	13	23	77	45	53	0.0022	0.0094	0.1051	0.0882	0.409	0.6077	0.3163		0.0713	0.0592	0.2114	0.4898	1.0123	0.3878	0.1497	0.5006	0.0143	0.32635	0.52637
Nitrogen Dioxide	TM15	3	14	23	77	45	49	0.0022	0.0094	0.1051	0.0882	0.409	0.6077	0.3163		0.0713	0.0592	0.2114	0.4898	1.0123	0.3878	0.1497	0.5006	0.0143	0.32203	0.5194
Nitrogen Dioxide	TM15	3	15	23	76	45	56	0.0022	0.0095	0.1053	0.0884	0.4104	0.61	0.3174		0.0715	0.0594	0.2122	0.4915	1.0158	0.3891	0.1502	0.5024	0.0144	0.34121	0.55034
Nitrogen Dioxide	TM15	3	16	23	77	45	56	0.0022	0.0094	0.1051	0.0882	0.409	0.6077	0.3163		0.0713	0.0592	0.2114	0.4898	1.0123	0.3878	0.1497	0.5006	0.0143	0.31279	0.51276
Nitrogen Dioxide	TM15	3	17	22	79	45	56	0.0022	0.0096	0.1058	0.0888	0.4131	0.6148	0.3194		0.072	0.0598	0.2135	0.4947	1.0223	0.3916	0.1512	0.5056	0.0147	0.3213	0.51823
Nitrogen Dioxide	TM15	3	18	22	82	45	54	0.0022	0.0094	0.1051	0.0882	0.4091	0.6085	0.3164		0.0713	0.0592	0.2115	0.49	1.0126	0.3879	0.1497	0.5008	0.0144	0.33575	0.54154
Nitrogen Dioxide	TM15	3	19	21	84	45	54	0.0022	0.0096	0.1058	0.0889	0.4134	0.616	0.3197		0.0721	0.0599	0.2137	0.495	1.0231	0.3919	0.1513	0.506	0.0149	0.31635	0.51024
Nitrogen Dioxide	TM15	3	20	21	85	45	22	0.0022	0.0095	0.1056	0.0887	0.4122	0.614	0.3187		0.0719	0.0597	0.2131	0.4936	1.02	0.3907	0.1508	0.5045	0.0148	0.11317	0.18253
Nitrogen Dioxide	TM15	3	21	21	86	45	12	0.0022	0.0095	0.1054	0.0885	0.4109	0.612	0.3178		0.0717	0.0595	0.2124	0.4921	1.017	0.3896	0.1504	0.503	0.0147	0.16528	0.26657
Nitrogen Dioxide	TM15	3	22	21	86	45	5	0.0022	0.0095	0.1054	0.0885	0.4109	0.612	0.3178		0.0717	0.0595	0.2124	0.4921	1.017	0.3896	0.1504	0.503	0.0147	0.12333	0.19887
Nitrogen Dioxide	TM15	3	23	21	85	45	10	0.0022	0.0095	0.1056	0.0887	0.4122	0.614	0.3187		0.0719	0.0597	0.2131	0.4936	1.02	0.3907	0.1508	0.5045	0.0148	0.07452	0.12019
Nitrogen Dioxide	TM15	3	24	21	86	45	4	0.0022	0.0095	0.1054	0.0885	0.4109	0.612	0.3178		0.0717	0.0595	0.2124	0.4921	1.017	0.3896	0.1504	0.503	0.0147	0.14752	0.23794
Nitrogen Dioxide	TM15	4	1	20	83	45	5	0.0023	0.0099	0.1072	0.09	0.421	0.629	0.3256		0.0736	0.0611	0.2177	0.5042	1.042	0.3992	0.1541	0.5153	0.0155	0.0248	0.04
Nitrogen Dioxide	TM15	4	2	20	85	45	2	0.0023	0.0098	0.1068	0.0897	0.4187	0.6252	0.3238		0.0731	0.0608	0.2165	0.5014	1.0363	0.397	0.1532	0.5125	0.0153	0.05455	0.08798
Nitrogen Dioxide	TM15	4	3	20	84	45	2	0.0023	0.0099	0.1077	0.0898	0.4199	0.6271	0.3247		0.0733	0.0609	0.2171	0.5028	1.0392	0.3981	0.1537	0.5139	0.0154	0.0061	0.00984
Nitrogen Dioxide	TM15	4	4	20	85	45	2	0.0023	0.0098	0.1068	0.0897	0.4187	0.6252	0.3238		0.0731	0.0608	0.2165	0.5014	1.0363	0.397	0.1532	0.5125	0.0153	0.05455	0.08798
Nitrogen Dioxide	TM15	4	5	19	84	45	0	0.0023	0.0102	0.1081	0.0908	0.426	0.6377	0.3295		0.0745	0.0619	0.2203	0.5102	1.0543	0.4039	0.1559	0.5214	0.016	0	0
Nitrogen Dioxide	TM15	4	6	19	84	45	3	0.0023	0.0102	0.1081	0.0908	0.426	0.6377	0.3295		0.0745	0.0619	0.2203	0.5102	1.0543	0.4039	0.1559	0.5214	0.016	0.03757	0.06059
Nitrogen Dioxide	TM15	4	7	20	84	45	19	0.0023	0.0099	0.107	0.0898	0.4199	0.6271	0.3247		0.0733	0.0609	0.2171	0.5028	1.0392	0.3981	0.1537	0.5139	0.0154	0.12305	0.19847
Nitrogen Dioxide	TM15	4	8	21	79	45	46	0.0023	0.0098	0.107	0.0898	0.4195	0.6259	0.3245		0.0732	0.0608	0.2169	0.5024	1.0383	0.3977	0.1535	0.5135	0.0153	0.1713	0.27628
Nitrogen Dioxide	TM15	4	9	21	73	45	114	0.0023	0.0099	0.1072	0.09	0.4209	0.6275	0.3255		0.0735	0.061	0.2176	0.5041	1.0418	0.3991	0.1541	0.5152	0.0154	0.25986	0.41268
Nitrogen Dioxide	TM15	4	10	23	69	45	125	0.0023	0.0098	0.1071	0.0899	0.4202	0.6257	0.325		0.0733	0.0609	0.2172	0.5032	1.04	0.3984	0.1538	0.5143	0.0151	0.25993	0.41924
Nitrogen Dioxide	TM15	4	11	23	68	45	58	0.0023	0.0099	0.1073	0.0901	0.4216	0.628	0.3261		0.0736	0.0611	0.218	0.5049	1.0435	0.3997	0.1543	0.5161	0.0151	0.32442	0.52326
Nitrogen Dioxide	TM15	4	12	24	66	45	50	0.0023	0.0098	0.1067	0.0896	0.4184	0.6222	0.3236		0.0729	0.0606	0.2163	0.501	1.0354	0.3966	0.1531	0.5121	0.0148	0.30756	0.49607
Nitrogen Dioxide	TM15	4	13	24	65	45	53	0.0023	0.0099	0.107	0.0898	0.4199	0.6246	0.3247		0.0732	0.0608	0.217	0.5028	1.0391	0.3981	0.1537	0.5139	0.0149	0.33514	0.54054
Nitrogen Dioxide	TM15	4	14	24	66	45	49	0.0023	0.0098	0.1067	0.0896	0.4184	0.6222	0.3236		0.0729	0.0606	0.2163	0.501	1.0354	0.3966	0.1531	0.5121	0.0148	0.32953	0.5315
Nitrogen Dioxide	TM15	4	15	24	66	45	56	0.0023	0.0098	0.1067	0.0896	0.4184	0.6222	0.3236		0.0729	0.0606	0.2163	0.501	1.0354	0.3966	0.1531	0.5121	0.0148	0.34741	0.56013
Nitrogen Dioxide	TM15	4	16	24	67	45	56	0.0022	0.0097	0.1065	0.0894	0.4169	0.6198	0.3224		0.0727	0.0604	0.2155	0.4992	1.0317	0.3952	0.1526	0.5103	0.0147	0.32406	0.52268
Nitrogen Dioxide	TM15	4	17	23	69	45	56	0.0023	0.0098	0.1071	0.0899	0.4202	0.6257	0.325		0.0733	0.0609	0.2172	0.5032	1.04	0.3984	0.1538	0.5143	0.0151	0.32689	0.52725
Nitrogen Dioxide	TM15	4	18	22	74	45	54	0.0023	0.0098	0.107	0.0898	0.4196	0.6254	0.3245		0.0732	0.0608	0.2169	0.5025	1.0385	0.3978	0.1536	0.5136	0.0151	0.34467	0.55593
Nitrogen Dioxide	TM15	4	19	22	76	45	54	0.0022	0.0097	0.1065	0.0894	0.417	0.6212	0.3225		0.0727	0.0604	0.2156	0.4994	1.0321	0.3953	0.1526	0.5104	0.015	0.31903	0.51456
Nitrogen Dioxide	TM15	4	20	21	79	45	23	0.0022	0.0098	0.107	0.0898	0.4195	0.6259	0.3245		0.0732	0.0608	0.2169	0.5024	1.0383	0.3977	0.1535	0.5135	0.0153	0.11512	0.18567
Nitrogen Dioxide	TM15	4	21	21	80	45	12	0.0022	0.0098	0.1067	0.0896	0.4183	0.6239	0.3235		0.073	0.0607	0.2163	0.5009	1.0353	0.3966	0.1531	0.512	0.0152	0.16837	0.27156
Nitrogen Dioxide	TM15	4	22	21	81	45	5	0.0022	0.0097	0.1065	0.0894	0.4171	0.6219	0.3225		0.0728	0.0605	0.2156	0.4995	1.0322	0.3954	0.1526	0.5105	0.0151	0.12498	0.20158
Nitrogen Dioxide	TM15	4	23	21	82	45	10	0.0022	0.0097	0.1063	0.0892	0.4158	0.6199	0.3216		0.0726	0.0603	0.215	0.498	1.0292	0.3942	0.1522	0.509	0.015	0.07511	0.12115
Nitrogen Dioxide	TM15	4	24	20	82	45	4	0.0023	0.0099	0.1074	0.0902	0.4222	0.6308	0.3265		0.0738	0.0613	0.2183	0.5056	1.0449	0.4003	0.1545	0.5168	0.0156	0.15122	0.24391
Nitrogen Dioxide	TM15	5	1	26	91	45	5	0.0018	0.0076	0.0968	0.0813	0.3631	0.5332	0.2808		0.0628	0.0523	0.1876	0.4348	0.8985	0.3442	0.1329	0.4444	0.0112	0.02196	0.03542
Nitrogen Dioxide	TM15	5	2	25	92	45	2	0.0018	0.0079	0.0982	0.0825	0.3707	0.5456	0.2867		0.0642	0.0534	0.1915	0.444	0.9175	0.3515	0.1357	0.4538	0.0117	0.005	0.00805
Nitrogen Dioxide	TM15	5	3	25	92	45	2	0.0018	0.0079	0.0982	0.0825	0.3707	0.5456	0.2867		0.0642	0.0534	0.1915	0.444	0.9175	0.3515	0.1357	0.4538	0.0117	0.00485	0.00782
Nitrogen Dioxide	TM15	5	4	25	91	45	2	0.0018	0.008	0.0984	0.0827	0.3723	0.5481	0.2879		0.0645	0.0537	0.1924	0.4459	0.9215	0.353	0.1363	0.4557	0.0118	0.0501	0.08081
Nitrogen Dioxide	TM15	5	5	25	92	45	0	0.0018	0.0079	0.0982	0.0825	0.3707	0.5456	0.2867		0.0642	0.0534	0.1915	0.444	0.9175	0.3515	0.1357	0.4538	0.0117	0	0
Nitrogen Dioxide	TM15	5	6	25	93	45	5	0.0018	0.0078	0.0979	0.0822	0.3691	0.543	0.2855		0.0639	0.0532	0.1907	0.4421	0.9136	0.35	0.1351	0.4518	0.0116	0.03383	0.05457
Nitrogen Dioxide	TM15	5	7	26	91	45	19	0.0018	0.0076	0.0968	0.0813	0.3631	0.5332	0.2808		0.0628	0.0523	0.1876	0.4348	0.8985	0.3442	0.1329	0.4444	0.0112	0.10677	0.17221
Nitrogen Dioxide	TM15	5	8	26	91	45	46	0.0018	0.0076	0.0974	0.0817	0.3641	0.5349	0.2816		0.063	0.0524	0.1881	0.4359	0.9009	0.3451	0.1332	0.4456	0.0113	0.14905	0.2404
Nitrogen Dioxide	TM15	5	9	28	80	45	114	0.0018	0.0078	0.0971	0.0815	0.364	0.5348	0.2815		0.063	0.0524	0.1881	0.4359	0.9009	0.3451	0.1332	0.4456	0.0113	0.22069	0.35596
Nitrogen Dioxide	TM15	5	10	28	78	45	125	0.0018	0.008	0.0977	0.082	0.3678	0.5409	0.2845		0.0637	0.053	0.19	0.4405	0.9104	0.3487	0.1346	0.4502	0.0115	0.22695	0.36605
Nitrogen Dioxide	TM15	5	11	29	77	45	58	0.0018	0.0078	0.0965	0.081	0.3606	0.5293	0.2789		0.0624	0.0519	0.1863	0.4319	0.8925	0.3419	0.132	0.4414	0.011	0.27576	0.44477
Nitrogen Dioxide	TM15	5	12	29	75	45	50	0.0018	0.008	0.0972	0.0816	0.3647	0.5358	0.282		0.0631	0.0525	0.1884	0.4367	0.9025	0.3457	0.1335	0.4464	0.0113	0.26703	0.43069
Nitrogen Dioxide	TM15	5	13	29	74	45	53	0.0019	0.008	0.0976	0.0819	0.3667	0.5391	0.2836		0.0635	0.0528	0.1894	0.4391	0.9076	0.3477	0.1342	0.4488	0.0114	0.29134	0.4699
Nitrogen Dioxide	TM15	5	14	29	74	45	49	0.0018	0.008	0.0972	0.0816	0.3647	0.5358	0.282		0.0631	0.0525	0.1884	0.4367	0.9025	0.3457	0.1335	0.4464	0.0113	0.28566	0.46073
Nitrogen Dioxide	TM15	5	15	29	75	45	56	0.0018	0.008	0.0972	0.0816	0.3647	0.5358	0.282		0.0631	0.0525	0.1884	0.4367	0.9025	0.3457	0.1335	0.4464	0.0113	0.30159	0.48643
Nitrogen Dioxide	TM15	5	16	29	77	45	56	0.0018	0.0078	0.0965	0.081	0.3606	0.5293	0.2789		0.0624	0.0519	0.1863	0.4319	0.8925	0.3419	0.132	0.4414	0.011	0.279	0.45
Nitrogen Dioxide	TM15	5	17	28	78	45	56	0.0018	0.008	0.0977	0.082	0.3678	0.5409	0.2845		0.0637	0.053	0.19	0.4405	0.9104	0.3487	0.1346	0.4502	0.0115	0.28476	0.45929
Nitrogen Dioxide	TM15	5	18	28	81	45	54	0.0018	0.0077	0.0967	0.0812	0.3621	0.5317	0.28		0.0626	0.0521	0.1871	0.4336	0.8962	0.3433	0.1325	0.4432	0.0111	0.29543	0.4765
Nitrogen Dioxide	TM15	5	19	28	81	45	54	0.0018	0.0078	0.0973	0.0817	0.3659	0.5378	0.2829		0.0633	0.0527	0.189	0.4381	0.9055	0.3469	0.1339	0.4478	0.0114	0.27947	0.44914
Nitrogen Dioxide	TM15	5	20	27	87	45	22	0.0018	0.0076	0.0964	0.0809	0.3605	0.5291	0.2788		0.0623	0.0519	0.1862	0.4317	0.8921	0.3418	0.1319	0.4412	0.011	0.09964	0.1607
Nitrogen Dioxide	TM15	5	21	27	88	45	12	0.0017	0.0075	0.096	0.0807	0.3587	0.5262	0.2774		0.062	0.0516	0.1853	0.4295	0.8877	0.34	0.1313	0.439	0.0109	0.1429	0.23048
Nitrogen Dioxide	TM15	5	22	26	89	45	5	0.0018	0.0078	0.0974	0.0818	0.3664	0.5387	0.2834		0.0634	0.0528	0.1893	0.4388	0.9069	0.3474	0.1341	0.4485	0.0114	0.11104	0.1791
Nitrogen Dioxide	TM15	5	23	26	89	45	10	0.0018	0.0078	0.0974	0.0818	0.3664	0.5387	0.2834		0.0634	0.0528	0.1893	0.4388	0.9069	0.3474	0.1341	0.4485	0.0114	0.06694	0.10797
Nitrogen Dioxide	TM15	5	24	26	90	45	4	0.0018	0.0077	0.0971	0.0816	0.3647	0.536	0.2821		0.0631	0.0525	0.1884	0.4368	0.9027	0.3458	0.1333	0.4469	0.0113	0.13243	0.21359
Nitrogen Dioxide	TM15	6	1	28	88	45	5	0.0017	0.0072	0.0943	0.0792	0.3488	0.5102	0.2697		0.0602	0.0501	0.1801	0.4176	0.8631	0.3306	0.1276	0.4269	0.0102	0.02132	0.03439
Nitrogen Dioxide	TM15	6	2	27	89	45	2	0.0017	0.0074	0.0957	0.0804	0.3569	0.5233	0.276		0.0617	0.0513	0.1844	0.4274	0.8833	0.3383	0.1306	0.4368	0.0108	0.0487	0.07855
Nitrogen Dioxide	TM15	6	3	27	89	45	2	0.0017	0.0074	0.0957	0.0804	0.3569	0.5233	0.276		0.0617	0.0513	0.1844	0.4274	0.8833	0.3383	0.1306	0.4368	0.0108	0.00455	0.00734
Nitrogen Dioxide	TM15	6	4	27	88	45	2	0.0017	0.0075	0.096	0.0807	0.3587	0.5262	0.2774		0.062	0.0516	0.1853	0.4295	0.8877	0.34	0.1313	0.439	0.0109	0.04885	0.07879
Nitrogen Dioxide	TM15	6	5	27	89	45	0	0.0017	0.0074	0.0957	0.0804	0.3569	0.5233	0.276		0.0617	0.0513	0.1844	0.4274	0.8833	0.3383	0.1306	0.4368	0.0108	0	0
Nitrogen Dioxide	TM15	6	6	27	87	45	3	0.0017	0.0074	0.0954	0.0801	0.3551	0.5204	0.2746		0.0613	0.0511	0.1834	0.4252	0.8788	0.3366	0.13	0.4346	0.0107	0.03293	0.05312
Nitrogen Dioxide	TM15	6	7	28	87	45	19	0.0017	0.0073	0.0946	0.0795	0.3507	0.5133	0.2712		0.0605	0.0504	0.1811	0.4199	0.8679	0.3324	0.1283	0.4292	0.0104	0.10329	0.1666
Nitrogen Dioxide	TM15	6	8	29	82	45	46	0.0017	0.0074	0.0946	0.0794	0.3505	0.513	0.271		0.0605	0.0504	0.181	0.4197	0.8674	0.3323	0.1283	0.429	0.0104	0.14366	0.23171
Nitrogen Dioxide	TM15	6	9	29	79	45	114	0.0018	0.0076	0.0957	0.0804	0.3566	0.5228	0.2758		0.0616	0.0513	0.1842	0.427	0.8825	0.338	0.1305	0.4364	0.0108	0.21614	0.34861
Nitrogen Dioxide	TM15	6	10	30	76	45	125	0.0018	0.0076	0.0952	0.0798	0.3532	0.5174	0.2731		0.061	0.0508	0.1824	0.423	0.8741	0.3348	0.1293	0.4323	0.0105	0.21781	0.3513
Nitrogen Dioxide	TM15	6	11	30	75	45	58	0.0018	0.0077	0.0956	0.0802	0.3553	0.5208	0.2748		0.0614	0.0511	0.1835	0.4255	0.8794	0.3369	0.133	0.4349	0.0107	0.27157	0.43801
Nitrogen Dioxide	TM15	6	12	30	74	45	50	0.0018	0.0078	0.096	0.0805	0.3575	0.5243	0.2765		0.0618	0.0514	0.1847	0.4281	0.8848	0.3389	0.1308	0.4376	0.0108	0.26165	0.42202
Nitrogen Dioxide	TM15	6	13	31	73	45	53	0.0018	0.0076	0.0947	0.0794	0.3501	0.5124	0.2708		0.0604	0.0503	0.1808	0.4193	0.8665	0.3319	0.1281	0.4285	0.0103	0.27768	0.44787
Nitrogen Dioxide	TM15	6	14	31	72	45	49	0.0018	0.0077	0.0951	0.0797	0.3524	0.5161	0.2725		0.0609	0.0507	0.182	0.422	0.8721	0.3341	0.129	0.4313	0.0105	0.27567	0.44463
Nitrogen Dioxide	TM

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:

(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.

(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Dioxide	TM15	9	1	27	89	45	5	0.0017	0.0074	0.0957	0.0804	0.3569	0.5233	0.276		0.0617	0.0513	0.1844	0.4274	0.8833	0.3383	0.1306	0.4368	0.0108	0.02164	0.0349
Nitrogen Dioxide	TM15	9	2	26	89	45	2	0.0018	0.0078	0.0974	0.0818	0.3664	0.5387	0.2834		0.0634	0.0528	0.1893	0.4388	0.9069	0.3474	0.1341	0.4485	0.0114	0.0496	0.08
Nitrogen Dioxide	TM15	9	3	26	91	45	2	0.0018	0.0076	0.0968	0.0813	0.3631	0.5332	0.2808		0.0628	0.0523	0.1876	0.4348	0.8985	0.3442	0.1329	0.4444	0.0112	0.0042	0.00758
Nitrogen Dioxide	TM15	9	4	26	92	45	2	0.0018	0.0076	0.0965	0.0811	0.3614	0.5305	0.2795		0.0625	0.052	0.1867	0.4327	0.8943	0.3426	0.1323	0.4423	0.0111	0.04913	0.07927
Nitrogen Dioxide	TM15	9	5	26	92	45	0	0.0018	0.0076	0.0965	0.0811	0.3614	0.5305	0.2795		0.0625	0.052	0.1867	0.4327	0.8943	0.3426	0.1323	0.4423	0.0111	0	0
Nitrogen Dioxide	TM15	9	6	26	93	45	3	0.0017	0.0075	0.0962	0.0808	0.3597	0.5278	0.2782		0.0622	0.0518	0.1858	0.4307	0.8902	0.341	0.1316	0.4402	0.011	0.0332	0.05355
Nitrogen Dioxide	TM15	9	7	26	93	45	19	0.0017	0.0075	0.0962	0.0808	0.3597	0.5278	0.2782		0.0622	0.0518	0.1858	0.4307	0.8902	0.341	0.1316	0.4402	0.011	0.10579	0.17063
Nitrogen Dioxide	TM15	9	8	27	88	45	46	0.0017	0.0075	0.096	0.0807	0.3587	0.5262	0.2774		0.062	0.0516	0.1853	0.4295	0.8877	0.34	0.1313	0.439	0.0109	0.14686	0.23688
Nitrogen Dioxide	TM15	9	9	28	83	45	114	0.0018	0.0076	0.096	0.0806	0.3585	0.5256	0.2771		0.0619	0.0515	0.1851	0.4291	0.8868	0.3397	0.1311	0.4386	0.0108	0.21718	0.3503
Nitrogen Dioxide	TM15	9	10	29	78	45	125	0.0018	0.0077	0.0961	0.0807	0.3586	0.5261	0.2773		0.062	0.0516	0.1852	0.4294	0.8875	0.34	0.1312	0.4389	0.0109	0.13675	0.22119
Nitrogen Dioxide	TM15	9	11	29	74	45	58	0.0018	0.0079	0.0968	0.0813	0.3626	0.5326	0.2805		0.0627	0.0522	0.1873	0.4343	0.8975	0.3438	0.1327	0.4439	0.0112	0.27738	0.44739
Nitrogen Dioxide	TM15	9	12	29	76	45	50	0.0018	0.0079	0.0968	0.0813	0.3626	0.5326	0.2805		0.0627	0.0522	0.1873	0.4343	0.8975	0.3438	0.1327	0.4439	0.0112	0.26552	0.42826
Nitrogen Dioxide	TM15	9	13	30	75	45	53	0.0018	0.0077	0.0956	0.0802	0.3553	0.5208	0.2748		0.0614	0.0511	0.1835	0.4255	0.8794	0.3369	0.13	0.4349	0.0107	0.28196	0.45478
Nitrogen Dioxide	TM15	9	14	29	75	45	49	0.0018	0.008	0.0972	0.0816	0.3647	0.5358	0.282		0.0631	0.0525	0.1884	0.4367	0.9025	0.3457	0.1333	0.4464	0.0113	0.28566	0.46073
Nitrogen Dioxide	TM15	9	15	29	77	45	56	0.0018	0.0078	0.0965	0.0811	0.3606	0.5295	0.2789		0.0624	0.0519	0.1863	0.4319	0.8925	0.3419	0.1319	0.4414	0.0111	0.29811	0.48083
Nitrogen Dioxide	TM15	9	16	29	76	45	56	0.0018	0.0079	0.0968	0.0813	0.3626	0.5326	0.2805		0.0627	0.0522	0.1873	0.4343	0.8975	0.3438	0.1327	0.4439	0.0112	0.28063	0.45264
Nitrogen Dioxide	TM15	9	17	29	78	45	56	0.0018	0.0077	0.0961	0.0807	0.3586	0.5263	0.2773		0.062	0.0516	0.1852	0.4294	0.8875	0.34	0.1312	0.4389	0.0109	0.27738	0.44739
Nitrogen Dioxide	TM15	9	18	28	81	45	54	0.0018	0.0077	0.0967	0.0812	0.3621	0.5317	0.28		0.0626	0.0521	0.1871	0.4336	0.8962	0.3433	0.1325	0.4432	0.0111	0.29543	0.4765
Nitrogen Dioxide	TM15	9	19	27	84	45	54	0.0018	0.0078	0.0973	0.0817	0.3639	0.5378	0.2829		0.0633	0.0527	0.189	0.4381	0.9055	0.3469	0.1339	0.4478	0.0114	0.27847	0.44914
Nitrogen Dioxide	TM15	9	20	27	86	45	22	0.0018	0.0077	0.0967	0.0812	0.3625	0.532	0.2802		0.0627	0.0521	0.1871	0.4338	0.8966	0.3435	0.1326	0.4434	0.0111	0.1001	0.16145
Nitrogen Dioxide	TM15	9	21	27	87	45	12	0.0018	0.0076	0.0964	0.0809	0.3605	0.5291	0.2788		0.0623	0.0519	0.1862	0.4317	0.8921	0.3418	0.1319	0.4412	0.011	0.14369	0.23176
Nitrogen Dioxide	TM15	9	22	27	89	45	5	0.0017	0.0074	0.0957	0.0804	0.3569	0.5233	0.276		0.0617	0.0513	0.1844	0.4274	0.8833	0.3383	0.1306	0.4368	0.0108	0.10842	0.17487
Nitrogen Dioxide	TM15	9	23	27	89	45	10	0.0017	0.0074	0.0957	0.0804	0.3569	0.5233	0.276		0.0617	0.0513	0.1844	0.4274	0.8833	0.3383	0.1306	0.4368	0.0108	0.06537	0.10544
Nitrogen Dioxide	TM15	9	24	26	89	45	4	0.0018	0.0078	0.0974	0.0818	0.3664	0.5387	0.2834		0.0634	0.0528	0.1893	0.4388	0.9069	0.3474	0.1341	0.4485	0.0114	0.13295	0.21444
Nitrogen Dioxide	TM15	10	1	24	74	45	5	0.0021	0.0093	0.1046	0.0878	0.4064	0.603	0.3143		0.0708	0.0588	0.2101	0.4867	1.0059	0.3853	0.1488	0.4975	0.014	0.02404	0.03877
Nitrogen Dioxide	TM15	10	2	23	74	45	2	0.0022	0.0096	0.1058	0.0888	0.4132	0.6145	0.3196		0.072	0.0598	0.2136	0.4948	1.0227	0.3918	0.1512	0.5058	0.0146	0.054	0.0871
Nitrogen Dioxide	TM15	10	3	23	74	45	2	0.0022	0.0096	0.1058	0.0888	0.4132	0.6145	0.3196		0.072	0.0598	0.2136	0.4948	1.0227	0.3918	0.1512	0.5058	0.0146	0.00952	0.00959
Nitrogen Dioxide	TM15	10	4	23	75	45	2	0.0022	0.0095	0.1056	0.0886	0.4118	0.6122	0.3185		0.0718	0.0596	0.2129	0.4932	1.0192	0.3904	0.1507	0.5041	0.0145	0.0539	0.08694
Nitrogen Dioxide	TM15	10	5	23	74	45	0	0.0022	0.0096	0.1058	0.0888	0.4132	0.6145	0.3196		0.072	0.0598	0.2136	0.4948	1.0227	0.3918	0.1512	0.5058	0.0146	0	0
Nitrogen Dioxide	TM15	10	6	23	75	45	3	0.0022	0.0095	0.1056	0.0886	0.4118	0.6122	0.3185		0.0718	0.0596	0.2129	0.4932	1.0192	0.3904	0.1507	0.5041	0.0145	0.03667	0.05914
Nitrogen Dioxide	TM15	10	7	23	75	45	19	0.0022	0.0095	0.1056	0.0886	0.4118	0.6122	0.3185		0.0718	0.0596	0.2129	0.4932	1.0192	0.3904	0.1507	0.5041	0.0145	0.12064	0.19458
Nitrogen Dioxide	TM15	10	8	23	72	45	46	0.0022	0.0097	0.1063	0.0893	0.4161	0.6191	0.3217		0.0725	0.0603	0.2151	0.4982	1.0296	0.3944	0.1523	0.5092	0.0148	0.09281	0.16981
Nitrogen Dioxide	TM15	10	9	24	69	45	114	0.0022	0.0096	0.1059	0.0889	0.4139	0.615	0.3201		0.0721	0.0599	0.214	0.4957	1.0244	0.3924	0.1515	0.5066	0.0145	0.25134	0.40538
Nitrogen Dioxide	TM15	10	10	25	64	45	125	0.0022	0.0097	0.1062	0.0891	0.4152	0.6171	0.3211		0.0724	0.0601	0.2146	0.4972	1.0275	0.3936	0.1519	0.5082	0.0146	0.25668	0.414
Nitrogen Dioxide	TM15	10	11	26	61	45	58	0.0022	0.0097	0.106	0.0889	0.4137	0.6147	0.32		0.0721	0.0599	0.2139	0.4955	1.0239	0.3922	0.1514	0.5064	0.0145	0.31798	0.51288
Nitrogen Dioxide	TM15	10	12	27	60	45	50	0.0022	0.0096	0.1052	0.0882	0.409	0.6071	0.3163		0.0712	0.0591	0.2114	0.4898	1.0122	0.3877	0.1497	0.5006	0.0142	0.30049	0.48465
Nitrogen Dioxide	TM15	10	13	27	59	45	53	0.0022	0.0097	0.1055	0.0885	0.4108	0.61	0.3177		0.0716	0.0594	0.2123	0.4919	1.0166	0.3894	0.1503	0.5028	0.0143	0.32767	0.52849
Nitrogen Dioxide	TM15	10	14	27	59	45	49	0.0022	0.0097	0.1055	0.0885	0.4108	0.61	0.3177		0.0716	0.0594	0.2123	0.4919	1.0166	0.3894	0.1503	0.5028	0.0143	0.32334	0.52151
Nitrogen Dioxide	TM15	10	15	27	60	45	56	0.0022	0.0096	0.1052	0.0882	0.409	0.6071	0.3163		0.0712	0.0591	0.2114	0.4898	1.0122	0.3877	0.1497	0.5006	0.0142	0.33981	0.54808
Nitrogen Dioxide	TM15	10	16	27	62	45	56	0.0022	0.0095	0.1045	0.0877	0.4054	0.6013	0.3135		0.0706	0.0586	0.2095	0.4855	1.0033	0.3843	0.1484	0.4962	0.014	0.31487	0.50786
Nitrogen Dioxide	TM15	10	17	26	65	45	56	0.0022	0.0094	0.1048	0.0879	0.407	0.6039	0.3147		0.0709	0.0588	0.2104	0.4874	1.0072	0.3858	0.1489	0.4981	0.0141	0.31614	0.5099
Nitrogen Dioxide	TM15	10	18	25	67	45	54	0.0022	0.0095	0.1053	0.0884	0.4104	0.6094	0.3174		0.0715	0.0594	0.2121	0.4915	1.0157	0.3891	0.1502	0.5023	0.0143	0.33649	0.54273
Nitrogen Dioxide	TM15	10	19	25	69	45	54	0.0022	0.0094	0.1048	0.0879	0.4072	0.6043	0.3149		0.0709	0.0589	0.2105	0.4877	1.0079	0.3861	0.149	0.4985	0.0141	0.31103	0.50166
Nitrogen Dioxide	TM15	10	20	25	71	45	22	0.0021	0.0092	0.1042	0.0875	0.4041	0.5992	0.3123		0.0703	0.0584	0.2088	0.4839	1	0.3831	0.1474	0.4946	0.0139	0.31097	0.50148
Nitrogen Dioxide	TM15	10	21	24	71	45	12	0.0022	0.0095	0.1054	0.0885	0.4109	0.6102	0.3178		0.0716	0.0595	0.2124	0.4921	1.017	0.3896	0.1504	0.503	0.0143	0.16494	0.26603
Nitrogen Dioxide	TM15	10	22	24	71	45	5	0.0022	0.0095	0.1054	0.0885	0.4109	0.6102	0.3178		0.0716	0.0595	0.2124	0.4921	1.017	0.3896	0.1504	0.503	0.0143	0.1233	0.19887
Nitrogen Dioxide	TM15	10	23	24	72	45	10	0.0022	0.0094	0.1051	0.0883	0.4094	0.6078	0.3166		0.0713	0.0592	0.2116	0.4903	1.0133	0.3882	0.1498	0.5011	0.0142	0.07403	0.1194
Nitrogen Dioxide	TM15	10	24	24	72	45	4	0.0022	0.0094	0.1051	0.0883	0.4094	0.6078	0.3166		0.0713	0.0592	0.2116	0.4903	1.0133	0.3882	0.1498	0.5011	0.0142	0.14705	0.23718
Nitrogen Dioxide	TM15	11	1	21	75	45	5	0.0023	0.01	0.1078	0.0905	0.4245	0.6339	0.3283		0.0742	0.0616	0.2195	0.5083	1.0505	0.4024	0.1553	0.5195	0.0156	0.02494	0.04023
Nitrogen Dioxide	TM15	11	2	21	74	45	2	0.0023	0.0101	0.1081	0.0907	0.4257	0.6359	0.3292		0.0744	0.0618	0.2201	0.5098	1.0535	0.4036	0.1558	0.521	0.0157	0.0552	0.08903
Nitrogen Dioxide	TM15	11	3	21	74	45	2	0.0023	0.0101	0.1081	0.0907	0.4257	0.6359	0.3292		0.0744	0.0618	0.2201	0.5098	1.0535	0.4036	0.1558	0.521	0.0157	0.0062	0.01
Nitrogen Dioxide	TM15	11	4	21	74	45	2	0.0023	0.0101	0.1081	0.0907	0.4257	0.6359	0.3292		0.0744	0.0618	0.2201	0.5098	1.0535	0.4036	0.1558	0.521	0.0157	0.0552	0.08903
Nitrogen Dioxide	TM15	11	5	21	74	45	0	0.0023	0.0101	0.1081	0.0907	0.4257	0.6359	0.3292		0.0744	0.0618	0.2201	0.5098	1.0535	0.4036	0.1558	0.521	0.0157	0	0
Nitrogen Dioxide	TM15	11	6	21	73	45	3	0.0023	0.0101	0.1083	0.0909	0.4269	0.6378	0.3302		0.0746	0.0622	0.2207	0.5113	1.0566	0.4047	0.1562	0.5226	0.0158	0.03763	0.0607
Nitrogen Dioxide	TM15	11	7	21	73	45	19	0.0023	0.0101	0.1083	0.0909	0.4269	0.6378	0.3302		0.0746	0.0622	0.2207	0.5113	1.0566	0.4047	0.1562	0.5226	0.0158	0.12499	0.2016
Nitrogen Dioxide	TM15	11	8	21	70	45	46	0.0024	0.0102	0.1089	0.0914	0.4306	0.6438	0.333		0.0753	0.0625	0.2227	0.5157	1.0657	0.4082	0.1576	0.5271	0.016	0.1757	0.28339
Nitrogen Dioxide	TM15	11	9	22	66	45	114	0.0023	0.0102	0.1089	0.0914	0.4301	0.6424	0.3326		0.0752	0.0624	0.2224	0.5151	1.0645	0.4078	0.1574	0.5265	0.0158	0.26152	0.4218
Nitrogen Dioxide	TM15	11	10	23	61	45	125	0.0024	0.0103	0.1091	0.0916	0.4314	0.6438	0.3336		0.0754	0.0626	0.223	0.5166	1.0677	0.409	0.1579	0.528	0.0158	0.26697	0.4306
Nitrogen Dioxide	TM15	11	11	25	57	45	58	0.0023	0.0102	0.1082	0.0908	0.4263	0.6349	0.3297		0.0744	0.0618	0.2204	0.5105	1.055	0.4041	0.156	0.5218	0.0153	0.32797	0.52898
Nitrogen Dioxide	TM15	11	12	25	56	45	50	0.0023	0.0102	0.1085	0.091	0.4279	0.6375	0.3309		0.0747	0.0621	0.2212	0.5124	1.0589	0.4056	0.1566	0.5237	0.0154	0.31472	0.50761
Nitrogen Dioxide	TM15	11	13	25	56	45	53	0.0023	0.0102	0.1085	0.091	0.4279	0.6375	0.3309		0.0747	0.0621	0.2212	0.5124	1.0589	0.4056	0.1566	0.5237	0.0154	0.34174	0.55119
Nitrogen Dioxide	TM15	11	14	26	56	45	49	0.0023	0.0101	0.1075	0.0902	0.4222	0.6283	0.3265		0.0736	0.0611	0.2182	0.5056	1.0448	0.4002	0.1545	0.5167	0.0151	0.33263	0.5365
Nitrogen Dioxide	TM15	11	15	26	57	45	56	0.0023	0.01	0.1072	0.0899	0.4205	0.6256	0.3252		0.0733	0.0609	0.2174	0.5035	1.0406	0.3986	0.1539	0.5147	0.015	0.34972	0.56406
Nitrogen Dioxide	TM15	11	16	25	57	45	56	0.0023	0.0101	0.1079	0.0905	0.4247	0.6324	0.3284		0.0741	0.0615	0.2196	0.5086	1.0511	0.4026	0.1554	0.5198	0.0152	0.33032	0.53278
Nitrogen Dioxide	TM15	11	17	24	63	45	56	0.0023	0.01	0.1076	0.0903	0.4228	0.6294	0.327		0.0738	0.0613	0.2186	0.5064	1.0465	0.4009	0.1548	0.5176	0.0151	0.32885	0.5304
Nitrogen Dioxide	TM15	11	18	23	66	45	54	0.0023	0.01	0.1078	0.0905	0.4244	0.6325	0.3282		0.0741	0.0615	0.2194	0.5083	1.0504	0.4024	0.1553	0.5195	0.0153	0.34856	0.56219
Nitrogen Dioxide	TM15	11	19	23	70	45	54	0.0023	0.0098	0.1068	0.0897	0.4188	0.6235	0.3239		0.073	0.0607	0.2165	0.5016	1.0365	0.3971	0.1533	0.5126	0.015	0.32031	0.51662
Nitrogen Dioxide	TM15	11	20	22	70	45	22	0.0023	0.01	0.1079	0.0906	0.4249	0.6339	0.3286		0.0742	0.0616	0.2197	0.5088	1.0515	0.4028	0.1555	0.5201	0.0155	0.11645	0.18782
Nitrogen Dioxide	TM15	11	21	22	72	45	12	0.0023	0.0099	0.1074	0.0902	0.4223	0.6297	0.3266		0.0737	0.0612	0.2183	0.5057	1.045	0.4003	0.1543	0.5168	0.0153	0.16996	0.27413
Nitrogen Dioxide	TM15	11	22	22	74	45	5	0.0023	0.0098	0.107	0.0898	0.4196	0.6254	0.3245		0.0732	0.0608	0.2169	0.5025	1.0385	0.3978	0.1536	0.5136	0.0151	0.1257	0.20274
Nitrogen Dioxide	TM15	11	23	22	74	45	10	0.0023	0.0098	0.107	0.0898	0.4196	0.6254	0.3245		0.0732	0.0608	0.2169	0.5025	1.0385	0.3978	0.1536	0.5136	0.0151	0.07575	0.12218
Nitrogen Dioxide	TM15	11	24	21	74	45	4	0.0023	0.0101	0.1081	0.0907	0.4257	0.6359	0.3292		0.0744	0.0618	0.2201	0.5098	1.0535	0.4036	0.1558	0.521	0.0157	0.14255	0.24573
Nitrogen Dioxide	TM15	12	1	16	68	45	5	0.0027	0.012	0.1139	0.0953	0.4563	0.6895	0.3531		0.0802	0.0666	0.2361	0.5467	1.1298	0.4328	0.1671	0.5588	0.0186	0.0268	0.04323
Nitrogen Dioxide	TM15	12	2	16	69	45	2	0.0027	0.012	0.1138	0.0952	0.4556	0.6881	0.3524		0.0801	0.0665	0.2357	0.5456	1.1276	0.432	0.1668	0.5577	0.0185	0.05825	0.09395
Nitrogen Dioxide	TM15	12	3	16	69	45	2	0.0027	0.012	0.1138	0.0952	0.4556	0.6881	0.3524		0.0801	0.0665	0.2357	0.5456	1.1276	0.432	0.1668	0.5577	0.0185	0.00735	0.01185
Nitrogen Dioxide	TM15	12	4	15	70	45	2	0.0028	0.0123	0.1144	0.0957	0.4587	0.6939	0.3548		0.0807	0.0672	0.2373	0.5494	1.1353	0.4349	0.1679	0.5615	0.0189	0.0586	0.09452
Nitrogen Dioxide	TM15	12	5	15	70	45	0	0.0028	0.0123	0.1144	0.0957	0.4587	0.6939	0.3548		0.0807	0.0672	0.2373	0.5494	1.1353	0.4349	0.1679	0.5615	0.0189	0	0
Nitrogen Dioxide	TM15	12	6	15	70	45	3	0.0028	0.0123	0.1144	0.0957	0.4587	0.6939	0.3548		0.0807	0.0672	0.2373	0.5494	1.1353	0.4349	0.1679	0.5615	0.0189	0.04	0.06452
Nitrogen Dioxide	TM15	12	7	15	70	45	19	0.0028	0.0123	0.1144	0.0957	0.4587	0.6939	0.3548		0.0807	0.0672	0.2373	0.5494	1.1353	0.4349	0.1679	0.5615	0.0189	0.13459	0.21708
Nitrogen Dioxide	TM15	12	8	15	69	45	46	0.0028	0.0124	0.1146	0.0958	0.4596	0.6953	0.3554		0.0808	0.0672	0.2377	0.5504	1.1374	0.4357	0.1682	0.5625	0.0189	0.18786	0.30299
Nitrogen Dioxide	TM15	12	9	16	68	45	114	0.0028	0.0121	0.1144	0.0957	0.4592	0.6938	0.3551		0.0807	0.067	0.2375	0.5499	1.1364	0.4353	0.168	0.5621	0.0187	0.2803	0.4521
Nitrogen Dioxide	TM15	12	10	17	62	45	125	0.0027	0.0119	0.1141	0.0956	0.4581	0.6912	0.3542		0.0805	0.0668	0.2369	0.5485	1.1336	0.4343	0.1676	0.5607	0.0185	0.28458	0.459
Nitrogen Dioxide	TM15	12	11	18	58	45	58	0.0027	0.0117	0.1141	0.0956	0.4581	0.6905	0.3543		0.0805	0.0668	0.2369	0.5486	1.1337	0.4343	0.1677	0.5607	0.0183	0.35456	0.57186
Nitrogen Dioxide	TM15	12	12	19	57	45	50	0.0026	0.0114	0.1135	0.0951	0.4552	0.685	0.352		0.0799	0.0663	0.2354	0.5451	1.1265	0.4315	0.1666	0.5571	0.018	0.33623	0.5423
Nitrogen Dioxide	TM15	12	13	19	56	45	53	0.0026	0.0115	0.1137	0.0953	0.4563	0.6868	0.3528		0.0801	0.0665	0.236	0.5464	1.1292	0.4326	0.167	0.5585	0.0181	0.3662	0.59064
Nitrogen Dioxide	TM15	12	14	19	56	45	49	0.0026	0.0115	0.1137	0.0953	0.4563	0.6868	0.3528		0.0801	0.0665	0.236	0.5464	1.1292	0.4326	0.167	0.5585	0.0181	0.36153	0.58312
Nitrogen Dioxide	TM15	12	15	19	56	45	56	0.0026	0.0115	0.1137	0.0953	0.4563	0.6868	0.3528		0.0801	0.0665	0.236	0.5464	1.1292	0.4326	0.167	0.5585	0.0181	0.38168	0.61561
Nitrogen Dioxide	TM15	12	16	19	57	45	56	0.0026	0.0114	0.1135	0.0951	0.4552	0.685	0.352		0.0799	0.0663	0.2354	0.5451	1.1265	0.4315	0.1666	0.5571	0.018	0.35576	0.5738
Nitrogen Dioxide	TM15	12	17	18	60	45	56	0.0027	0.0116	0.1137	0.0953	0.4561	0.6872	0.3527		0.0801	0.0665	0.2359	0.5462	1.1287	0.4324	0.1669	0.5582	0.0182	0.35671	0.57534
Nitrogen Dioxide	TM15	12	18	18	64	45	54	0.0026	0.0115	0.113	0.0946	0.452	0.6806	0.3496		0.0793	0.0659	0.2338	0.5413	1.1187	0.4285	0.1654	0.5533	0.0179	0.37317	0.60189
Nitrogen Dioxide	TM15	12	19	17	65	45	54	0.0027	0.0118	0.1136	0.0951	0.4552	0.6866	0.352		0.08	0.0664	0.2355	0.5451	1.1266	0.4316	0.1666	0.5572	0

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:

(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.

(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Dioxide	TM16	3	6	20	87	44	1	0.0023	0.0098	0.1076	0.0904	0.4221	0.6295	0.3273		0.0738	0.0613	0.2185	0.506	1.0438	0.401	0.1545	0.5179	0.0152	0.0023	0.00371
Nitrogen Dioxide	TM16	3	7	20	87	44	12	0.0023	0.0098	0.1076	0.0904	0.4221	0.6295	0.3273		0.0738	0.0613	0.2185	0.506	1.0438	0.401	0.1545	0.5179	0.0152	0.13265	0.21395
Nitrogen Dioxide	TM16	3	8	20	86	44	24	0.0023	0.0099	0.1078	0.0906	0.4221	0.6314	0.3282		0.074	0.0615	0.2191	0.5074	1.0467	0.4021	0.1549	0.5193	0.0153	0.1802	0.29146
Nitrogen Dioxide	TM16	3	9	21	83	44	55	0.0022	0.0097	0.1072	0.0901	0.4191	0.6259	0.3259		0.0734	0.061	0.2175	0.5038	1.0393	0.3993	0.1538	0.5156	0.015	0.25425	0.41008
Nitrogen Dioxide	TM16	3	10	22	79	44	59	0.0022	0.0097	0.1069	0.0899	0.4176	0.6227	0.3247		0.0731	0.0607	0.2167	0.502	1.0354	0.3978	0.1533	0.5137	0.0148	0.25392	0.40955
Nitrogen Dioxide	TM16	3	11	22	78	44	60	0.0022	0.0097	0.1072	0.0901	0.4189	0.6248	0.3257		0.0733	0.061	0.2174	0.5036	1.0387	0.3991	0.1538	0.5153	0.0148	0.18741	0.30227
Nitrogen Dioxide	TM16	3	12	23	77	44	53	0.0022	0.0095	0.1062	0.0893	0.4135	0.6155	0.3215		0.0723	0.0601	0.2145	0.497	1.0253	0.3939	0.1518	0.5087	0.0144	0.18821	0.30356
Nitrogen Dioxide	TM16	3	13	23	77	44	49	0.0022	0.0095	0.1062	0.0893	0.4135	0.6155	0.3215		0.0723	0.0601	0.2145	0.497	1.0253	0.3939	0.1518	0.5087	0.0144	0.18223	0.29393
Nitrogen Dioxide	TM16	3	14	23	77	44	48	0.0022	0.0095	0.1062	0.0893	0.4135	0.6155	0.3215		0.0723	0.0601	0.2145	0.497	1.0253	0.3939	0.1518	0.5087	0.0144	0.18583	0.29973
Nitrogen Dioxide	TM16	3	15	23	76	44	56	0.0022	0.0096	0.1065	0.0895	0.4149	0.6177	0.3226		0.0725	0.0603	0.2153	0.4987	1.0288	0.3952	0.1523	0.5104	0.0145	0.17308	0.27913
Nitrogen Dioxide	TM16	3	16	23	77	44	53	0.0022	0.0095	0.1062	0.0893	0.4135	0.6155	0.3215		0.0723	0.0601	0.2145	0.497	1.0253	0.3939	0.1518	0.5087	0.0144	0.18821	0.30356
Nitrogen Dioxide	TM16	3	17	22	79	44	53	0.0022	0.0097	0.1069	0.0899	0.4176	0.6227	0.3247		0.0731	0.0607	0.2167	0.502	1.0354	0.3978	0.1533	0.5137	0.0148	0.19012	0.30664
Nitrogen Dioxide	TM16	3	18	22	82	44	56	0.0022	0.0095	0.1062	0.0893	0.4136	0.6163	0.3216		0.0725	0.0601	0.2146	0.4972	1.0256	0.394	0.1518	0.5088	0.0145	0.17256	0.27832
Nitrogen Dioxide	TM16	3	19	21	84	44	58	0.0022	0.0097	0.107	0.09	0.4179	0.6238	0.3249		0.0732	0.0608	0.2169	0.5023	1.0362	0.3981	0.1534	0.5141	0.0149	0.18472	0.29793
Nitrogen Dioxide	TM16	3	20	21	85	44	42	0.0022	0.0096	0.1068	0.0898	0.4167	0.6218	0.3239		0.0729	0.0606	0.2162	0.5008	1.0331	0.3969	0.1529	0.5126	0.0148	0.12333	0.19891
Nitrogen Dioxide	TM16	3	21	21	86	44	23	0.0022	0.0096	0.1066	0.0896	0.4154	0.6198	0.323		0.0727	0.0605	0.2156	0.4994	1.03	0.3957	0.1525	0.511	0.0147	0.12668	0.20432
Nitrogen Dioxide	TM16	3	22	21	86	44	11	0.0022	0.0096	0.1066	0.0896	0.4154	0.6198	0.323		0.0727	0.0605	0.2156	0.4994	1.03	0.3957	0.1525	0.511	0.0147	0.13335	0.24733
Nitrogen Dioxide	TM16	3	23	21	85	44	3	0.0022	0.0096	0.1068	0.0898	0.4167	0.6218	0.3239		0.0729	0.0606	0.2162	0.5008	1.0331	0.3969	0.1529	0.5126	0.0148	0.00467	0.00753
Nitrogen Dioxide	TM16	3	24	21	86	44	0	0.0022	0.0096	0.1066	0.0896	0.4154	0.6198	0.323		0.0727	0.0605	0.2156	0.4994	1.03	0.3957	0.1525	0.511	0.0147	0	0
Nitrogen Dioxide	TM16	4	1	20	83	44	2	0.0023	0.01	0.1084	0.0911	0.4256	0.637	0.3309		0.0746	0.062	0.2209	0.5116	1.0554	0.4055	0.1562	0.5236	0.0156	0.00615	0.00992
Nitrogen Dioxide	TM16	4	2	20	83	44	2	0.0023	0.0099	0.1078	0.0908	0.4233	0.6332	0.3291		0.0742	0.0617	0.2197	0.5088	1.0496	0.4032	0.1554	0.5207	0.0154	0.00647	0.01042
Nitrogen Dioxide	TM16	4	3	20	84	44	0	0.0023	0.01	0.1082	0.0909	0.4245	0.6351	0.33		0.0744	0.0619	0.2203	0.5102	1.0525	0.4044	0.1558	0.5222	0.0155	0	0
Nitrogen Dioxide	TM16	4	4	20	85	44	0	0.0023	0.0099	0.108	0.0908	0.4233	0.6332	0.3291		0.0742	0.0617	0.2197	0.5088	1.0496	0.4032	0.1554	0.5207	0.0154	0	0
Nitrogen Dioxide	TM16	4	5	19	84	44	0	0.0024	0.0103	0.1093	0.0919	0.4307	0.6459	0.3348		0.0756	0.0628	0.2235	0.5177	1.0679	0.4103	0.1581	0.5298	0.016	0	0
Nitrogen Dioxide	TM16	4	6	19	84	44	1	0.0024	0.0103	0.1093	0.0919	0.4307	0.6459	0.3348		0.0756	0.0628	0.2235	0.5177	1.0679	0.4103	0.1581	0.5298	0.016	0.0024	0.00387
Nitrogen Dioxide	TM16	4	7	20	84	44	12	0.0023	0.01	0.1082	0.0909	0.4245	0.6351	0.33		0.0744	0.0619	0.2203	0.5102	1.0525	0.4044	0.1558	0.5222	0.0155	0.13368	0.2156
Nitrogen Dioxide	TM16	4	8	21	79	44	24	0.0023	0.0098	0.1081	0.0909	0.4241	0.6339	0.3298		0.0743	0.0618	0.2201	0.5098	1.0516	0.404	0.1557	0.5217	0.0153	0.18147	0.29269
Nitrogen Dioxide	TM16	4	9	22	73	44	55	0.0023	0.01	0.1084	0.0911	0.4255	0.6356	0.3309		0.0745	0.062	0.2208	0.5115	1.0552	0.4054	0.1562	0.5235	0.0153	0.25812	0.41632
Nitrogen Dioxide	TM16	4	10	23	69	44	59	0.0023	0.0099	0.1083	0.091	0.4248	0.6337	0.3303		0.0744	0.0618	0.2204	0.5106	1.0533	0.4047	0.1559	0.5226	0.0151	0.25828	0.41659
Nitrogen Dioxide	TM16	4	11	23	68	44	60	0.0023	0.01	0.1085	0.0912	0.4262	0.636	0.3314		0.0746	0.062	0.2212	0.5123	1.0568	0.406	0.1564	0.5243	0.0152	0.19061	0.30743
Nitrogen Dioxide	TM16	4	12	24	66	44	53	0.0023	0.0099	0.1079	0.0907	0.4229	0.6302	0.3288		0.074	0.0615	0.2195	0.5084	1.0487	0.4029	0.1552	0.5203	0.0149	0.19245	0.3104
Nitrogen Dioxide	TM16	4	13	24	65	44	49	0.0023	0.0099	0.1082	0.0909	0.4244	0.6326	0.331		0.0743	0.0617	0.2202	0.5102	1.0525	0.4043	0.1558	0.5221	0.015	0.18698	0.30158
Nitrogen Dioxide	TM16	4	14	24	66	44	48	0.0023	0.0099	0.1079	0.0907	0.4229	0.6302	0.3288		0.074	0.0615	0.2195	0.5084	1.0487	0.4029	0.1552	0.5203	0.0149	0.19001	0.30647
Nitrogen Dioxide	TM16	4	15	24	66	44	56	0.0023	0.0099	0.1079	0.0907	0.4229	0.6302	0.3288		0.074	0.0615	0.2195	0.5084	1.0487	0.4029	0.1552	0.5203	0.0149	0.17633	0.2844
Nitrogen Dioxide	TM16	4	16	24	67	44	53	0.0023	0.0098	0.1076	0.0905	0.4214	0.6277	0.3277		0.0737	0.0613	0.2187	0.5066	1.045	0.4015	0.1547	0.5184	0.0148	0.19176	0.30929
Nitrogen Dioxide	TM16	4	17	25	69	44	53	0.0023	0.0099	0.1083	0.091	0.4248	0.6337	0.3303		0.0744	0.0618	0.2204	0.5106	1.0533	0.4047	0.1559	0.5226	0.0151	0.19334	0.31184
Nitrogen Dioxide	TM16	4	18	22	74	44	56	0.0023	0.0099	0.1081	0.0909	0.4242	0.6334	0.3298		0.0743	0.0618	0.2201	0.5099	1.0519	0.4041	0.1557	0.5219	0.0152	0.17692	0.28536
Nitrogen Dioxide	TM16	4	19	21	76	44	58	0.0023	0.0098	0.1077	0.0905	0.4216	0.6291	0.3278		0.0738	0.0614	0.2187	0.5067	1.0453	0.4016	0.1547	0.5185	0.0149	0.18629	0.30047
Nitrogen Dioxide	TM16	4	20	21	79	44	42	0.0023	0.0099	0.1081	0.0909	0.4241	0.6339	0.3298		0.0743	0.0618	0.2201	0.5098	1.0516	0.404	0.1557	0.5217	0.0153	0.12548	0.20238
Nitrogen Dioxide	TM16	4	21	21	80	44	23	0.0023	0.0099	0.1079	0.0907	0.4229	0.6319	0.3288		0.0741	0.0616	0.2194	0.5083	1.0486	0.4028	0.1552	0.5202	0.0152	0.12887	0.20785
Nitrogen Dioxide	TM16	4	22	21	81	44	11	0.0023	0.0098	0.1077	0.0905	0.4216	0.6299	0.3278		0.0738	0.0614	0.2188	0.5068	1.0455	0.4017	0.1548	0.5187	0.0152	0.15561	0.25098
Nitrogen Dioxide	TM16	4	23	21	82	44	3	0.0022	0.0098	0.1075	0.0903	0.4204	0.6279	0.3269		0.0736	0.0612	0.2181	0.5053	1.0424	0.4005	0.1543	0.5171	0.0151	0.00473	0.00763
Nitrogen Dioxide	TM16	4	24	20	82	44	0	0.0023	0.01	0.1086	0.0913	0.4268	0.6389	0.3318		0.0748	0.0622	0.2215	0.513	1.0583	0.4066	0.1566	0.525	0.0156	0	0
Nitrogen Dioxide	TM16	5	1	26	91	44	2	0.0018	0.0077	0.0979	0.0823	0.367	0.54	0.2854		0.0637	0.0531	0.1903	0.4412	0.91	0.3496	0.1347	0.4515	0.0112	0.00475	0.00766
Nitrogen Dioxide	TM16	5	2	25	92	44	2	0.0018	0.008	0.0992	0.0835	0.3748	0.5526	0.2914		0.0651	0.0542	0.1944	0.4505	0.9293	0.357	0.1376	0.461	0.0117	0.0049	0.0079
Nitrogen Dioxide	TM16	5	3	25	92	44	0	0.0018	0.008	0.0992	0.0835	0.3748	0.5526	0.2914		0.0651	0.0542	0.1944	0.4505	0.9293	0.357	0.1376	0.461	0.0117	0	0
Nitrogen Dioxide	TM16	5	4	25	92	44	0	0.0019	0.008	0.0995	0.0837	0.3764	0.5551	0.2926		0.0654	0.0545	0.1952	0.4524	0.9333	0.3586	0.1381	0.463	0.0118	0	0
Nitrogen Dioxide	TM16	5	5	25	92	44	0	0.0018	0.008	0.0992	0.0835	0.3748	0.5526	0.2914		0.0651	0.0542	0.1944	0.4505	0.9293	0.357	0.1376	0.461	0.0117	0	0
Nitrogen Dioxide	TM16	5	6	25	93	44	1	0.0018	0.0079	0.0989	0.0832	0.3732	0.55	0.2901		0.0648	0.054	0.1935	0.4486	0.9253	0.3555	0.1372	0.4591	0.0116	0.0029	0.0029
Nitrogen Dioxide	TM16	5	7	26	91	44	12	0.0018	0.0077	0.0979	0.0823	0.367	0.54	0.2854		0.0637	0.0531	0.1903	0.4412	0.91	0.3496	0.1347	0.4515	0.0112	0.11672	0.18825
Nitrogen Dioxide	TM16	5	8	27	85	44	24	0.0018	0.0078	0.0981	0.0825	0.368	0.5417	0.2862		0.0639	0.0532	0.1908	0.4424	0.9126	0.3506	0.1351	0.4528	0.0113	0.15776	0.25446
Nitrogen Dioxide	TM16	5	9	28	80	44	55	0.0018	0.0079	0.0981	0.0825	0.368	0.5416	0.2861		0.0639	0.0532	0.1908	0.4424	0.9125	0.3506	0.1351	0.4527	0.0113	0.22236	0.35865
Nitrogen Dioxide	TM16	5	10	28	78	44	59	0.0019	0.0081	0.0988	0.083	0.3719	0.5478	0.2891		0.0646	0.0538	0.1928	0.447	0.9221	0.3542	0.1365	0.4574	0.0115	0.22541	0.36356
Nitrogen Dioxide	TM16	5	11	29	77	44	60	0.0018	0.0079	0.0975	0.082	0.3646	0.5361	0.2834		0.0633	0.0527	0.189	0.4382	0.904	0.3473	0.1338	0.4485	0.0111	0.16332	0.26342
Nitrogen Dioxide	TM16	5	12	29	75	44	53	0.0018	0.0078	0.0983	0.0826	0.3687	0.5427	0.2866		0.064	0.0533	0.1912	0.4432	0.9141	0.3512	0.1353	0.4535	0.0113	0.16789	0.27079
Nitrogen Dioxide	TM16	5	13	29	74	44	49	0.0019	0.0081	0.0987	0.0829	0.3707	0.546	0.2882		0.0644	0.0536	0.1922	0.4456	0.9192	0.3531	0.1361	0.456	0.0115	0.16352	0.26374
Nitrogen Dioxide	TM16	5	14	29	75	44	48	0.0019	0.008	0.0983	0.0826	0.3687	0.5427	0.2866		0.064	0.0533	0.1912	0.4432	0.9141	0.3512	0.1353	0.4535	0.0113	0.16585	0.2675
Nitrogen Dioxide	TM16	5	15	29	75	44	56	0.0019	0.008	0.0983	0.0826	0.3687	0.5427	0.2866		0.064	0.0533	0.1912	0.4432	0.9141	0.3512	0.1353	0.4535	0.0113	0.15408	0.24851
Nitrogen Dioxide	TM16	5	16	29	77	44	53	0.0018	0.0079	0.0975	0.082	0.3646	0.5361	0.2834		0.0633	0.0527	0.189	0.4382	0.904	0.3473	0.1338	0.4485	0.0111	0.16602	0.26777
Nitrogen Dioxide	TM16	5	17	28	78	44	53	0.0019	0.0081	0.0988	0.083	0.3719	0.5478	0.2891		0.0646	0.0538	0.1928	0.447	0.9221	0.3542	0.1365	0.4574	0.0115	0.16931	0.27308
Nitrogen Dioxide	TM16	5	18	28	81	44	56	0.0018	0.0078	0.0982	0.0822	0.3661	0.5385	0.2846		0.0635	0.0529	0.1898	0.4407	0.9077	0.3487	0.1343	0.4503	0.0112	0.15296	0.24672
Nitrogen Dioxide	TM16	5	19	27	84	44	58	0.0018	0.0079	0.0984	0.0827	0.3699	0.5446	0.2876		0.0642	0.0535	0.1918	0.4446	0.9171	0.3523	0.1357	0.455	0.0114	0.16351	0.26373
Nitrogen Dioxide	TM16	5	20	27	87	44	42	0.0018	0.0077	0.0974	0.0819	0.3644	0.5358	0.2833		0.0632	0.0527	0.189	0.438	0.9036	0.3471	0.1338	0.4483	0.0111	0.10826	0.17461
Nitrogen Dioxide	TM16	5	21	27	88	44	23	0.0018	0.0076	0.0971	0.0817	0.3626	0.5329	0.2819		0.0629	0.0524	0.188	0.4359	0.8991	0.3454	0.1331	0.4461	0.0109	0.11121	0.17938
Nitrogen Dioxide	TM16	5	22	26	89	44	11	0.0018	0.0078	0.0985	0.0828	0.3704	0.5455	0.288		0.0643	0.0536	0.1921	0.4453	0.9185	0.3529	0.136	0.4557	0.0114	0.13679	0.22063
Nitrogen Dioxide	TM16	5	23	26	89	44	3	0.0018	0.0078	0.0985	0.0828	0.3704	0.5455	0.288		0.0643	0.0536	0.1921	0.4453	0.9185	0.3529	0.136	0.4557	0.0114	0.0038	0.0063
Nitrogen Dioxide	TM16	5	24	26	90	44	0	0.0018	0.0078	0.0982	0.0826	0.3687	0.5428	0.2867		0.064	0.0533	0.1912	0.4432	0.9143	0.3513	0.1353	0.4536	0.0113	0	0
Nitrogen Dioxide	TM16	6	1	28	88	44	2	0.0017	0.0073	0.0953	0.0802	0.3526	0.5167	0.2741		0.0611	0.0509	0.1828	0.4238	0.8742	0.3359	0.1294	0.4337	0.0103	0.0045	0.00726
Nitrogen Dioxide	TM16	6	2	27	89	44	2	0.0017	0.0075	0.0968	0.0814	0.3608	0.53	0.2805		0.0626	0.0521	0.1871	0.4337	0.8946	0.3437	0.1324	0.4438	0.0108	0.0046	0.00742
Nitrogen Dioxide	TM16	6	3	27	89	44	0	0.0017	0.0075	0.0968	0.0814	0.3608	0.53	0.2805		0.0626	0.0521	0.1871	0.4337	0.8946	0.3437	0.1324	0.4438	0.0108	0	0
Nitrogen Dioxide	TM16	6	4	27	88	44	0	0.0018	0.0076	0.0971	0.0817	0.3626	0.5329	0.2819		0.0629	0.0524	0.188	0.4359	0.8991	0.3454	0.1331	0.4461	0.0109	0	0
Nitrogen Dioxide	TM16	6	5	27	89	44	0	0.0017	0.0075	0.0968	0.0814	0.3608	0.53	0.2805		0.0626	0.0521	0.1871	0.4337	0.8946	0.3437	0.1324	0.4438	0.0108	0	0
Nitrogen Dioxide	TM16	6	6	27	90	44	1	0.0017	0.0074	0.0964	0.0811	0.359	0.5271	0.2791		0.0622	0.0518	0.1861	0.4315	0.8901	0.342	0.1318	0.4416	0.0107	0.0017	0.00274
Nitrogen Dioxide	TM16	6	7	28	87	44	12	0.0017	0.0074	0.0957	0.0804	0.3545	0.5199	0.2756		0.0614	0.0512	0.1838	0.4261	0.879	0.3377	0.1301	0.4361	0.0104	0.11306	0.18235
Nitrogen Dioxide	TM16	6	8	29	82	44	24	0.0017	0.0074	0.0957	0.0804	0.3543	0.5196	0.2755		0.0614	0.0511	0.1837	0.4259	0.8785	0.3375	0.13	0.4359	0.0104	0.15202	0.24519
Nitrogen Dioxide	TM16	6	9	29	79	44	55	0.0018	0.0077	0.0968	0.0813	0.3605	0.5295	0.2803		0.0625	0.0521	0.1869	0.4333	0.8938	0.3434	0.1323	0.4434	0.0108	0.21775	0.35121
Nitrogen Dioxide	TM16	6	10	30	76	44	59	0.0018	0.0077	0.0968	0.0807	0.3564	0.524	0.2776		0.0618	0.0516	0.1851	0.4292	0.8853	0.3401	0.1311	0.4392	0.0106	0.21627	0.34883
Nitrogen Dioxide	TM16	6	11	30	75	44	60	0.0018	0.0078	0.0966	0.0812	0.3592	0.5275	0.2793		0.0623	0.0519	0.1863	0.4318	0.8907	0.3422	0.1318	0.4419	0.0107	0.14699	0.25966
Nitrogen Dioxide	TM16	6	12	30	74	44	53	0.0018	0.0078	0.097	0.0815	0.3614	0.531	0.281		0.0627	0.0522	0.1874	0.4344	0.8961	0.3443	0.1326	0.4446	0.0109	0.1646	0.26548
Nitrogen Dioxide	TM16	6	13	31	73	44	49	0.0018	0.0077	0.0957	0.0804	0.3539	0.519	0.2752		0.0613	0.0511	0.1835	0.4254	0.8776	0.3372	0.1299	0.4354	0.0104	0.15623	0.25199
Nitrogen Dioxide	TM16	6	14	31	72	44	48	0.0018	0.0078	0.0961	0.0807	0.3562	0.5227	0.277		0.0617	0.0515	0.1847	0.4282	0.8833	0.3394	0.1307	0.4362	0.0105	0.16035	0.25862
Nitrogen Dioxide	TM16	6	15	30	74	44	56	0.0018	0.0078	0.097	0.0815	0.3614	0.531	0.281		0.0627	0.0522	0.1874	0.4344	0.8961	0.3443	0.1326	0.4446	0.0109	0.15109	0.2437
Nitrogen Dioxide	TM16	6	16	30	74	44	53	0.0018	0.0078	0.097	0.0815	0.3614	0.531	0.281		0.0627	0.0522	0.1874	0.4344	0.8961	0.3443	0.1326	0.4446	0.0109	0.1646	0.26548
Nitrogen Dioxide	TM16	6	17	30	75	44	53	0.0018	0.0078	0.0966	0.0812	0.3592	0.5275	0.2793		0.0623	0.0519	0.1863	0.4318	0.8907	0.3422	0.1318	0.4419	0.0107	0.16363	0.26392
Nitrogen Dioxide	TM16	6	18	29	79	44	56	0.0018	0.0077	0.0968	0.0813	0.3605	0.5295	0.2803		0.0625	0.0521	0.1869	0.4333	0.8938	0.3434	0.1323	0.4434	0.0108	0.15069	0.24306
Nitrogen Dioxide	TM16	6	19	29	81	44	58	0.0017	0.0075	0.0961	0.0807	0.3564	0.5229	0.2771		0.0618	0.0515	0.1848	0.4284	0.8836	0.3395	0.1308	0.4384	0.0105	0.15764	0.25427
Nitrogen Dioxide	TM16	6	20	28	83	44	42	0.0018	0.0077	0.0971	0.0816	0.3622	0.5323	0.2816		0.0628	0.0523	0.1878	0.4354	0.8981	0.345	0.1329	0.4456	0.0109	0.11067	0.17366
Nitrogen Dioxide	TM16	6	21	28	85	44	23	0.0017	0.0075	0.0964	0.081	0.3583	0.5261	0.2786		0.0621	0.0517	0.1858	0.4308	0.8886	0.3414	0.1315	0.4408	0.0107	0.10995	0.17734
Nitrogen Dioxide	TM16	6	22	28	86	44	11	0.0017	0.0074	0.096	0.0807	0.3564	0.5231	0.2771		0.0618	0.0515	0.1848	0.4284	0.8838	0.3395	0.1308	0.4385	0.0105	0.13174	0.21248
Nitrogen Dioxide	TM16	6	23	28	87	44	3	0.0017	0.0074	0.0957	0.0804	0.3545	0.5199	0.2756		0.0614	0.0512	0.1838	0.4261	0.879	0.3377	0.1301	0.4361	0.0104	0.0036	0.00581
Nitrogen Dioxide	TM16	6	24	28	87	44	0	0.0017	0.0074	0.0957	0.0804	0.3545	0.5199	0.2756		0.0614	0.0512	0.1838	0.4261	0.879	0.3377	0.1301	0.4361	0.0104	0	0
Nitrogen Dioxide	TM16	7	1	28	84	44	2	0.0018	0.0076	0

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:

(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.

(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Dioxide	TM16	9	11	29	76	44	60	0.0018	0.0079	0.0979	0.0823	0.3666	0.5394	0.285		0.0636	0.053	0.1901	0.4407	0.909	0.3492	0.1346	0.451	0.0112	0.16421	0.26485
Nitrogen Dioxide	TM16	9	12	29	76	44	53	0.0018	0.0079	0.0979	0.0823	0.3666	0.5394	0.285		0.0636	0.053	0.1901	0.4407	0.909	0.3492	0.1346	0.451	0.0112	0.16692	0.26923
Nitrogen Dioxide	TM16	9	13	30	75	44	49	0.0018	0.0078	0.0966	0.0812	0.3592	0.5275	0.2793		0.0623	0.0519	0.1863	0.4318	0.8907	0.3422	0.1318	0.4419	0.0107	0.15851	0.25566
Nitrogen Dioxide	TM16	9	14	29	75	44	48	0.0019	0.008	0.0983	0.0826	0.3687	0.5427	0.2866		0.064	0.0533	0.1912	0.4432	0.9141	0.3512	0.1353	0.4535	0.0113	0.16585	0.2675
Nitrogen Dioxide	TM16	9	15	29	77	44	56	0.0018	0.0079	0.0975	0.082	0.3646	0.5361	0.2834		0.0633	0.0527	0.189	0.4382	0.904	0.3473	0.1338	0.4485	0.0111	0.15238	0.24577
Nitrogen Dioxide	TM16	9	16	29	76	44	53	0.0018	0.0079	0.0979	0.0823	0.3666	0.5394	0.285		0.0636	0.053	0.1901	0.4407	0.909	0.3492	0.1346	0.451	0.0112	0.16692	0.26923
Nitrogen Dioxide	TM16	9	17	29	78	44	53	0.0018	0.0078	0.0972	0.0816	0.3625	0.5328	0.2818		0.0629	0.0524	0.188	0.4358	0.8989	0.3453	0.1331	0.4459	0.0109	0.16508	0.26626
Nitrogen Dioxide	TM16	9	18	28	81	44	56	0.0018	0.0078	0.0978	0.0822	0.3661	0.5385	0.2846		0.0635	0.0529	0.1898	0.44	0.9077	0.3487	0.1344	0.4503	0.0112	0.15296	0.24672
Nitrogen Dioxide	TM16	9	19	27	84	44	58	0.0018	0.0079	0.0984	0.0827	0.3699	0.5446	0.2876		0.0642	0.0535	0.1918	0.4446	0.9171	0.3523	0.1357	0.455	0.0114	0.16351	0.26373
Nitrogen Dioxide	TM16	9	20	27	86	44	42	0.0018	0.0077	0.0978	0.0822	0.3662	0.5388	0.2847		0.0636	0.0529	0.1899	0.4402	0.9081	0.3489	0.1344	0.4505	0.0112	0.10877	0.17544
Nitrogen Dioxide	TM16	9	21	27	87	44	23	0.0018	0.0077	0.0974	0.0819	0.3644	0.5358	0.2833		0.0632	0.0527	0.189	0.438	0.9036	0.3471	0.1338	0.4483	0.0111	0.11172	0.1802
Nitrogen Dioxide	TM16	9	22	27	89	44	11	0.0017	0.0075	0.0968	0.0814	0.3608	0.53	0.2805		0.0626	0.0521	0.1871	0.4337	0.8946	0.3437	0.1324	0.4438	0.0108	0.13331	0.21501
Nitrogen Dioxide	TM16	9	23	27	89	44	3	0.0017	0.0075	0.0968	0.0814	0.3608	0.53	0.2805		0.0626	0.0521	0.1871	0.4337	0.8946	0.3437	0.1324	0.4438	0.0108	0.00363	0.00586
Nitrogen Dioxide	TM16	9	24	26	89	44	0	0.0018	0.0078	0.0985	0.0828	0.3704	0.5455	0.288		0.0643	0.0536	0.1921	0.4453	0.9185	0.3529	0.136	0.4557	0.0114	0	0
Nitrogen Dioxide	TM16	10	1	24	74	44	2	0.0022	0.0094	0.1057	0.0889	0.4109	0.6107	0.3195		0.0718	0.0597	0.2132	0.4939	1.0188	0.3914	0.1508	0.5055	0.0141	0.0058	0.00935
Nitrogen Dioxide	TM16	10	2	23	74	44	2	0.0022	0.0097	0.107	0.0899	0.4177	0.6223	0.3248		0.0731	0.0607	0.2167	0.5021	1.0358	0.3979	0.1533	0.5139	0.0146	0.00595	0.0096
Nitrogen Dioxide	TM16	10	3	23	74	44	0	0.0022	0.0097	0.107	0.0899	0.4177	0.6223	0.3248		0.0731	0.0607	0.2167	0.5021	1.0358	0.3979	0.1533	0.5139	0.0146	0	0
Nitrogen Dioxide	TM16	10	4	23	75	44	0	0.0022	0.0096	0.1067	0.0897	0.4163	0.62	0.3237		0.0728	0.0605	0.216	0.5004	1.0323	0.3966	0.1528	0.5121	0.0145	0	0
Nitrogen Dioxide	TM16	10	5	23	74	44	0	0.0022	0.0097	0.107	0.0899	0.4177	0.6223	0.3248		0.0731	0.0607	0.2167	0.5021	1.0358	0.3979	0.1533	0.5139	0.0146	0	0
Nitrogen Dioxide	TM16	10	6	23	75	44	1	0.0022	0.0096	0.1067	0.0897	0.4163	0.62	0.3237		0.0728	0.0605	0.216	0.5004	1.0323	0.3966	0.1528	0.5121	0.0145	0.0022	0.00355
Nitrogen Dioxide	TM16	10	7	23	75	44	12	0.0022	0.0096	0.1067	0.0897	0.4163	0.62	0.3237		0.0728	0.0605	0.216	0.5004	1.0323	0.3966	0.1528	0.5121	0.0145	0.13124	0.21168
Nitrogen Dioxide	TM16	10	8	23	72	44	24	0.0022	0.0098	0.1075	0.0903	0.4206	0.6269	0.327		0.0736	0.0612	0.2182	0.5055	1.0428	0.4006	0.1544	0.5174	0.0148	0.17985	0.29009
Nitrogen Dioxide	TM16	10	9	24	69	44	55	0.0022	0.0097	0.1071	0.09	0.4184	0.6229	0.3253		0.0732	0.0608	0.2171	0.503	1.0375	0.3986	0.1536	0.5147	0.0146	0.25347	0.40882
Nitrogen Dioxide	TM16	10	10	25	64	44	59	0.0023	0.0098	0.1074	0.0902	0.4197	0.6249	0.3263		0.0734	0.061	0.2178	0.5045	1.0407	0.3998	0.154	0.5163	0.0147	0.25502	0.41133
Nitrogen Dioxide	TM16	10	11	26	61	44	60	0.0023	0.0098	0.1072	0.09	0.4182	0.6226	0.3252		0.0731	0.0608	0.2177	0.5028	1.0371	0.3984	0.1535	0.5145	0.0146	0.18708	0.30174
Nitrogen Dioxide	TM16	10	12	27	60	44	53	0.0022	0.0097	0.1063	0.0893	0.4134	0.6149	0.3215		0.0723	0.06	0.2145	0.497	1.0252	0.3939	0.1517	0.5086	0.0143	0.18818	0.30352
Nitrogen Dioxide	TM16	10	13	27	59	44	49	0.0022	0.0097	0.1067	0.0895	0.4153	0.6178	0.3229		0.0726	0.0603	0.2155	0.4992	1.0297	0.3956	0.1524	0.5108	0.0144	0.18303	0.2952
Nitrogen Dioxide	TM16	10	14	27	59	44	48	0.0022	0.0098	0.1067	0.0895	0.4153	0.6178	0.3229		0.0726	0.0603	0.2155	0.4992	1.0297	0.3956	0.1524	0.5108	0.0144	0.18664	0.30102
Nitrogen Dioxide	TM16	10	15	27	60	44	56	0.0022	0.0097	0.1063	0.0893	0.4134	0.6149	0.3215		0.0723	0.06	0.2145	0.497	1.0252	0.3939	0.1517	0.5086	0.0143	0.17247	0.27818
Nitrogen Dioxide	TM16	10	16	27	62	44	53	0.0022	0.0095	0.1057	0.0887	0.4098	0.609	0.3186		0.0716	0.0595	0.2126	0.4926	1.0162	0.3904	0.1504	0.5041	0.014	0.18633	0.30085
Nitrogen Dioxide	TM16	10	17	26	65	44	53	0.0022	0.0095	0.1059	0.089	0.4114	0.6116	0.3199		0.0719	0.0597	0.2134	0.4945	1.0201	0.3919	0.151	0.5061	0.0141	0.18724	0.302
Nitrogen Dioxide	TM16	10	18	25	67	44	56	0.0022	0.0096	0.1065	0.0895	0.4149	0.6172	0.3226		0.0725	0.0605	0.2153	0.4987	1.0288	0.3952	0.1523	0.5104	0.0143	0.17302	0.27907
Nitrogen Dioxide	TM16	10	19	25	69	44	58	0.0022	0.0095	0.1059	0.089	0.4117	0.612	0.3201		0.0719	0.0598	0.2136	0.4949	1.0208	0.3922	0.1511	0.5064	0.0141	0.18186	0.29332
Nitrogen Dioxide	TM16	10	20	25	71	44	42	0.0022	0.0094	0.1053	0.0885	0.4085	0.6068	0.3176		0.0713	0.0593	0.2119	0.491	1.0128	0.3891	0.1499	0.5025	0.0139	0.12092	0.19504
Nitrogen Dioxide	TM16	10	21	24	71	44	23	0.0022	0.0096	0.1066	0.0896	0.4154	0.618	0.323		0.0726	0.0604	0.2155	0.4993	1.03	0.3957	0.1525	0.511	0.0144	0.1266	0.20419
Nitrogen Dioxide	TM16	10	22	24	71	44	11	0.0022	0.0096	0.1066	0.0896	0.4154	0.618	0.323		0.0726	0.0604	0.2155	0.4993	1.03	0.3957	0.1525	0.511	0.0144	0.13318	0.24707
Nitrogen Dioxide	TM16	10	23	24	72	44	3	0.0022	0.0095	0.1063	0.0893	0.4139	0.6156	0.3218		0.0723	0.0601	0.2147	0.4975	1.0263	0.3943	0.1519	0.5092	0.0143	0.00463	0.00747
Nitrogen Dioxide	TM16	10	24	24	72	44	0	0.0022	0.0095	0.1063	0.0893	0.4139	0.6156	0.3218		0.0723	0.0601	0.2147	0.4975	1.0263	0.3943	0.1519	0.5092	0.0143	0	0
Nitrogen Dioxide	TM16	11	1	21	75	44	2	0.0023	0.0101	0.109	0.0916	0.4291	0.642	0.3336		0.0752	0.0625	0.2227	0.5158	1.064	0.4088	0.1575	0.5279	0.0157	0.0062	0.01
Nitrogen Dioxide	TM16	11	2	21	74	44	2	0.0023	0.0102	0.1092	0.0918	0.4303	0.644	0.3346		0.0755	0.0627	0.2233	0.5173	1.0671	0.41	0.1579	0.5294	0.0157	0.00625	0.01008
Nitrogen Dioxide	TM16	11	3	21	74	44	0	0.0023	0.0102	0.1092	0.0918	0.4303	0.644	0.3346		0.0755	0.0627	0.2233	0.5173	1.0671	0.41	0.1579	0.5294	0.0157	0	0
Nitrogen Dioxide	TM16	11	4	21	74	44	0	0.0023	0.0102	0.1092	0.0918	0.4303	0.644	0.3346		0.0755	0.0627	0.2233	0.5173	1.0671	0.41	0.1579	0.5294	0.0157	0	0
Nitrogen Dioxide	TM16	11	5	21	74	44	0	0.0023	0.0102	0.1092	0.0918	0.4303	0.644	0.3346		0.0755	0.0627	0.2233	0.5173	1.0671	0.41	0.1579	0.5294	0.0157	0	0
Nitrogen Dioxide	TM16	11	6	21	73	44	1	0.0023	0.0102	0.1095	0.092	0.4316	0.646	0.3356		0.0757	0.0629	0.224	0.5188	1.0701	0.4111	0.1584	0.5309	0.0158	0.0023	0.00371
Nitrogen Dioxide	TM16	11	7	21	73	44	12	0.0023	0.0102	0.1095	0.092	0.4316	0.646	0.3356		0.0757	0.0629	0.224	0.5188	1.0701	0.4111	0.1584	0.5309	0.0158	0.13576	0.21897
Nitrogen Dioxide	TM16	11	8	21	70	44	24	0.0024	0.0103	0.1101	0.0926	0.4353	0.652	0.3385		0.0764	0.0635	0.2259	0.5233	1.0794	0.4147	0.1598	0.5355	0.0161	0.18618	0.30028
Nitrogen Dioxide	TM16	11	9	22	66	44	55	0.0024	0.0103	0.1101	0.0925	0.4348	0.6506	0.3381		0.0762	0.0634	0.2257	0.5227	1.0782	0.4142	0.1596	0.5349	0.0159	0.26386	0.42558
Nitrogen Dioxide	TM16	11	10	23	61	44	59	0.0024	0.0104	0.1103	0.0927	0.4361	0.652	0.3391		0.0764	0.0635	0.2263	0.5242	1.0814	0.4155	0.1601	0.5365	0.0159	0.26531	0.42791
Nitrogen Dioxide	TM16	11	11	25	57	44	60	0.0024	0.0103	0.1094	0.0919	0.4309	0.643	0.3351		0.0756	0.0627	0.2236	0.5158	1.0685	0.4105	0.1582	0.5301	0.0154	0.18962	0.31079
Nitrogen Dioxide	TM16	11	12	25	56	44	53	0.0024	0.0103	0.1097	0.0921	0.4325	0.6456	0.3363		0.0758	0.0629	0.2245	0.5199	1.0725	0.412	0.1588	0.5321	0.0155	0.19681	0.31744
Nitrogen Dioxide	TM16	11	13	25	56	44	49	0.0024	0.0103	0.1097	0.0921	0.4325	0.6456	0.3363		0.0758	0.0629	0.2245	0.5199	1.0725	0.412	0.1588	0.5321	0.0155	0.19055	0.30734
Nitrogen Dioxide	TM16	11	14	26	57	44	48	0.0023	0.0101	0.1087	0.0913	0.4268	0.6363	0.3318		0.0747	0.0621	0.2215	0.513	1.0582	0.4066	0.1566	0.525	0.0151	0.19174	0.30926
Nitrogen Dioxide	TM16	11	15	26	57	44	56	0.0023	0.0101	0.1084	0.091	0.4251	0.6336	0.3305		0.0744	0.0618	0.2206	0.511	1.054	0.4049	0.156	0.5229	0.015	0.17724	0.28588
Nitrogen Dioxide	TM16	11	16	25	58	44	53	0.0023	0.0102	0.1091	0.0917	0.4293	0.6405	0.3338		0.0752	0.0625	0.2228	0.5161	1.0646	0.409	0.1576	0.5282	0.0153	0.19536	0.31509
Nitrogen Dioxide	TM16	11	17	24	61	44	53	0.0023	0.0101	0.1087	0.0914	0.4275	0.6374	0.3324		0.0748	0.0622	0.2218	0.5138	1.0599	0.4072	0.1569	0.5259	0.0152	0.1945	0.31371
Nitrogen Dioxide	TM16	11	18	23	66	44	56	0.0023	0.0101	0.109	0.0916	0.429	0.6406	0.3336		0.0751	0.0625	0.2226	0.5157	1.0639	0.4087	0.1575	0.5278	0.0154	0.17886	0.28849
Nitrogen Dioxide	TM16	11	19	23	70	44	58	0.0023	0.0099	0.108	0.0908	0.4234	0.6314	0.3292		0.0741	0.0616	0.2197	0.5089	1.0498	0.4033	0.1554	0.5208	0.015	0.18703	0.30166
Nitrogen Dioxide	TM16	11	20	22	70	44	42	0.0023	0.0101	0.1091	0.0917	0.4295	0.642	0.334		0.0753	0.0626	0.2229	0.5163	1.065	0.4092	0.1576	0.5284	0.0156	0.12699	0.20482
Nitrogen Dioxide	TM16	11	21	22	72	44	23	0.0023	0.01	0.1086	0.0913	0.4269	0.6377	0.3319		0.0748	0.0622	0.2215	0.5131	1.0584	0.4066	0.1567	0.5251	0.0154	0.12999	0.20966
Nitrogen Dioxide	TM16	11	22	22	74	44	11	0.0023	0.0099	0.1081	0.0909	0.4242	0.6334	0.3298		0.0743	0.0618	0.2201	0.5099	1.0519	0.4041	0.1557	0.5219	0.0153	0.15647	0.25238
Nitrogen Dioxide	TM16	11	23	22	74	44	3	0.0023	0.0099	0.1081	0.0909	0.4242	0.6334	0.3298		0.0743	0.0618	0.2201	0.5099	1.0519	0.4041	0.1557	0.5219	0.0153	0.00483	0.0078
Nitrogen Dioxide	TM16	11	24	21	74	44	0	0.0023	0.0102	0.1092	0.0918	0.4303	0.644	0.3346		0.0755	0.0627	0.2233	0.5173	1.0671	0.41	0.1579	0.5294	0.0157	0	0
Nitrogen Dioxide	TM16	12	1	16	68	44	2	0.0028	0.0121	0.1152	0.0965	0.4615	0.6983	0.3588		0.0814	0.0677	0.2396	0.5547	1.1443	0.4396	0.1694	0.5677	0.0186	0.00745	0.01202
Nitrogen Dioxide	TM16	12	2	16	69	44	2	0.0028	0.0121	0.115	0.0964	0.4606	0.6969	0.3581		0.0812	0.0675	0.2392	0.5537	1.1421	0.4388	0.1691	0.5666	0.0186	0.00745	0.01202
Nitrogen Dioxide	TM16	12	3	16	69	44	0	0.0028	0.0121	0.115	0.0964	0.4606	0.6969	0.3581		0.0812	0.0675	0.2392	0.5537	1.1421	0.4388	0.1691	0.5666	0.0186	0	0
Nitrogen Dioxide	TM16	12	4	15	70	44	0	0.0028	0.0124	0.1157	0.0968	0.4637	0.7028	0.3606		0.0819	0.068	0.2408	0.5575	1.1499	0.4418	0.1702	0.5705	0.0189	0	0
Nitrogen Dioxide	TM16	12	5	15	70	44	0	0.0028	0.0124	0.1157	0.0968	0.4637	0.7028	0.3606		0.0819	0.068	0.2408	0.5575	1.1499	0.4418	0.1702	0.5705	0.0189	0	0
Nitrogen Dioxide	TM16	12	6	15	70	44	1	0.0028	0.0124	0.1157	0.0968	0.4637	0.7028	0.3606		0.0819	0.068	0.2408	0.5575	1.1499	0.4418	0.1702	0.5705	0.0189	0.0028	0.00452
Nitrogen Dioxide	TM16	12	7	15	70	44	12	0.0028	0.0124	0.1157	0.0968	0.4637	0.7028	0.3606		0.0819	0.068	0.2408	0.5575	1.1499	0.4418	0.1702	0.5705	0.0189	0.14552	0.2347
Nitrogen Dioxide	TM16	12	8	15	69	44	24	0.0028	0.0125	0.1158	0.097	0.4646	0.7042	0.3612		0.082	0.0682	0.2412	0.5585	1.152	0.4426	0.1705	0.5715	0.019	0.19912	0.32116
Nitrogen Dioxide	TM16	12	9	16	65	44	55	0.0028	0.0123	0.1157	0.0969	0.4642	0.7027	0.3609		0.0819	0.0681	0.241	0.558	1.151	0.4422	0.1704	0.571	0.0188	0.28301	0.45646
Nitrogen Dioxide	TM16	12	10	17	62	44	59	0.0027	0.0121	0.1154	0.0967	0.4631	0.7001	0.36		0.0816	0.0678	0.2404	0.5566	1.1482	0.4411	0.17	0.5696	0.0186	0.28295	0.45638
Nitrogen Dioxide	TM16	12	11	18	58	44	60	0.0027	0.0118	0.1153	0.0967	0.4631	0.6994	0.36		0.0816	0.0678	0.2404	0.5567	1.1483	0.4411	0.17	0.5697	0.0184	0.20738	0.33448
Nitrogen Dioxide	TM16	12	12	19	57	44	53	0.0026	0.0115	0.1147	0.0963	0.4601	0.6938	0.3578		0.081	0.0673	0.2389	0.5531	1.141	0.4383	0.1689	0.5661	0.018	0.20972	0.33826
Nitrogen Dioxide	TM16	12	13	19	56	44	49	0.0026	0.0116	0.1149	0.0965	0.4612	0.6956	0.3586		0.0812	0.0675	0.2395	0.5544	1.1437	0.4394	0.1693	0.5674	0.0181	0.20348	0.32819
Nitrogen Dioxide	TM16	12	14	19	56	44	48	0.0026	0.0116	0.1149	0.0965	0.4612	0.6956	0.3586		0.0812	0.0675	0.2395	0.5544	1.1437	0.4394	0.1693	0.5674	0.0181	0.20748	0.33464
Nitrogen Dioxide	TM16	12	15	19	56	44	56	0.0026	0.0116	0.1149	0.0965	0.4612	0.6956	0.3586		0.0812	0.0675	0.2395	0.5544	1.1437	0.4394	0.1693	0.5674	0.0181	0.13021	0.33103
Nitrogen Dioxide	TM16	12	16	19	57	44	53	0.0026	0.0115	0.1147	0.0963	0.4601	0.6938	0.3578		0.081	0.0673	0.2389	0.5531	1.141	0.4383	0.1689	0.5661	0.018	0.20972	0.33826
Nitrogen Dioxide	TM16	12	17	18	60	44	53	0.0027	0.0117	0.1149	0.0964	0.461	0.6956	0.3585		0.0812	0.0675	0.2394	0.5542	1.1432	0.4392	0.1692	0.5672	0.0183	0.21025	0.33912
Nitrogen Dioxide	TM16	12	18	18	64	44	56	0.0026	0.0116	0.1142	0.0958	0.4569	0.6894	0.3553		0.0805	0.0669	0.2372	0.5493	1.133	0.4353	0.1677	0.5621	0.018	0.19074	0.30764
Nitrogen Dioxide	TM16	12	19	17	65	44	58	0.0027	0.0119	0.1149	0.0963	0.4602	0.6954	0.3578		0.0811	0.0674	0.2389	0.5532	1.1411	0.4384	0.1689	0.5661	0.0184	0.20373	0.3286
Nitrogen Dioxide	TM16	12	20	17	66	44	42	0.0027	0.0118	0.1147	0.0962	0.4592	0.6938	0.357		0.0809	0.0673	0.2384	0.552	1.1387	0.4375	0.1685	0.5649	0.0183	0.13591	0.21921
Nitrogen Dioxide	TM16	12	21	17	66	44	23	0.0027	0.0118	0.1147	0.0962	0.4592	0.6938	0.357		0.0809	0.0673	0.2384	0.552	1.1387	0.4375	0.1685	0.5649	0.0183	0.13975	0.22541
Nitrogen Dioxide	TM16	12	22	16	66	44	11	0.0028	0.0122	0.1155	0.0968	0.4633	0.7013	0.3602		0.0817	0.0679	0.2406	0.5569	1.1488	0.4413	0.17	0.5699	0.0187	0.1714	0.27645
Nitrogen Dioxide	TM16	12	23	16	66	44	3	0.0028	0.0122	0.1155	0.0968	0.4633	0.7013	0.3602		0.0817	0.0679	0.2406	0.5569	1.1488	0.4413	0.17	0.5699	0.0187	0.00593	0.00957
Nitrogen Dioxide	TM16	12	24	16	67	44	0	0.0028	0.0122	0.1153	0.0966	0.4624	0.6998	0.3595		0.0816	0.0678	0.2401	0.5558	1.1465	0.4405	0.1697	0.5688	0.0187	0	0
Nitrogen Dioxide	R1	1	1	17	76	10	0	0.0054	0.0225	0.236	0.2105	0.9188	1.5736	1.0633		0.2029	0.1691	0.6112	1.4179	2.5949	1.2758	0.4314	1.7559	0.0228	0	0
Nitrogen Dioxide	R1	1	2	17	77	10	0	0.0054	0.0225	0.2357	0.2102	0.9169	1.57	1.0611		0.2025	0.1688	0.6099	1.4149	2.5894	1.2731	0.4305	1.7521	0.0227	0	0
Nitrogen Dioxide	R1	1	3	17	77	10	0	0.0054	0.0225	0.2357	0.2102	0.9169	1.57	1.0611		0.2025	0.1688	0.6099	1.4149	2.5894	1.2731	0.4305	1.7521	0.0227	0	0
Nitrogen Dioxide	R1	1	4	17	77	10	0	0.0054	0.0225	0.2357	0.2102	0.9169	1.57	1.0611		0.2025	0.1688	0.6099	1.4149	2.5894	1.2731	0.4305	1.7521	0.0227	0	0
Nitrogen Dioxide	R1	1	5	17	78	10	0	0.0053	0.0224	0.2353	0.2099	0.9149	1.5663	1.0588		0.2021	0.1684	0.6086	1.4119	2.5839	1.2704	0.4295	1.7484	0.0226	0	0
Nitrogen Dioxide	R1	1	6	17	77	10	0	0.0054	0.0225	0.2357	0.2102	0.9169	1.57	1.0611		0.2025	0.1688

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:

(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.

(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Dioxide	R1	3	16	23	77	10	258	0.0045	0.0188	0.2222	0.1981	0.8449	1.4258	0.9778		0.1857	0.1549	0.5618	1.3039	2.3862	1.1732	0.3967	1.6147	0.0186	1.04378	1.68352
Nitrogen Dioxide	R1	3	17	22	79	10	282	0.0046	0.0191	0.2237	0.1995	0.8533	1.4429	0.9875		0.1877	0.1565	0.5674	1.3168	2.4098	1.1848	0.4006	1.6306	0.0191	1.05533	1.70214
Nitrogen Dioxide	R1	3	18	22	82	10	248	0.0045	0.0188	0.2222	0.1981	0.8452	1.4278	0.9781		0.1858	0.155	0.562	1.3042	2.3869	1.1735	0.3968	1.6151	0.0188	1.04701	1.68872
Nitrogen Dioxide	R1	3	19	21	84	10	89	0.0046	0.0191	0.2238	0.1996	0.8539	1.4457	0.9882		0.1879	0.1567	0.5679	1.3178	2.4117	1.1857	0.4009	1.6319	0.0193	1.05503	1.70165
Nitrogen Dioxide	R1	3	20	21	85	10	0	0.0046	0.019	0.2234	0.1992	0.8514	1.441	0.9853		0.1873	0.1562	0.5662	1.3139	2.4045	1.1822	0.3997	1.627	0.0192	0	0
Nitrogen Dioxide	R1	3	21	21	86	10	0	0.0045	0.0189	0.2229	0.1987	0.8489	1.4363	0.9824		0.1867	0.1557	0.5645	1.3099	2.3973	1.1787	0.3985	1.6222	0.0191	0	0
Nitrogen Dioxide	R1	3	22	21	86	10	0	0.0045	0.0189	0.2229	0.1987	0.8489	1.4363	0.9824		0.1867	0.1557	0.5645	1.3099	2.3973	1.1787	0.3985	1.6222	0.0191	0	0
Nitrogen Dioxide	R1	3	23	21	85	10	0	0.0046	0.019	0.2234	0.1992	0.8514	1.441	0.9853		0.1873	0.1562	0.5662	1.3139	2.4045	1.1822	0.3997	1.627	0.0192	0	0
Nitrogen Dioxide	R1	3	24	21	86	10	0	0.0045	0.0189	0.2229	0.1987	0.8489	1.4363	0.9824		0.1867	0.1557	0.5645	1.3099	2.3973	1.1787	0.3985	1.6222	0.0191	0	0
Nitrogen Dioxide	R1	4	1	20	83	10	0	0.0047	0.0197	0.2267	0.2022	0.8697	1.4767	1.0065		0.1916	0.1597	0.5784	1.3422	2.4563	1.2077	0.4083	1.6621	0.0201	0	0
Nitrogen Dioxide	R1	4	2	20	85	10	0	0.0047	0.0196	0.2259	0.2014	0.865	1.4679	1.001		0.1905	0.1588	0.5752	1.3348	2.4429	1.2011	0.4061	1.653	0.0199	0	0
Nitrogen Dioxide	R1	4	3	20	84	10	0	0.0047	0.0197	0.2263	0.2018	0.8674	1.4723	1.0038		0.191	0.1593	0.5768	1.3385	2.4496	1.2044	0.4072	1.6575	0.02	0	0
Nitrogen Dioxide	R1	4	4	20	85	10	0	0.0047	0.0196	0.2259	0.2014	0.865	1.4679	1.001		0.1905	0.1588	0.5752	1.3348	2.4429	1.2011	0.4061	1.653	0.0199	0	0
Nitrogen Dioxide	R1	4	5	19	84	10	0	0.0048	0.0202	0.2286	0.204	0.88	1.4976	1.0184		0.194	0.1617	0.5853	1.358	2.4853	1.222	0.4132	1.6817	0.0207	0	0
Nitrogen Dioxide	R1	4	6	19	84	10	0	0.0048	0.0202	0.2286	0.204	0.88	1.4976	1.0184		0.194	0.1617	0.5853	1.358	2.4853	1.222	0.4132	1.6817	0.0207	0	0
Nitrogen Dioxide	R1	4	7	20	84	10	0	0.0047	0.0197	0.2263	0.2018	0.8674	1.4723	1.0038		0.191	0.1593	0.5768	1.3385	2.4496	1.2044	0.4072	1.6575	0.02	0	0
Nitrogen Dioxide	R1	4	8	21	79	10	0	0.0047	0.0196	0.2262	0.2017	0.8666	1.4693	1.003		0.1908	0.1591	0.5763	1.3374	2.4476	1.2034	0.4069	1.6562	0.0198	0	0
Nitrogen Dioxide	R1	4	9	22	73	10	139	0.0047	0.0197	0.2267	0.2022	0.8696	1.4773	1.0063		0.1914	0.1596	0.5783	1.3419	2.4558	1.2074	0.4082	1.6617	0.0198	1.07681	1.73679
Nitrogen Dioxide	R1	4	10	23	69	10	290	0.0047	0.0196	0.2264	0.202	0.868	1.4685	1.0046		0.191	0.1592	0.5773	1.3395	2.4515	1.2053	0.4075	1.6588	0.0196	1.07498	1.73385
Nitrogen Dioxide	R1	4	11	23	68	10	272	0.0047	0.0197	0.2269	0.2024	0.8709	1.4738	1.0079		0.1917	0.1598	0.5792	1.344	2.4597	1.2094	0.4089	1.6644	0.0197	1.07641	1.73615
Nitrogen Dioxide	R1	4	12	24	65	10	252	0.0047	0.0195	0.2257	0.2013	0.8642	1.46	1.0002		0.1901	0.1585	0.5747	1.3337	2.4408	1.2001	0.4057	1.6516	0.0193	1.06953	1.72506
Nitrogen Dioxide	R1	4	13	24	65	10	244	0.0047	0.0196	0.2263	0.2018	0.8673	1.4657	1.0037		0.1908	0.1591	0.5768	1.3384	2.4495	1.2043	0.4072	1.6575	0.0194	1.07186	1.72881
Nitrogen Dioxide	R1	4	14	24	66	10	218	0.0047	0.0195	0.2257	0.2013	0.8642	1.46	1.0002		0.1901	0.1585	0.5747	1.3337	2.4408	1.2001	0.4057	1.6516	0.0193	1.06769	1.72209
Nitrogen Dioxide	R1	4	15	24	66	10	264	0.0047	0.0195	0.2257	0.2013	0.8642	1.46	1.0002		0.1901	0.1585	0.5747	1.3337	2.4408	1.2001	0.4057	1.6516	0.0193	1.06987	1.72559
Nitrogen Dioxide	R1	4	16	24	67	10	258	0.0046	0.0194	0.2252	0.2008	0.8612	1.4543	0.9966		0.1894	0.1579	0.5726	1.3289	2.4321	1.1958	0.4043	1.6457	0.0191	1.06401	1.71615
Nitrogen Dioxide	R1	4	17	23	69	10	282	0.0047	0.0196	0.2264	0.202	0.868	1.4685	1.0046		0.191	0.1592	0.5773	1.3395	2.4515	1.2053	0.4075	1.6588	0.0196	1.07369	1.73176
Nitrogen Dioxide	R1	4	18	23	74	10	248	0.0047	0.0196	0.2262	0.2018	0.8668	1.4679	1.0032		0.1908	0.1591	0.5765	1.3377	2.4481	1.2032	0.4074	1.6563	0.0197	1.0744	1.73291
Nitrogen Dioxide	R1	4	19	22	76	10	89	0.0046	0.0194	0.2252	0.2008	0.8614	1.4579	0.9969		0.1895	0.158	0.5728	1.3293	2.4328	1.1961	0.4044	1.6462	0.0195	1.06424	1.71651
Nitrogen Dioxide	R1	4	20	21	79	10	0	0.0047	0.0196	0.2262	0.2017	0.8666	1.4693	1.003		0.1908	0.1591	0.5763	1.3374	2.4476	1.2034	0.4069	1.6562	0.0198	0	0
Nitrogen Dioxide	R1	4	21	21	80	10	0	0.0047	0.0195	0.2257	0.2013	0.8641	1.4646	1		0.1902	0.1586	0.5747	1.3335	2.4404	1.1999	0.4057	1.6513	0.0197	0	0
Nitrogen Dioxide	R1	4	22	21	81	10	0	0.0046	0.0194	0.2252	0.2009	0.8616	1.4598	0.9971		0.1896	0.1581	0.573	1.3295	2.4332	1.1963	0.4043	1.6465	0.0196	0	0
Nitrogen Dioxide	R1	4	23	21	82	10	0	0.0046	0.0193	0.2248	0.2004	0.8591	1.4551	0.9941		0.1891	0.1576	0.5713	1.3256	2.426	1.1928	0.4033	1.6416	0.0195	0	0
Nitrogen Dioxide	R1	4	24	20	82	10	0	0.0047	0.0198	0.2272	0.2026	0.8721	1.4811	1.0093		0.1921	0.1602	0.58	1.3458	2.463	1.211	0.4094	1.6666	0.0202	0	0
Nitrogen Dioxide	R1	5	1	26	91	10	0	0.0037	0.0152	0.2047	0.1821	0.75	1.2494	0.8679		0.1641	0.137	0.4985	1.1573	2.118	1.0414	0.3521	1.4332	0.0145	0	0
Nitrogen Dioxide	R1	5	2	25	92	10	0	0.0038	0.0158	0.2076	0.1847	0.7658	1.2786	0.8863		0.1677	0.14	0.5091	1.1818	2.1628	1.0634	0.3595	1.4635	0.0152	0	0
Nitrogen Dioxide	R1	5	3	25	92	10	0	0.0038	0.0158	0.2076	0.1847	0.7658	1.2786	0.8863		0.1677	0.14	0.5091	1.1818	2.1628	1.0634	0.3595	1.4635	0.0152	0	0
Nitrogen Dioxide	R1	5	4	25	91	10	0	0.0038	0.0159	0.2082	0.1853	0.7691	1.2847	0.8901		0.1684	0.1407	0.5113	1.1869	2.1721	1.068	0.3611	1.4698	0.0153	0	0
Nitrogen Dioxide	R1	5	5	25	92	10	0	0.0038	0.0158	0.2076	0.1847	0.7658	1.2786	0.8863		0.1677	0.14	0.5091	1.1818	2.1628	1.0634	0.3595	1.4635	0.0152	0	0
Nitrogen Dioxide	R1	5	6	25	93	10	0	0.0038	0.0156	0.207	0.1842	0.7625	1.2726	0.8825		0.167	0.1394	0.5069	1.1767	2.1536	1.0588	0.358	1.4572	0.0151	0	0
Nitrogen Dioxide	R1	5	7	26	91	10	0	0.0037	0.0152	0.2047	0.1821	0.75	1.2494	0.8679		0.1641	0.137	0.4985	1.1573	2.118	1.0414	0.3521	1.4332	0.0145	0	0
Nitrogen Dioxide	R1	5	8	27	85	10	0	0.0037	0.0154	0.2052	0.1824	0.7521	1.2533	0.8703		0.1646	0.1374	0.4999	1.1606	2.124	1.0443	0.3531	1.4372	0.0146	0	0
Nitrogen Dioxide	R1	5	9	28	80	10	139	0.0038	0.0156	0.2052	0.1824	0.752	1.2531	0.8702		0.1646	0.1374	0.4998	1.1604	2.1237	1.0442	0.353	1.437	0.0146	0.92805	1.49685
Nitrogen Dioxide	R1	5	10	28	78	10	290	0.0038	0.0159	0.2067	0.1837	0.7599	1.2676	0.8794		0.1664	0.1389	0.5051	1.1726	2.146	1.0551	0.3567	1.4521	0.015	0.93983	1.51339
Nitrogen Dioxide	R1	5	11	27	77	10	272	0.0037	0.0154	0.2052	0.1824	0.7512	1.2402	0.8621		0.1643	0.1363	0.4952	1.1496	2.1039	1.0344	0.3497	1.4236	0.0144	0.91779	1.48031
Nitrogen Dioxide	R1	5	12	29	75	10	252	0.0038	0.0159	0.2055	0.1826	0.7533	1.2556	0.8718		0.1649	0.1377	0.5007	1.1625	2.1275	1.046	0.3537	1.4396	0.0147	0.92967	1.49948
Nitrogen Dioxide	R1	5	13	29	74	10	244	0.0039	0.016	0.2063	0.1833	0.7575	1.2633	0.8766		0.1658	0.1385	0.5035	1.169	2.1393	1.0518	0.3556	1.4476	0.0149	0.93365	1.50589
Nitrogen Dioxide	R1	5	14	29	75	10	218	0.0038	0.0159	0.2055	0.1826	0.7533	1.2556	0.8718		0.1649	0.1377	0.5007	1.1625	2.1275	1.046	0.3537	1.4396	0.0147	0.92814	1.497
Nitrogen Dioxide	R1	5	15	29	75	10	264	0.0038	0.0159	0.2055	0.1826	0.7533	1.2556	0.8718		0.1649	0.1377	0.5007	1.1625	2.1275	1.046	0.3537	1.4396	0.0147	0.92595	1.49992
Nitrogen Dioxide	R1	5	16	29	77	10	258	0.0037	0.0155	0.204	0.1812	0.7449	1.2402	0.8621		0.1643	0.1363	0.4952	1.1496	2.1039	1.0344	0.3497	1.4236	0.0144	0.91779	1.48031
Nitrogen Dioxide	R1	5	17	28	78	10	282	0.0038	0.0159	0.2067	0.1837	0.7599	1.2676	0.8794		0.1664	0.1389	0.5051	1.1726	2.146	1.0551	0.3567	1.4521	0.015	0.93722	1.51164
Nitrogen Dioxide	R1	5	18	28	81	10	248	0.0037	0.0154	0.2045	0.1818	0.748	1.2458	0.8657		0.1637	0.1367	0.4972	1.1543	2.1126	1.0387	0.3512	1.4295	0.0145	0.92394	1.49023
Nitrogen Dioxide	R1	5	19	27	87	10	89	0.0037	0.0156	0.2059	0.1831	0.7558	1.2601	0.8746		0.1654	0.1381	0.5024	1.1663	2.1345	1.0494	0.3548	1.4443	0.0148	0.93091	1.50147
Nitrogen Dioxide	R1	5	20	27	87	10	0	0.0036	0.0151	0.2038	0.1812	0.7446	1.2396	0.8618		0.1629	0.136	0.495	1.1491	2.103	1.034	0.3496	1.423	0.0143	0	0
Nitrogen Dioxide	R1	5	21	27	88	10	0	0.0036	0.015	0.2031	0.1806	0.7409	1.2328	0.8575		0.162	0.1354	0.4925	1.1434	2.0925	1.0288	0.3479	1.4159	0.0142	0	0
Nitrogen Dioxide	R1	5	22	26	89	10	0	0.0037	0.0155	0.206	0.1833	0.7569	1.2623	0.876		0.1657	0.1384	0.5032	1.1681	2.1377	1.0511	0.3554	1.4465	0.0148	0	0
Nitrogen Dioxide	R1	5	23	26	89	10	0	0.0037	0.0155	0.206	0.1833	0.7569	1.2623	0.876		0.1657	0.1384	0.5032	1.1681	2.1377	1.0511	0.3554	1.4465	0.0148	0	0
Nitrogen Dioxide	R1	5	24	26	90	10	0	0.0037	0.0154	0.2054	0.1827	0.7535	1.2558	0.8719		0.1649	0.1377	0.5008	1.1627	2.1279	1.0462	0.3537	1.4398	0.0147	0	0
Nitrogen Dioxide	R1	6	1	28	88	10	0	0.0035	0.0144	0.1994	0.1771	0.7204	1.195	0.8337		0.1574	0.1315	0.4788	1.1117	2.0346	1.0004	0.3382	1.3767	0.0133	0	0
Nitrogen Dioxide	R1	6	2	27	89	10	0	0.0036	0.0148	0.2024	0.1799	0.7372	1.2259	0.8532		0.1612	0.1347	0.49	1.1377	2.0821	1.0237	0.3461	1.4088	0.014	0	0
Nitrogen Dioxide	R1	6	3	27	89	10	0	0.0036	0.0148	0.2024	0.1799	0.7372	1.2259	0.8532		0.1612	0.1347	0.49	1.1377	2.0821	1.0237	0.3461	1.4088	0.014	0	0
Nitrogen Dioxide	R1	6	4	27	89	10	0	0.0036	0.015	0.2031	0.1806	0.7409	1.2328	0.8575		0.162	0.1354	0.4925	1.1434	2.0925	1.0288	0.3479	1.4159	0.0142	0	0
Nitrogen Dioxide	R1	6	5	27	89	10	0	0.0036	0.0148	0.2024	0.1799	0.7372	1.2259	0.8532		0.1612	0.1347	0.49	1.1377	2.0821	1.0237	0.3461	1.4088	0.014	0	0
Nitrogen Dioxide	R1	6	6	27	90	10	0	0.0035	0.0147	0.2018	0.1793	0.7335	1.2191	0.8489		0.1604	0.134	0.4875	1.1319	2.0716	1.0185	0.3444	1.4017	0.0139	0	0
Nitrogen Dioxide	R1	6	7	28	87	10	0	0.0035	0.0145	0.2001	0.1778	0.7244	1.2022	0.8363		0.1583	0.1322	0.4814	1.1178	2.0457	1.0058	0.3401	1.3843	0.0135	0	0
Nitrogen Dioxide	R1	6	8	29	82	10	0	0.0035	0.0147	0.2001	0.1777	0.724	1.2016	0.8379		0.1582	0.1322	0.4812	1.1173	2.0447	1.0053	0.3399	1.3836	0.0135	0	0
Nitrogen Dioxide	R1	6	9	29	76	10	139	0.0037	0.0152	0.2024	0.1798	0.7366	1.2247	0.8524		0.1611	0.1345	0.4896	1.1366	2.0802	1.0228	0.3458	1.4076	0.014	0.90865	1.46556
Nitrogen Dioxide	R1	6	10	30	76	10	290	0.0036	0.0151	0.2012	0.1787	0.7296	1.2118	0.8443		0.1595	0.1332	0.4849	1.1259	2.0605	1.0131	0.3425	1.3942	0.0137	0.90006	1.45171
Nitrogen Dioxide	R1	6	11	30	75	10	272	0.0037	0.0153	0.202	0.1794	0.734	1.22	0.8495		0.1605	0.1341	0.4879	1.1327	2.073	1.0192	0.3446	1.4027	0.0139	0.90399	1.45804
Nitrogen Dioxide	R1	6	12	30	74	10	252	0.0037	0.0155	0.2029	0.1801	0.7385	1.2282	0.8546		0.1615	0.1349	0.4908	1.1396	2.0856	1.0254	0.3467	1.4112	0.0141	0.91094	1.46925
Nitrogen Dioxide	R1	6	13	31	73	10	244	0.0036	0.0151	0.2001	0.1776	0.7232	1.2001	0.837		0.158	0.1321	0.4807	1.1161	2.0425	1.0042	0.3395	1.3821	0.0135	0.89057	1.43641
Nitrogen Dioxide	R1	6	14	31	72	10	218	0.0037	0.0153	0.201	0.1784	0.7279	1.2088	0.8424		0.1591	0.1333	0.4838	1.1233	2.0558	1.0108	0.3418	1.3911	0.0137	0.89618	1.44546
Nitrogen Dioxide	R1	6	15	30	74	10	264	0.0037	0.0155	0.2029	0.1801	0.7385	1.2282	0.8546		0.1615	0.1349	0.4908	1.1396	2.0856	1.0254	0.3467	1.4112	0.0141	0.91121	1.46969
Nitrogen Dioxide	R1	6	16	30	74	10	258	0.0037	0.0155	0.2029	0.1801	0.7385	1.2282	0.8546		0.1615	0.1349	0.4908	1.1396	2.0856	1.0254	0.3467	1.4112	0.0141	0.90963	1.46714
Nitrogen Dioxide	R1	6	17	30	75	10	282	0.0037	0.0153	0.202	0.1794	0.734	1.22	0.8495		0.1605	0.1341	0.4879	1.1327	2.073	1.0192	0.3446	1.4027	0.0139	0.90468	1.45916
Nitrogen Dioxide	R1	6	18	29	79	10	248	0.0037	0.0152	0.2024	0.1798	0.7366	1.2247	0.8524		0.1611	0.1345	0.4896	1.1366	2.0802	1.0228	0.3458	1.4076	0.014	0.90943	1.46685
Nitrogen Dioxide	R1	6	19	29	81	10	89	0.0036	0.0148	0.2009	0.1784	0.7282	1.2093	0.8427		0.1592	0.1333	0.4841	1.1237	2.0565	1.0111	0.3419	1.3916	0.0137	0.89625	1.44556
Nitrogen Dioxide	R1	6	20	28	83	10	0	0.0036	0.0151	0.203	0.1804	0.7401	1.2313	0.8565		0.1619	0.1352	0.4919	1.1422	2.0903	1.0277	0.3475	1.4144	0.0141	0	0
Nitrogen Dioxide	R1	6	21	28	85	10	0	0.0036	0.0148	0.2016	0.1791	0.7321	1.2168	0.8474		0.1601	0.1337	0.4867	1.133	2.068	1.0168	0.3453	1.3993	0.0138	0	0
Nitrogen Dioxide	R1	6	22	28	86	10	0	0.0035	0.0147	0.2009	0.1784	0.7283	1.2095	0.8429		0.1592	0.1333	0.4841	1.1239	2.0569	1.0113	0.3419	1.3918	0.0137	0	0
Nitrogen Dioxide	R1	6	23	28	87	10	0	0.0035	0.0145	0.2001	0.1778	0.7244	1.2022	0.8383		0.1583	0.1322	0.4814	1.1178	2.0457	1.0058	0.3401	1.3843	0.0135	0	0
Nitrogen Dioxide	R1	6	24	28	87	10	0	0.0035	0.0145	0.2001	0.1778	0.7244	1.2022	0.8383		0.1583	0.1322	0.4814	1.1178	2.0457	1.0058	0.3401	1.3843	0.0135	0	0
Nitrogen Dioxide	R1	7	1	28	84	10	0	0.0036	0.015	0.2023	0.1798	0.7362	1.224	0.852		0.161	0.1345	0.4893	1.1361	2.0792	1.0223	0.3456	1.4069	0.014	0	0
Nitrogen Dioxide	R1	7	2	28	84	10	0	0.0036	0.015	0.2023	0.1798	0.7362	1.224	0.852		0.161	0.1345	0.4893	1.1361	2.0792	1.0223	0.3456	1.4069	0.014	0	0
Nitrogen Dioxide	R1	7	3	28	86	10	0	0.0035	0.0147	0.2009	0.1784	0.7283	1.2095	0.8429		0.1592	0.1333	0.4841	1.1239	2.0569	1.0113	0.3419	1.3918	0.0137	0	0
Nitrogen Dioxide	R1	7	4	28	86	10	0	0.0035	0.0147	0.2009	0.1784	0.7283	1.2095	0.8429		0.1592	0.1333	0.4841	1.1239	2.0569	1.0113	0.3419	1.3918	0.0137	0	0
Nitrogen Dioxide	R1	7	5	28	88	10	0	0.0035	0.0144	0.1994	0.1771	0.7204	1.195	0.8337		0.1574	0.1315	0.4788	1.1117	2.0346	1.0004	0.3382	1.3767	0.0133	0	0
Nitrogen Dioxide	R1	7	6	27	88	10	0	0.0036	0.015	0.2031	0.1806	0.7409	1.2328	0.8575		0.162	0.1354	0.4925	1.1434	2.0925	1.0288	0.3479	1.4159	0.0142	0	0
Nitrogen Dioxide	R1	7	7	28	86	10	0	0.0035	0.0147	0.2009	0.1784	0.7283	1.2095	0.8429		0.1592	0.1333	0.4841	1.1239	2.0569	1.0113	0.3419	1.3918	0.0137	0	0
Nitrogen Dioxide	R1	7	8	29	81	10	0	0.0036	0.0148	0.2009	0.1784	0.7282	1.2093	0.8427		0.1592	0.1333	0.4841	1.1237	2.0565	1.0111	0.3419	1.3916	0.0137	0	0
Nitrogen Dioxide	R1	7	9	30	76	10	139	0.0036	0.0151	0.2012	0.1787	0.7296	1.2118	0.8443		0.1595	0.1332	0.4849	1.1259	2.0605	1.0131	0.3425	1.3942	0.0137	0.89982	1.45133
Nitrogen Dioxide	R1	7	10	31	70	10	290	0.0038	0.0157	0.2027	0.18	0.7374	1.2262	0.8533		0.1612	0.1347	0.4901	1.1379	2.0825	1.0239	0.3462	1.4091	0.0141	0.90988	1.46755
Nitrogen Dioxide	R1	7	11	31	68	10	272	0.0039	0.0161	0.2045	0.1815	0.7468	1.2436	0.8643		0.1634	0.1365	0.4964	1.1524	2.1091	1.037	0.3506	1.4273	0.0144	0.92008	1.484
Nitrogen Dioxide	R1	7	12	32	67	10	252	0.0038	0.0158	0.2019	0.1792	0.7326	1.2174	0.8478		0.1602	0.1339	0.4869	1.1305	2.0689	1.0172	0.3439	1.3999	0.0139	0.90353	1.45731
Nitrogen Dioxide	R1	7	13	32	66	10	244	0.0038	0

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:

(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.

(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Dioxide	R1	9	21	27	87	10	0	0.0036	0.0151	0.2038	0.1812	0.7446	1.2396	0.8618		0.1629	0.136	0.495	1.1491	2.103	1.034	0.3496	1.423	0.0143	0	0
Nitrogen Dioxide	R1	9	22	27	89	10	0	0.0036	0.0148	0.2024	0.1799	0.7372	1.2259	0.8532		0.1612	0.1347	0.49	1.1377	2.0821	1.0237	0.3461	1.4088	0.014	0	0
Nitrogen Dioxide	R1	9	23	27	89	10	0	0.0036	0.0148	0.2024	0.1799	0.7372	1.2259	0.8532		0.1612	0.1347	0.49	1.1377	2.0821	1.0237	0.3461	1.4088	0.014	0	0
Nitrogen Dioxide	R1	9	24	27	89	10	0	0.0037	0.0155	0.206	0.1833	0.7569	1.2623	0.876		0.1657	0.1384	0.5032	1.1681	2.1377	1.0511	0.3554	1.4465	0.0148	0	0
Nitrogen Dioxide	R1	10	1	24	74	10	0	0.0045	0.0186	0.2212	0.1972	0.8396	1.4146	0.9717		0.1845	0.1539	0.5583	1.2957	2.3712	1.1658	0.3942	1.6045	0.0182	0	0
Nitrogen Dioxide	R1	10	2	23	74	10	0	0.0046	0.0191	0.2238	0.1995	0.8536	1.4418	0.9878		0.1877	0.1565	0.5676	1.3172	2.4107	1.1853	0.4007	1.6312	0.019	0	0
Nitrogen Dioxide	R1	10	3	23	74	10	0	0.0046	0.0191	0.2238	0.1995	0.8536	1.4418	0.9878		0.1877	0.1565	0.5676	1.3172	2.4107	1.1853	0.4007	1.6312	0.019	0	0
Nitrogen Dioxide	R1	10	4	23	75	10	0	0.0045	0.019	0.2232	0.199	0.8507	1.4365	0.9845		0.1871	0.156	0.5657	1.3128	2.4026	1.1813	0.3994	1.6257	0.0188	0	0
Nitrogen Dioxide	R1	10	5	23	74	10	0	0.0046	0.0191	0.2238	0.1995	0.8536	1.4418	0.9878		0.1877	0.1565	0.5676	1.3172	2.4107	1.1853	0.4007	1.6312	0.019	0	0
Nitrogen Dioxide	R1	10	6	23	75	10	0	0.0045	0.019	0.2232	0.199	0.8507	1.4365	0.9845		0.1871	0.156	0.5657	1.3128	2.4026	1.1813	0.3994	1.6257	0.0188	0	0
Nitrogen Dioxide	R1	10	7	23	75	10	0	0.0045	0.019	0.2232	0.199	0.8507	1.4365	0.9845		0.1871	0.156	0.5657	1.3128	2.4026	1.1813	0.3994	1.6257	0.0188	0	0
Nitrogen Dioxide	R1	10	8	23	72	10	0	0.0046	0.0193	0.2248	0.2005	0.8594	1.4525	0.9945		0.189	0.1576	0.5715	1.3262	2.427	1.1933	0.4035	1.6423	0.0192	0	0
Nitrogen Dioxide	R1	10	9	24	69	10	139	0.0046	0.0192	0.224	0.1998	0.855	1.443	0.9895		0.188	0.1568	0.5685	1.3194	2.4147	1.1872	0.4014	1.6339	0.0189	1.05801	1.70647
Nitrogen Dioxide	R1	10	10	25	64	10	290	0.0046	0.0194	0.2246	0.2002	0.8576	1.4478	0.9925		0.1886	0.1572	0.5703	1.3235	2.4221	1.1909	0.4026	1.6389	0.019	1.06158	1.71223
Nitrogen Dioxide	R1	10	11	26	61	10	272	0.0046	0.0194	0.2241	0.1997	0.8546	1.4423	0.989		0.1879	0.1567	0.5683	1.3188	2.4136	1.1867	0.4012	1.6332	0.0189	1.05566	1.70268
Nitrogen Dioxide	R1	10	12	27	60	10	252	0.0046	0.0192	0.2223	0.198	0.8448	1.4242	0.9777		0.1857	0.1548	0.5618	1.3037	2.386	1.1731	0.3966	1.6145	0.0185	1.04503	1.68553
Nitrogen Dioxide	R1	10	13	27	59	10	244	0.0046	0.0193	0.223	0.1987	0.8485	1.4311	0.982		0.1865	0.1555	0.5642	1.3094	2.3964	1.1783	0.3984	1.6216	0.0186	1.04826	1.69074
Nitrogen Dioxide	R1	10	14	27	59	10	218	0.0046	0.0193	0.223	0.1987	0.8485	1.4311	0.982		0.1865	0.1555	0.5642	1.3094	2.3964	1.1783	0.3984	1.6216	0.0186	1.04792	1.6902
Nitrogen Dioxide	R1	10	15	27	60	10	264	0.0046	0.0192	0.2223	0.198	0.8448	1.4242	0.9777		0.1857	0.1548	0.5618	1.3037	2.386	1.1731	0.3966	1.6145	0.0185	1.04535	1.68605
Nitrogen Dioxide	R1	10	16	27	62	10	258	0.0045	0.0189	0.2209	0.1968	0.8374	1.4106	0.9691		0.184	0.1534	0.5568	1.2923	2.365	1.1628	0.3931	1.6003	0.0182	1.03413	1.66795
Nitrogen Dioxide	R1	10	17	26	65	10	282	0.0045	0.0188	0.2215	0.1973	0.8407	1.4166	0.9729		0.1847	0.1541	0.559	1.2973	2.3742	1.1673	0.3947	1.6065	0.0183	1.03898	1.67578
Nitrogen Dioxide	R1	10	18	25	67	10	248	0.0045	0.019	0.2227	0.1985	0.8478	1.4297	0.9811		0.1863	0.1554	0.5637	1.3083	2.3943	1.1772	0.398	1.6201	0.0186	1.04984	1.69329
Nitrogen Dioxide	R1	10	19	25	69	10	89	0.0045	0.0187	0.2215	0.1974	0.8412	1.4176	0.9735		0.1849	0.1542	0.5594	1.2982	2.3758	1.1681	0.3949	1.6076	0.0183	1.03837	1.67479
Nitrogen Dioxide	R1	10	20	25	71	10	0	0.0044	0.0185	0.2203	0.1963	0.8347	1.4055	0.966		0.1834	0.1529	0.555	1.2881	2.3573	1.159	0.3919	1.5951	0.018	0	0
Nitrogen Dioxide	R1	10	21	24	71	10	0	0.0045	0.0189	0.2229	0.1987	0.8488	1.4316	0.9823		0.1866	0.1556	0.5644	1.3099	2.3973	1.1787	0.3985	1.6221	0.0186	0	0
Nitrogen Dioxide	R1	10	22	24	71	10	0	0.0045	0.0189	0.2229	0.1987	0.8488	1.4316	0.9823		0.1866	0.1556	0.5644	1.3099	2.3973	1.1787	0.3985	1.6221	0.0186	0	0
Nitrogen Dioxide	R1	10	23	24	72	10	0	0.0045	0.0188	0.2223	0.1982	0.8458	1.426	0.9788		0.1859	0.155	0.5624	1.3052	2.3886	1.1744	0.3971	1.6163	0.0185	0	0
Nitrogen Dioxide	R1	10	24	24	72	10	0	0.0045	0.0188	0.2223	0.1982	0.8458	1.426	0.9788		0.1859	0.155	0.5624	1.3052	2.3886	1.1744	0.3971	1.6163	0.0185	0	0
Nitrogen Dioxide	R1	11	1	21	75	10	0	0.0048	0.02	0.228	0.2034	0.8768	1.4881	1.0147		0.1931	0.161	0.5831	1.3531	2.4763	1.2175	0.4116	1.6756	0.0203	0	0
Nitrogen Dioxide	R1	11	2	21	74	10	0	0.0048	0.0201	0.2285	0.2039	0.8794	1.4928	1.0177		0.1937	0.1615	0.5848	1.357	2.4835	1.221	0.4128	1.6805	0.0204	0	0
Nitrogen Dioxide	R1	11	3	21	74	10	0	0.0048	0.0201	0.2285	0.2039	0.8794	1.4928	1.0177		0.1937	0.1615	0.5848	1.357	2.4835	1.221	0.4128	1.6805	0.0204	0	0
Nitrogen Dioxide	R1	11	4	21	74	10	0	0.0048	0.0201	0.2285	0.2039	0.8794	1.4928	1.0177		0.1937	0.1615	0.5848	1.357	2.4835	1.221	0.4128	1.6805	0.0204	0	0
Nitrogen Dioxide	R1	11	5	21	74	10	0	0.0048	0.0201	0.2285	0.2039	0.8794	1.4928	1.0177		0.1937	0.1615	0.5848	1.357	2.4835	1.221	0.4128	1.6805	0.0204	0	0
Nitrogen Dioxide	R1	11	6	21	73	10	0	0.0048	0.0202	0.2289	0.2043	0.8819	1.4975	1.0206		0.1943	0.1619	0.5865	1.3609	2.4907	1.2246	0.414	1.6853	0.0205	0	0
Nitrogen Dioxide	R1	11	7	21	73	10	0	0.0048	0.0202	0.2289	0.2043	0.8819	1.4975	1.0206		0.1943	0.1619	0.5865	1.3609	2.4907	1.2246	0.414	1.6853	0.0205	0	0
Nitrogen Dioxide	R1	11	8	21	70	10	0	0.0049	0.0204	0.2303	0.2056	0.8895	1.5117	1.0294		0.196	0.1634	0.5916	1.3727	2.5122	1.2352	0.4176	1.6999	0.0208	0	0
Nitrogen Dioxide	R1	11	9	22	66	10	139	0.0049	0.0204	0.2302	0.2054	0.8885	1.5081	1.0283		0.1957	0.1631	0.5909	1.3712	2.5094	1.2338	0.4171	1.698	0.0206	1.10079	1.77546
Nitrogen Dioxide	R1	11	10	22	61	10	290	0.0049	0.0205	0.2307	0.2058	0.8912	1.5122	1.0313		0.1963	0.1636	0.5927	1.3752	2.5168	1.2374	0.4184	1.7013	0.0205	1.10411	1.78083
Nitrogen Dioxide	R1	11	11	25	57	10	272	0.0048	0.0203	0.2288	0.2041	0.8806	1.4901	1.0191		0.1938	0.1615	0.5856	1.3589	2.4869	1.2227	0.4134	1.6828	0.02	1.08836	1.75543
Nitrogen Dioxide	R1	11	12	25	56	10	252	0.0049	0.0204	0.2294	0.2046	0.8839	1.4962	1.0229		0.1945	0.1622	0.5878	1.3639	2.4962	1.2273	0.415	1.6891	0.0201	1.09427	1.76495
Nitrogen Dioxide	R1	11	13	25	56	10	244	0.0049	0.0204	0.2294	0.2046	0.8839	1.4962	1.0229		0.1945	0.1622	0.5878	1.3639	2.4962	1.2273	0.415	1.6891	0.0201	1.09273	1.76247
Nitrogen Dioxide	R1	11	14	26	56	10	218	0.0048	0.02	0.2273	0.2026	0.8721	1.4745	1.0092		0.1919	0.1599	0.5799	1.3458	2.4629	1.2109	0.4094	1.6665	0.0198	1.0775	1.7379
Nitrogen Dioxide	R1	11	15	26	57	10	264	0.0048	0.0199	0.2266	0.202	0.8686	1.468	1.0052		0.1911	0.1593	0.5776	1.3404	2.4531	1.2061	0.4078	1.6599	0.0195	1.07532	1.73439
Nitrogen Dioxide	R1	11	16	25	58	10	258	0.0048	0.0201	0.2282	0.2035	0.8773	1.4841	1.0153		0.1931	0.1609	0.5834	1.3539	2.4777	1.2182	0.4119	1.6763	0.0198	1.08435	1.74895
Nitrogen Dioxide	R1	11	17	24	63	10	282	0.0048	0.0199	0.2274	0.2029	0.8735	1.477	1.0109		0.1922	0.1602	0.5809	1.3479	2.4669	1.2129	0.4101	1.6692	0.0196	1.08032	1.74245
Nitrogen Dioxide	R1	11	18	23	66	10	248	0.0048	0.02	0.228	0.2034	0.8767	1.4845	1.0146		0.193	0.1609	0.583	1.3529	2.476	1.2174	0.4116	1.6754	0.0199	1.0866	1.75258
Nitrogen Dioxide	R1	11	19	23	70	10	89	0.0047	0.0195	0.2259	0.2015	0.8652	1.4632	1.0012		0.1903	0.1587	0.5753	1.3351	2.4434	1.2013	0.4062	1.6533	0.0194	1.06868	1.72368
Nitrogen Dioxide	R1	11	20	22	70	10	0	0.0048	0.02	0.2282	0.2036	0.8777	1.488	1.0157		0.1932	0.1611	0.5837	1.3544	2.4787	1.2187	0.4121	1.6773	0.0201	0	0
Nitrogen Dioxide	R1	11	21	23	72	10	0	0.0047	0.0198	0.2272	0.2027	0.8735	1.478	1.0094		0.1917	0.1601	0.5801	1.3461	2.4634	1.2112	0.4095	1.6669	0.0199	0	0
Nitrogen Dioxide	R1	11	22	22	70	10	0	0.0047	0.0196	0.2262	0.2018	0.8668	1.4679	1.0032		0.1908	0.1591	0.5765	1.3377	2.4481	1.2037	0.407	1.6565	0.0197	0	0
Nitrogen Dioxide	R1	11	23	22	74	10	0	0.0047	0.0196	0.2262	0.2018	0.8668	1.4679	1.0032		0.1908	0.1591	0.5765	1.3377	2.4481	1.2037	0.407	1.6565	0.0197	0	0
Nitrogen Dioxide	R1	11	24	21	74	10	0	0.0048	0.0201	0.2285	0.2039	0.8794	1.4928	1.0177		0.1937	0.1615	0.5848	1.357	2.4835	1.221	0.4128	1.6805	0.0204	0	0
Nitrogen Dioxide	R1	12	1	16	68	10	0	0.0057	0.024	0.2406	0.2146	0.943	1.6209	1.0913		0.2085	0.1738	0.6274	1.4552	2.6633	1.3094	0.4427	1.8021	0.0241	0	0
Nitrogen Dioxide	R1	12	2	16	69	10	0	0.0057	0.0239	0.2403	0.2143	0.9412	1.6175	1.0892		0.2081	0.1734	0.6261	1.4524	2.6581	1.3069	0.4419	1.7986	0.024	0	0
Nitrogen Dioxide	R1	12	3	16	69	10	0	0.0057	0.0239	0.2403	0.2143	0.9412	1.6175	1.0892		0.2081	0.1734	0.6261	1.4524	2.6581	1.3069	0.4419	1.7986	0.024	0	0
Nitrogen Dioxide	R1	12	4	15	70	10	0	0.0058	0.0246	0.2416	0.2154	0.9476	1.6316	1.0967		0.2097	0.1747	0.6305	1.4623	2.6763	1.3158	0.4449	1.8109	0.0245	0	0
Nitrogen Dioxide	R1	12	5	15	70	10	0	0.0058	0.0246	0.2416	0.2154	0.9476	1.6316	1.0967		0.2097	0.1747	0.6305	1.4623	2.6763	1.3158	0.4449	1.8109	0.0245	0	0
Nitrogen Dioxide	R1	12	6	15	70	10	0	0.0058	0.0246	0.2416	0.2154	0.9476	1.6316	1.0967		0.2097	0.1747	0.6305	1.4623	2.6763	1.3158	0.4449	1.8109	0.0245	0	0
Nitrogen Dioxide	R1	12	7	15	70	10	0	0.0058	0.0246	0.2416	0.2154	0.9476	1.6316	1.0967		0.2097	0.1747	0.6305	1.4623	2.6763	1.3158	0.4449	1.8109	0.0245	0	0
Nitrogen Dioxide	R1	12	8	15	69	10	0	0.0059	0.0246	0.2419	0.2157	0.9493	1.6348	1.0986		0.2101	0.175	0.6316	1.465	2.6811	1.3182	0.4457	1.8142	0.0245	0	0
Nitrogen Dioxide	R1	12	9	16	65	10	139	0.0058	0.0246	0.2417	0.2155	0.9485	1.6312	1.0977		0.2098	0.1748	0.631	1.4639	2.6778	1.3171	0.4453	1.8126	0.0243	1.07831	1.90049
Nitrogen Dioxide	R1	12	10	17	62	10	290	0.0056	0.0237	0.2411	0.2151	0.9462	1.6248	1.095		0.2092	0.1743	0.6295	1.4602	2.6723	1.3139	0.4442	1.8082	0.024	1.07538	1.89578
Nitrogen Dioxide	R1	12	11	18	58	10	272	0.0056	0.0234	0.241	0.2151	0.9463	1.6229	1.0951		0.2091	0.1742	0.6295	1.4603	2.6725	1.314	0.4443	1.8083	0.0238	1.17272	1.89148
Nitrogen Dioxide	R1	12	12	19	57	10	252	0.0054	0.0228	0.2398	0.2141	0.9403	1.6097	1.0882		0.2077	0.173	0.6255	1.451	2.6555	1.3056	0.4414	1.7969	0.0233	1.16684	1.882
Nitrogen Dioxide	R1	12	13	19	56	10	244	0.0055	0.0229	0.2402	0.2145	0.9425	1.6138	1.0907		0.2082	0.1734	0.627	1.4544	2.6618	1.3087	0.4425	1.8011	0.0234	1.16788	1.88368
Nitrogen Dioxide	R1	12	14	19	56	10	218	0.0055	0.0229	0.2402	0.2145	0.9425	1.6138	1.0907		0.2082	0.1734	0.627	1.4544	2.6618	1.3087	0.4425	1.8011	0.0234	1.16749	1.88304
Nitrogen Dioxide	R1	12	15	19	56	10	264	0.0055	0.0229	0.2402	0.2145	0.9425	1.6138	1.0907		0.2082	0.1734	0.627	1.4544	2.6618	1.3087	0.4425	1.8011	0.0234	1.16996	1.88703
Nitrogen Dioxide	R1	12	16	19	57	10	258	0.0054	0.0228	0.2398	0.2141	0.9403	1.6097	1.0882		0.2077	0.173	0.6255	1.451	2.6555	1.3056	0.4414	1.7969	0.0233	1.16501	1.87905
Nitrogen Dioxide	R1	12	17	18	60	10	282	0.0055	0.0232	0.2402	0.2144	0.9421	1.6151	1.0903		0.2082	0.1734	0.6267	1.4538	2.6607	1.3082	0.4423	1.8004	0.0236	1.16846	1.88462
Nitrogen Dioxide	R1	12	18	18	64	10	248	0.0054	0.0228	0.2387	0.213	0.9337	1.5995	1.0806		0.2063	0.1719	0.6211	1.4409	2.6371	1.2966	0.4384	1.7844	0.0233	1.16011	1.87114
Nitrogen Dioxide	R1	12	19	17	65	10	89	0.0056	0.0235	0.24	0.2141	0.9403	1.6138	1.0882		0.2079	0.1732	0.6256	1.4511	2.6557	1.3057	0.4415	1.797	0.0237	1.16497	1.87899
Nitrogen Dioxide	R1	12	20	17	66	10	0	0.0056	0.0234	0.2397	0.2138	0.9384	1.6102	1.086		0.2074	0.1728	0.6243	1.4481	2.6502	1.303	0.4406	1.7933	0.0237	0	0
Nitrogen Dioxide	R1	12	21	17	66	10	0	0.0056	0.0234	0.2397	0.2138	0.9384	1.6102	1.086		0.2074	0.1728	0.6243	1.4481	2.6502	1.303	0.4406	1.7933	0.0237	0	0
Nitrogen Dioxide	R1	12	22	16	66	10	0	0.0057	0.0241	0.2413	0.2152	0.9467	1.6277	1.0956		0.2094	0.1745	0.6298	1.4609	2.6736	1.3145	0.4444	1.8091	0.0242	0	0
Nitrogen Dioxide	R1	12	23	16	66	10	0	0.0057	0.0241	0.2413	0.2152	0.9467	1.6277	1.0956		0.2094	0.1745	0.6298	1.4609	2.6736	1.3145	0.4444	1.8091	0.0242	0	0
Nitrogen Dioxide	R1	12	24	16	67	10	0	0.0057	0.024	0.241	0.2149	0.9448	1.6243	1.0934		0.209	0.1741	0.6286	1.4581	2.6684	1.312	0.4436	1.8056	0.0241	0	0
Nitrogen Dioxide	R2	1	1	17	76	10	0	0.0054	0.0225	0.236	0.2105	0.9188	1.5736	1.0633		0.2029	0.1691	0.6112	1.4179	2.5949	1.2758	0.4314	1.7559	0.0228	0	0
Nitrogen Dioxide	R2	1	2	17	77	10	0	0.0054	0.0225	0.2357	0.2102	0.9169	1.57	1.0611		0.2025	0.1688	0.6099	1.4149	2.5894	1.2731	0.4305	1.7521	0.0227	0	0
Nitrogen Dioxide	R2	1	3	17	77	10	0	0.0054	0.0225	0.2357	0.2102	0.9169	1.57	1.0611		0.2025	0.1688	0.6099	1.4149	2.5894	1.2731	0.4305	1.7521	0.0227	0	0
Nitrogen Dioxide	R2	1	4	17	77	10	0	0.0054	0.0225	0.2357	0.2102	0.9169	1.57	1.0611		0.2025	0.1688	0.6099	1.4149	2.5894	1.2731	0.4305	1.7521	0.0227	0	0
Nitrogen Dioxide	R2	1	5	17	77	10	0	0.0053	0.0224	0.2353	0.2099	0.9149	1.5663	1.0588		0.2021	0.1684	0.6086	1.4119	2.5839	1.2704	0.4295	1.7464	0.0226	0	0
Nitrogen Dioxide	R2	1	6	17	77	10	0	0.0054	0.0225	0.2357	0.2102	0.9169	1.57	1.0611		0.2025	0.1688	0.6099	1.4149	2.5894	1.2731	0.4305	1.7521	0.0227	0	0
Nitrogen Dioxide	R2	1	7	16	77	10	0	0.0055	0.0232	0.2376	0.2118	0.9265	1.5901	1.0723		0.2048	0.1707	0.6164	1.4298	2.6167	1.2866	0.4353	1.7706	0.0233	0	0
Nitrogen Dioxide	R2	1	8	17	77	10	0	0.0054	0.0225	0.2357	0.2102	0.9169	1.57	1.0611		0.2025	0.1688	0.6099	1.4149	2.5894	1.2731	0.4305	1.7521	0.0227	0	0
Nitrogen Dioxide	R2	1	9	17	73	10	139	0.0054	0.0228	0.2371	0.2115	0.9247	1.5846	1.0701		0.2043	0.1702	0.6151	1.427	2.6115	1.284	0.4341	1.7671	0.0231	1.14783	1.85134
Nitrogen Dioxide	R2	1	10	19	69	10	290	0.0052	0.0217	0.2348	0.2096	0.9135	1.5598	1.0572		0.2016	0.168	0.6076	1.4097	2.5799	1.2684	0.4289	1.7457	0.0222	1.13346	1.82816
Nitrogen Dioxide	R2	1	11	20	64	10	272	0.0051	0.0214	0.235	0.2099	0.915	1.5608	1.0589		0.2019	0.1682	0.6086	1.412	2.5841	1.2705	0.4296	1.7486	0.0221	1.13271	1.82695
Nitrogen Dioxide	R2	1	12	21	62	10	252	0.0051	0.0212	0.2341	0.209	0.9099	1.5494	1.053		0.2006	0.1672	0.6052	1.4041	2.5696	1.2634	0.4272	1.7388	0.0217	1.12785	1.81912
Nitrogen Dioxide	R2	1	13	21	62	10	244	0.0051	0.0213	0.2345	0.2094	0.9124	1.5541	1.0559		0.2012	0.1677	0.6069	1.408	2.5768	1.2669	0.4284	1.7436	0.0218	1.1294	1.82162
Nitrogen Dioxide	R2	1	14	21	62	10	218	0.0051	0.0212	0.2341	0.209	0.9099	1.5494	1.053		0.2006	0.1672	0.6052	1.4041	2.5696	1.2634	0.4272	1.7388	0.0217	1.12587	1.81591
Nitrogen Dioxide	R2	1	15	21	62	10	264	0.0051	0.0212	0.2341	0.209	0.9099	1.5494	1.053		0.2006	0.1672	0.6052	1.4041	2.5696	1.2634	0.4272	1.7388	0.0217	1.12821	1.8197
Nitrogen Dioxide	R2	1	16	21	63	10	258	0.005	0.0211	0.2336	0.2086	0.9073	1.5446	1.05		0.2001	0.1667	0.6055	1.4002	2.5624	1.2599	0.426	1.7339	0.0216	1.12285	1.81105
Nitrogen Dioxide	R2	1	17	20	67	10	282	0.005	0.0211	0.2337	0.2087	0.9079	1.5475	1.0506		0.2002	0.1669	0.6038	1.401	2.564	1.2606	0.4262	1.7349	0.0218	1.12461	1.81388
Nitrogen Dioxide	R2	1	18	19	72	10	248	0.0051	0.0214

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:

(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.

(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Dioxide	R2	4	2	20	85	10	0	0.0047	0.0196	0.2259	0.2014	0.865	1.4679	1.001		0.1905	0.1588	0.5752	1.3348	2.4429	1.2011	0.4061	1.653	0.0199	0	0
Nitrogen Dioxide	R2	4	3	20	84	10	0	0.0047	0.0197	0.2263	0.2018	0.8674	1.4723	1.0038		0.191	0.1593	0.5768	1.3385	2.4496	1.2044	0.4072	1.6575	0.02	0	0
Nitrogen Dioxide	R2	4	4	20	85	10	0	0.0047	0.0196	0.2259	0.2014	0.865	1.4679	1.001		0.1905	0.1588	0.5752	1.3348	2.4429	1.2011	0.4061	1.653	0.0199	0	0
Nitrogen Dioxide	R2	4	5	19	84	10	0	0.0048	0.0202	0.2286	0.204	0.88	1.4976	1.0184		0.194	0.1617	0.5853	1.358	2.4853	1.222	0.4132	1.6817	0.0207	0	0
Nitrogen Dioxide	R2	4	6	19	84	10	0	0.0048	0.0202	0.2286	0.204	0.88	1.4976	1.0184		0.194	0.1617	0.5853	1.358	2.4853	1.222	0.4132	1.6817	0.0207	0	0
Nitrogen Dioxide	R2	4	7	20	84	10	0	0.0047	0.0197	0.2263	0.2018	0.8674	1.4723	1.0038		0.191	0.1593	0.5768	1.3385	2.4496	1.2044	0.4072	1.6575	0.02	0	0
Nitrogen Dioxide	R2	4	8	21	79	10	0	0.0047	0.0196	0.2262	0.2017	0.8666	1.4693	1.003		0.1908	0.1591	0.5763	1.3374	2.4476	1.2034	0.4069	1.6562	0.0198	0	0
Nitrogen Dioxide	R2	4	9	22	73	10	139	0.0047	0.0197	0.2267	0.2022	0.8696	1.473	1.0063		0.1914	0.1596	0.5783	1.3419	2.4558	1.2074	0.4082	1.6617	0.0198	1.07681	1.73679
Nitrogen Dioxide	R2	4	10	23	69	10	290	0.0047	0.0196	0.2264	0.202	0.868	1.4685	1.0046		0.191	0.1592	0.5773	1.3395	2.4515	1.2053	0.4073	1.6588	0.0196	1.07498	1.73385
Nitrogen Dioxide	R2	4	11	23	68	10	272	0.0047	0.0197	0.2269	0.2024	0.8709	1.4738	1.0079		0.1917	0.1598	0.5792	1.344	2.4597	1.2094	0.4089	1.6644	0.0197	1.07641	1.73615
Nitrogen Dioxide	R2	4	12	24	66	10	252	0.0047	0.0195	0.2257	0.2013	0.8642	1.46	1.0002		0.1901	0.1585	0.5747	1.3337	2.4408	1.2001	0.4057	1.6516	0.0193	1.06953	1.72506
Nitrogen Dioxide	R2	4	13	24	65	10	244	0.0047	0.0196	0.2263	0.2018	0.8673	1.4657	1.0037		0.1908	0.1591	0.5768	1.3384	2.4495	1.2043	0.4072	1.6575	0.0194	1.07186	1.72881
Nitrogen Dioxide	R2	4	14	24	66	10	218	0.0047	0.0195	0.2257	0.2013	0.8642	1.46	1.0002		0.1901	0.1585	0.5747	1.3337	2.4408	1.2001	0.4057	1.6516	0.0193	1.06769	1.72209
Nitrogen Dioxide	R2	4	15	24	66	10	264	0.0047	0.0195	0.2257	0.2013	0.8642	1.46	1.0002		0.1901	0.1585	0.5747	1.3337	2.4408	1.2001	0.4057	1.6516	0.0193	1.06987	1.72559
Nitrogen Dioxide	R2	4	16	24	67	10	258	0.0046	0.0194	0.2252	0.2008	0.8612	1.4543	0.9966		0.1894	0.1579	0.5726	1.3289	2.4321	1.1958	0.4043	1.6457	0.0191	1.06401	1.71615
Nitrogen Dioxide	R2	4	17	23	69	10	282	0.0047	0.0196	0.2264	0.202	0.868	1.4685	1.0046		0.191	0.1592	0.5773	1.3395	2.4515	1.2053	0.4073	1.6588	0.0196	1.07369	1.73176
Nitrogen Dioxide	R2	4	18	22	74	10	248	0.0047	0.0196	0.2262	0.2018	0.8668	1.4679	1.0032		0.1908	0.1591	0.5765	1.3377	2.4481	1.2037	0.407	1.6565	0.0197	1.0744	1.73291
Nitrogen Dioxide	R2	4	19	22	76	10	89	0.0046	0.0194	0.2252	0.2008	0.8614	1.4579	0.9969		0.1895	0.158	0.5728	1.3293	2.4328	1.1961	0.4044	1.6462	0.0195	1.06424	1.71651
Nitrogen Dioxide	R2	4	20	21	79	10	0	0.0047	0.0196	0.2262	0.2017	0.8666	1.4693	1.003		0.1908	0.1591	0.5763	1.3374	2.4476	1.2034	0.4069	1.6562	0.0198	0	0
Nitrogen Dioxide	R2	4	21	21	80	10	0	0.0047	0.0195	0.2257	0.2013	0.8641	1.4646	1		0.1902	0.1586	0.5747	1.3335	2.4404	1.1999	0.4057	1.6513	0.0197	0	0
Nitrogen Dioxide	R2	4	22	21	81	10	0	0.0046	0.0194	0.2252	0.2009	0.8616	1.4598	0.9971		0.1896	0.1581	0.573	1.3295	2.4332	1.1963	0.4045	1.6465	0.0196	0	0
Nitrogen Dioxide	R2	4	23	21	82	10	0	0.0046	0.0193	0.2248	0.2004	0.859	1.4551	0.9941		0.1891	0.1576	0.5713	1.3256	2.426	1.1928	0.4033	1.6416	0.0195	0	0
Nitrogen Dioxide	R2	4	24	20	84	10	0	0.0047	0.0198	0.2272	0.2026	0.8721	1.4811	1.0093		0.1921	0.1602	0.58	1.3458	2.463	1.211	0.4094	1.6666	0.0202	0	0
Nitrogen Dioxide	R2	5	1	26	91	10	0	0.0037	0.0152	0.2047	0.1821	0.75	1.2494	0.8679		0.1641	0.137	0.4985	1.1573	2.118	1.0414	0.3521	1.4332	0.0145	0	0
Nitrogen Dioxide	R2	5	2	25	92	10	0	0.0038	0.0158	0.2076	0.1847	0.7658	1.2786	0.8863		0.1677	0.14	0.5091	1.1818	2.1628	1.0634	0.3595	1.4635	0.0152	0	0
Nitrogen Dioxide	R2	5	3	25	92	10	0	0.0038	0.0158	0.2076	0.1847	0.7658	1.2786	0.8863		0.1677	0.14	0.5091	1.1818	2.1628	1.0634	0.3595	1.4635	0.0152	0	0
Nitrogen Dioxide	R2	5	4	25	91	10	0	0.0038	0.0159	0.2082	0.1853	0.7691	1.2847	0.8901		0.1684	0.1407	0.5113	1.1869	2.1721	1.068	0.3614	1.4698	0.0153	0	0
Nitrogen Dioxide	R2	5	5	25	92	10	0	0.0038	0.0158	0.2076	0.1847	0.7658	1.2786	0.8863		0.1677	0.14	0.5091	1.1818	2.1628	1.0634	0.3595	1.4635	0.0152	0	0
Nitrogen Dioxide	R2	5	6	25	93	10	0	0.0038	0.0156	0.207	0.1842	0.7625	1.2726	0.8825		0.167	0.1394	0.5069	1.1767	2.1536	1.0588	0.358	1.4572	0.0151	0	0
Nitrogen Dioxide	R2	5	7	26	91	10	0	0.0037	0.0152	0.2047	0.1821	0.75	1.2494	0.8679		0.1641	0.137	0.4985	1.1573	2.118	1.0414	0.3521	1.4332	0.0145	0	0
Nitrogen Dioxide	R2	5	8	27	85	10	0	0.0037	0.0154	0.2052	0.1824	0.7521	1.2533	0.8703		0.1646	0.1374	0.4999	1.1606	2.124	1.0443	0.3531	1.4372	0.0146	0	0
Nitrogen Dioxide	R2	5	9	28	80	10	139	0.0038	0.0156	0.2052	0.1824	0.7521	1.2531	0.8702		0.1646	0.1374	0.4998	1.1604	2.1237	1.0442	0.3531	1.4371	0.0146	0.92805	1.49685
Nitrogen Dioxide	R2	5	10	28	78	10	290	0.0038	0.0159	0.2067	0.1837	0.7599	1.2676	0.8794		0.1664	0.1389	0.5051	1.1726	2.146	1.0551	0.3567	1.4521	0.015	0.9383	1.51339
Nitrogen Dioxide	R2	5	11	29	77	10	272	0.0037	0.0155	0.204	0.1812	0.7449	1.2402	0.8621		0.163	0.1361	0.4952	1.1496	2.1039	1.0344	0.3497	1.4236	0.0144	0.9177	1.48017
Nitrogen Dioxide	R2	5	12	29	75	10	252	0.0038	0.0159	0.2055	0.1826	0.7533	1.2556	0.8718		0.1649	0.1377	0.5007	1.1625	2.1275	1.046	0.3537	1.4396	0.0147	0.92967	1.49948
Nitrogen Dioxide	R2	5	13	29	74	10	244	0.0039	0.016	0.2063	0.1833	0.7575	1.2633	0.8766		0.1658	0.1385	0.5035	1.169	2.1393	1.0518	0.3556	1.4476	0.0149	0.93365	1.50589
Nitrogen Dioxide	R2	5	14	29	75	10	218	0.0038	0.0159	0.2055	0.1826	0.7533	1.2556	0.8718		0.1649	0.1377	0.5007	1.1625	2.1275	1.046	0.3537	1.4396	0.0147	0.92814	1.497
Nitrogen Dioxide	R2	5	15	29	75	10	264	0.0038	0.0159	0.2055	0.1826	0.7533	1.2556	0.8718		0.1649	0.1377	0.5007	1.1625	2.1275	1.046	0.3537	1.4396	0.0147	0.92995	1.49992
Nitrogen Dioxide	R2	5	16	29	77	10	258	0.0037	0.0155	0.204	0.1812	0.7449	1.2402	0.8621		0.163	0.1361	0.4952	1.1496	2.1039	1.0344	0.3497	1.4236	0.0144	0.91779	1.48031
Nitrogen Dioxide	R2	5	17	28	78	10	282	0.0038	0.0159	0.2067	0.1837	0.7599	1.2676	0.8794		0.1664	0.1389	0.5051	1.1726	2.146	1.0551	0.3567	1.4521	0.015	0.93722	1.51166
Nitrogen Dioxide	R2	5	18	28	81	10	248	0.0037	0.0154	0.2045	0.1818	0.748	1.2458	0.8657		0.1637	0.1367	0.4972	1.1543	2.1126	1.0387	0.3512	1.4295	0.0145	0.92394	1.49023
Nitrogen Dioxide	R2	5	19	27	84	10	89	0.0037	0.0156	0.2059	0.1831	0.7558	1.2601	0.8746		0.1654	0.1381	0.5024	1.1663	2.1345	1.0494	0.3548	1.4443	0.0148	0.93091	1.50147
Nitrogen Dioxide	R2	5	20	27	87	10	0	0.0036	0.0151	0.2038	0.1812	0.7446	1.2396	0.8618		0.1629	0.136	0.495	1.1491	2.103	1.034	0.3496	1.423	0.0143	0	0
Nitrogen Dioxide	R2	5	21	27	88	10	0	0.0036	0.015	0.2031	0.1806	0.7409	1.2328	0.8575		0.162	0.1354	0.4925	1.1434	2.0925	1.0288	0.3479	1.4159	0.0142	0	0
Nitrogen Dioxide	R2	5	22	26	89	10	0	0.0037	0.0155	0.206	0.1833	0.7569	1.2623	0.876		0.1657	0.1384	0.5032	1.1681	2.1377	1.0511	0.3554	1.4465	0.0148	0	0
Nitrogen Dioxide	R2	5	23	26	89	10	0	0.0037	0.0155	0.206	0.1833	0.7569	1.2623	0.876		0.1657	0.1384	0.5032	1.1681	2.1377	1.0511	0.3554	1.4465	0.0148	0	0
Nitrogen Dioxide	R2	5	24	26	90	10	0	0.0037	0.0154	0.2054	0.1827	0.7535	1.2558	0.8719		0.1649	0.1377	0.5008	1.1627	2.1279	1.0462	0.3537	1.4398	0.0147	0	0
Nitrogen Dioxide	R2	6	1	28	88	10	0	0.0035	0.0144	0.1994	0.1771	0.7204	1.195	0.8337		0.1574	0.1315	0.4788	1.1117	2.0346	1.0004	0.3382	1.3767	0.0133	0	0
Nitrogen Dioxide	R2	6	2	27	89	10	0	0.0036	0.0148	0.2024	0.1799	0.7372	1.2259	0.8532		0.1612	0.1347	0.49	1.1377	2.0821	1.0237	0.3461	1.4088	0.014	0	0
Nitrogen Dioxide	R2	6	3	27	89	10	0	0.0036	0.0148	0.2024	0.1799	0.7372	1.2259	0.8532		0.1612	0.1347	0.49	1.1377	2.0821	1.0237	0.3461	1.4088	0.014	0	0
Nitrogen Dioxide	R2	6	4	27	88	10	0	0.0036	0.015	0.2031	0.1806	0.7409	1.2328	0.8575		0.162	0.1354	0.4925	1.1434	2.0925	1.0288	0.3479	1.4159	0.0142	0	0
Nitrogen Dioxide	R2	6	5	27	89	10	0	0.0036	0.0148	0.2024	0.1799	0.7372	1.2259	0.8532		0.1612	0.1347	0.49	1.1377	2.0821	1.0237	0.3461	1.4088	0.014	0	0
Nitrogen Dioxide	R2	6	6	27	90	10	0	0.0035	0.0147	0.2018	0.1793	0.7335	1.2191	0.8489		0.1604	0.134	0.4875	1.1319	2.0716	1.0185	0.3444	1.4017	0.0139	0	0
Nitrogen Dioxide	R2	6	7	28	87	10	0	0.0035	0.0145	0.2001	0.1778	0.7244	1.2022	0.8383		0.1583	0.1322	0.4814	1.1178	2.0457	1.0058	0.3401	1.3843	0.0135	0	0
Nitrogen Dioxide	R2	6	8	28	88	10	0	0.0035	0.0145	0.2001	0.1777	0.7244	1.2016	0.8379		0.1582	0.1322	0.4812	1.1173	2.0447	1.0053	0.3399	1.3836	0.0135	0	0
Nitrogen Dioxide	R2	6	9	29	79	10	139	0.0037	0.0152	0.2024	0.1798	0.7366	1.2247	0.8524		0.1611	0.1345	0.4896	1.1366	2.0802	1.0228	0.3458	1.4076	0.014	0.90865	1.46556
Nitrogen Dioxide	R2	6	10	30	76	10	290	0.0036	0.0151	0.2012	0.1787	0.7296	1.2118	0.8443		0.1595	0.1332	0.4849	1.1259	2.0605	1.0131	0.3425	1.3942	0.0137	0.90006	1.45171
Nitrogen Dioxide	R2	6	11	30	75	10	272	0.0037	0.0153	0.202	0.1794	0.734	1.22	0.8495		0.1605	0.1341	0.4879	1.1327	2.073	1.0192	0.3446	1.4027	0.0139	0.90399	1.45804
Nitrogen Dioxide	R2	6	12	30	74	10	252	0.0037	0.0155	0.2029	0.1801	0.7385	1.2282	0.8546		0.1615	0.1349	0.4908	1.1396	2.0856	1.0254	0.3467	1.4112	0.0141	0.91094	1.46925
Nitrogen Dioxide	R2	6	13	31	73	10	244	0.0036	0.0151	0.2001	0.1776	0.7232	1.2001	0.837		0.158	0.1321	0.4807	1.1161	2.0425	1.0042	0.3395	1.3821	0.0135	0.89057	1.43641
Nitrogen Dioxide	R2	6	14	31	72	10	218	0.0037	0.0154	0.2021	0.1794	0.7297	1.2088	0.8424		0.1591	0.133	0.4838	1.1239	2.0558	1.0108	0.3413	1.3911	0.0137	0.89618	1.44546
Nitrogen Dioxide	R2	6	15	30	74	10	264	0.0037	0.0155	0.2029	0.1801	0.7385	1.2282	0.8546		0.1615	0.1349	0.4908	1.1396	2.0856	1.0254	0.3467	1.4112	0.0141	0.91121	1.46969
Nitrogen Dioxide	R2	6	16	30	74	10	258	0.0037	0.0155	0.2029	0.1801	0.7385	1.2282	0.8546		0.1615	0.1349	0.4908	1.1396	2.0856	1.0254	0.3467	1.4112	0.0141	0.90963	1.46714
Nitrogen Dioxide	R2	6	17	30	73	10	282	0.0037	0.0153	0.202	0.1794	0.734	1.22	0.8495		0.1605	0.1341	0.4879	1.1327	2.073	1.0192	0.3446	1.4027	0.0139	0.90468	1.45916
Nitrogen Dioxide	R2	6	18	29	79	10	248	0.0037	0.0152	0.2024	0.1798	0.7366	1.2247	0.8524		0.1611	0.1345	0.4896	1.1366	2.0802	1.0228	0.3458	1.4076	0.014	0.90945	1.46685
Nitrogen Dioxide	R2	6	19	29	81	10	89	0.0036	0.0148	0.2009	0.1784	0.7282	1.2093	0.8427		0.1592	0.133	0.4841	1.1237	2.0565	1.0111	0.3419	1.3916	0.0137	0.89625	1.44556
Nitrogen Dioxide	R2	6	20	28	83	10	0	0.0036	0.0151	0.203	0.1804	0.7401	1.2313	0.8565		0.1619	0.1352	0.4919	1.1422	2.0903	1.0277	0.3475	1.4144	0.0141	0	0
Nitrogen Dioxide	R2	6	21	28	85	10	0	0.0036	0.0148	0.2016	0.1791	0.7323	1.2168	0.8474		0.1601	0.1337	0.4867	1.13	2.068	1.0168	0.3438	1.3993	0.0138	0	0
Nitrogen Dioxide	R2	6	22	28	86	10	0	0.0035	0.0147	0.2009	0.1784	0.7283	1.2095	0.8429		0.1592	0.133	0.4841	1.1239	2.0569	1.0113	0.3419	1.3918	0.0137	0	0
Nitrogen Dioxide	R2	6	23	28	87	10	0	0.0035	0.0145	0.2001	0.1778	0.7244	1.2022	0.8383		0.1583	0.1322	0.4814	1.1178	2.0457	1.0058	0.3401	1.3843	0.0135	0	0
Nitrogen Dioxide	R2	6	24	28	87	10	0	0.0035	0.0145	0.2001	0.1778	0.7244	1.2022	0.8383		0.1583	0.1322	0.4814	1.1178	2.0457	1.0058	0.3401	1.3843	0.0135	0	0
Nitrogen Dioxide	R2	7	1	28	84	10	0	0.0036	0.015	0.2023	0.1798	0.7362	1.234	0.852		0.161	0.1345	0.4893	1.1361	2.0792	1.0223	0.3456	1.4069	0.014	0	0
Nitrogen Dioxide	R2	7	2	28	84	10	0	0.0036	0.015	0.2023	0.1798	0.7362	1.234	0.852		0.161	0.1345	0.4893	1.1361	2.0792	1.0223	0.3456	1.4069	0.014	0	0
Nitrogen Dioxide	R2	7	3	28	86	10	0	0.0035	0.0147	0.2009	0.1784	0.7283	1.2095	0.8429		0.1592	0.133	0.4841	1.1239	2.0569	1.0113	0.3419	1.3918	0.0137	0	0
Nitrogen Dioxide	R2	7	4	28	86	10	0	0.0035	0.0147	0.2009	0.1784	0.7283	1.2095	0.8429		0.1592	0.133	0.4841	1.1239	2.0569	1.0113	0.3419	1.3918	0.0137	0	0
Nitrogen Dioxide	R2	7	5	28	88	10	0	0.0035	0.0144	0.1994	0.1771	0.7204	1.195	0.8337		0.1574	0.1315	0.4788	1.1117	2.0346	1.0004	0.3382	1.3767	0.0133	0	0
Nitrogen Dioxide	R2	7	6	27	89	10	0	0.0036	0.015	0.2031	0.1806	0.7409	1.2328	0.8575		0.162	0.1354	0.4925	1.1434	2.0925	1.0288	0.3479	1.4159	0.0142	0	0
Nitrogen Dioxide	R2	7	7	28	86	10	0	0.0035	0.0147	0.2009	0.1784	0.7283	1.2095	0.8429		0.1592	0.133	0.4841	1.1239	2.0569	1.0113	0.3419	1.3918	0.0137	0	0
Nitrogen Dioxide	R2	7	8	28	81	10	0	0.0036	0.0148	0.2009	0.1784	0.7282	1.2093	0.8427		0.1592	0.133	0.484	1.1237	2.0565	1.0111	0.3419	1.3916	0.0137	0	0
Nitrogen Dioxide	R2	7	9	30	76	10	139	0.0036	0.0151	0.2012	0.1787	0.7296	1.2118	0.8443		0.1595	0.1332	0.4849	1.1259	2.0605	1.0131	0.3425	1.3942	0.0137	0.89982	1.45133
Nitrogen Dioxide	R2	7	10	31	70	10	290	0.0038	0.0157	0.2027	0.18	0.7374	1.2262	0.8533		0.1612	0.1347	0.4901	1.1379	2.0825	1.0239	0.3462	1.4091	0.0141	0.90988	1.46755
Nitrogen Dioxide	R2	7	11	31	67	10	272	0.0039	0.0161	0.2045	0.1815	0.7468	1.2436	0.8643		0.1634	0.1365	0.4964	1.1524	2.1091	1.037	0.3506	1.4271	0.0144	0.92008	1.484
Nitrogen Dioxide	R2	7	12	32	67	10	252	0.0038	0.0158	0.2019	0.1792	0.7326	1.2174	0.8478		0.1602	0.1339	0.4869	1.1305	2.0689	1.0172	0.3439	1.3999	0.0139	0.90353	1.45731
Nitrogen Dioxide	R2	7	13	32	66	10	244	0.0038	0.016	0.2028	0.18	0.7376	1.2266	0.8536		0.1613	0.1348	0.4902	1.1382	2.083	1.0242	0.3463	1.4095	0.0141	0.90863	1.46554
Nitrogen Dioxide	R2	7	14	32	66	10	218	0.0038	0.016	0.2028	0.18	0.7376	1.2266	0.8536		0.1613	0.1348	0.4902	1.1382	2.083	1.0242	0.3463	1.4095	0.0141	0.90835	1.46508
Nitrogen Dioxide	R2	7	15	31	68	10	264	0.0039	0.0161	0.2045	0.1815	0.7468	1.2436	0.8643		0.1634	0.1365	0.4964	1.1524	2.1091	1.037	0.3506	1.4271	0.0144	0.92177	1.48673
Nitrogen Dioxide	R2	7	16	31	69	10	258	0.0038	0.0159	0.2036	0.1808	0.7421	1.2349	0.8588		0.1623	0.1356	0.4932	1.1452	2.0958	1.0304	0.3484	1.4181	0.0142	0.91419	1.47451
Nitrogen Dioxide	R2	7	17	31	70	10	282	0.0038	0.0157	0.2027	0.18	0.7374	1.2262	0.8533		0.1612	0.1347	0.4901	1.1379	2.0825	1.0239	0.3462	1.4091	0.0141	0.90884	1.46587
Nitrogen Dioxide	R2	7	18	30	73	10	248	0.0038	0.0157	0.2037	0.1809	0.7429	1.2364	0.8598		0.1625	0.1357	0.4938	1.1464	2.0981	1.0316	0.3485	1.4197	0.0143	0.9175	1.47985
Nitrogen Dioxide	R2	7	19	29	76	10	89	0.0038	0.0157	0.2048	0.1819	0.7491	1.2479	0.8669		0.1639	0.1369	0.4979	1.156	2.1157	1.0402	0.3517	1.4316	0.0145	0.92255	1.48799
Nitrogen Dioxide	R2	7	20	29	79	10	0	0.0037	0.0152	0.2024	0.1798	0.7366	1.2247	0.8524		0.1611	0.1345	0.4896	1.1366	2.0802	1.0228	0.3458	1.4076	0.014	0	0
Nitrogen Dioxide	R2	7	21	29	81	10	0	0.0036	0.0148	0.2009	0.1784	0.7282	1.2093	0.8427		0.1592	0.133	0.484	1.1237	2.0565	1.0111	0.3419	1.3916	0.0137	0	0
Nitrogen Dioxide	R2	7	22	29	82	10	0	0.0035	0.0147	0.2001	0.1777	0.724	1.2016	0.8379		0.1582	0.1322	0.4812	1.1173	2.0447	1.0053	0.3399	1.3836	0.0135	0	0
Nitrogen Dioxide	R2	7	23	28	83	10	0	0.0036

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:

(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.

(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Dioxide	R2	10	7	23	75	10	0	0.0045	0.019	0.2232	0.199	0.8507	1.4365	0.9845		0.1871	0.156	0.5657	1.3128	2.4026	1.1813	0.3994	1.6257	0.0188	0	0
Nitrogen Dioxide	R2	10	8	23	72	10	0	0.0046	0.0193	0.2248	0.2005	0.8594	1.4525	0.9945		0.189	0.1576	0.5715	1.3262	2.427	1.1933	0.4035	1.6423	0.0192	0	0
Nitrogen Dioxide	R2	10	9	24	69	10	139	0.0046	0.0192	0.224	0.1998	0.855	1.443	0.9895		0.188	0.1568	0.5685	1.3194	2.4147	1.1872	0.4014	1.6339	0.0189	1.05801	1.70647
Nitrogen Dioxide	R2	10	10	25	64	10	290	0.0046	0.0194	0.2246	0.2002	0.8576	1.4478	0.9925		0.1886	0.1572	0.5703	1.3235	2.4221	1.1909	0.4026	1.6389	0.019	1.06158	1.71223
Nitrogen Dioxide	R2	10	11	26	61	10	272	0.0046	0.0194	0.2241	0.1997	0.8546	1.4423	0.989		0.1879	0.1567	0.5683	1.3188	2.4136	1.1867	0.4012	1.6332	0.0189	1.05566	1.70268
Nitrogen Dioxide	R2	10	12	27	60	10	252	0.0046	0.0192	0.2223	0.198	0.8448	1.4242	0.9777		0.1857	0.1548	0.5618	1.3037	2.386	1.1731	0.3966	1.6145	0.0185	1.04503	1.68553
Nitrogen Dioxide	R2	10	13	27	59	10	244	0.0046	0.0193	0.223	0.1987	0.8485	1.4311	0.982		0.1865	0.1555	0.5642	1.3094	2.3964	1.1783	0.3984	1.6216	0.0186	1.04826	1.69074
Nitrogen Dioxide	R2	10	14	27	59	10	218	0.0046	0.0193	0.223	0.1987	0.8485	1.4311	0.982		0.1865	0.1555	0.5642	1.3094	2.3964	1.1783	0.3984	1.6216	0.0186	1.04792	1.6902
Nitrogen Dioxide	R2	10	15	27	60	10	264	0.0046	0.0192	0.2223	0.198	0.8448	1.4242	0.9777		0.1857	0.1548	0.5618	1.3037	2.386	1.1731	0.3966	1.6145	0.0185	1.04535	1.68605
Nitrogen Dioxide	R2	10	16	27	62	10	358	0.0045	0.0189	0.2209	0.1968	0.8374	1.4106	0.9691		0.184	0.1534	0.5568	1.2923	2.365	1.1628	0.3931	1.6083	0.0182	1.03413	1.66795
Nitrogen Dioxide	R2	10	17	26	65	10	282	0.0045	0.0188	0.2215	0.1973	0.8407	1.4166	0.9729		0.1847	0.154	0.559	1.2973	2.3742	1.1673	0.3947	1.6065	0.0183	1.03898	1.67578
Nitrogen Dioxide	R2	10	18	25	67	10	248	0.0045	0.019	0.2227	0.1985	0.8478	1.4297	0.9811		0.1863	0.1554	0.5637	1.3083	2.3943	1.1772	0.398	1.6201	0.0186	1.04984	1.69329
Nitrogen Dioxide	R2	10	19	25	69	10	89	0.0045	0.0187	0.2215	0.1974	0.8412	1.4176	0.9735		0.1849	0.1542	0.5594	1.2982	2.3758	1.1681	0.3949	1.6076	0.0183	1.03837	1.67479
Nitrogen Dioxide	R2	10	20	25	71	10	0	0.0044	0.0185	0.2203	0.1963	0.8347	1.4055	0.966		0.1834	0.1529	0.555	1.2881	2.3573	1.159	0.3919	1.5961	0.018	0	0
Nitrogen Dioxide	R2	10	21	24	71	10	0	0.0045	0.0189	0.2229	0.1987	0.8488	1.4316	0.9823		0.1866	0.1556	0.5644	1.3099	2.3973	1.1787	0.3985	1.6221	0.0186	0	0
Nitrogen Dioxide	R2	10	22	24	64	10	0	0.0045	0.0189	0.2229	0.1987	0.8488	1.4316	0.9823		0.1866	0.1556	0.5644	1.3099	2.3973	1.1787	0.3985	1.6221	0.0186	0	0
Nitrogen Dioxide	R2	10	23	24	72	10	0	0.0045	0.0188	0.2223	0.1982	0.8458	1.426	0.9788		0.1859	0.155	0.5624	1.3052	2.3886	1.1744	0.3971	1.6163	0.0185	0	0
Nitrogen Dioxide	R2	10	24	24	72	10	0	0.0045	0.0188	0.2223	0.1982	0.8458	1.426	0.9788		0.1859	0.155	0.5624	1.3052	2.3886	1.1744	0.3971	1.6163	0.0185	0	0
Nitrogen Dioxide	R2	11	1	21	75	10	0	0.0048	0.02	0.228	0.2034	0.8768	1.4881	1.0147		0.1931	0.161	0.5831	1.3531	2.4763	1.2175	0.4116	1.6756	0.0203	0	0
Nitrogen Dioxide	R2	11	2	21	74	10	0	0.0048	0.0201	0.2285	0.2039	0.8794	1.4928	1.0177		0.1937	0.1615	0.5848	1.357	2.4835	1.221	0.4128	1.6805	0.0204	0	0
Nitrogen Dioxide	R2	11	3	21	74	10	0	0.0048	0.0201	0.2285	0.2039	0.8794	1.4928	1.0177		0.1937	0.1615	0.5848	1.357	2.4835	1.221	0.4128	1.6805	0.0204	0	0
Nitrogen Dioxide	R2	11	4	21	74	10	0	0.0048	0.0201	0.2285	0.2039	0.8794	1.4928	1.0177		0.1937	0.1615	0.5848	1.357	2.4835	1.221	0.4128	1.6805	0.0204	0	0
Nitrogen Dioxide	R2	11	5	21	74	10	0	0.0048	0.0201	0.2285	0.2039	0.8794	1.4928	1.0177		0.1937	0.1615	0.5848	1.357	2.4835	1.221	0.4128	1.6805	0.0204	0	0
Nitrogen Dioxide	R2	11	6	21	73	10	0	0.0048	0.0202	0.2289	0.2043	0.8819	1.4975	1.0206		0.1943	0.1619	0.5865	1.3609	2.4907	1.2246	0.414	1.6853	0.0205	0	0
Nitrogen Dioxide	R2	11	7	21	73	10	0	0.0048	0.0202	0.2289	0.2043	0.8819	1.4975	1.0206		0.1943	0.1619	0.5865	1.3609	2.4907	1.2246	0.414	1.6853	0.0205	0	0
Nitrogen Dioxide	R2	11	8	21	70	10	0	0.0049	0.0204	0.2303	0.2056	0.8895	1.5117	1.0294		0.196	0.1634	0.5916	1.3727	2.5122	1.2352	0.4176	1.6999	0.0208	0	0
Nitrogen Dioxide	R2	11	9	22	66	10	139	0.0049	0.0205	0.2302	0.2054	0.8885	1.5083	1.0283		0.1957	0.1631	0.5909	1.3712	2.5094	1.2338	0.4171	1.6981	0.0208	1.10079	1.77546
Nitrogen Dioxide	R2	11	10	23	61	10	290	0.0049	0.0205	0.2307	0.2058	0.8912	1.5112	1.0313		0.1963	0.1636	0.5927	1.3752	2.5168	1.2374	0.4184	1.703	0.0205	1.10411	1.78083
Nitrogen Dioxide	R2	11	11	25	57	10	272	0.0048	0.0203	0.2288	0.2041	0.8806	1.4901	1.0191		0.1938	0.1615	0.5856	1.3589	2.4869	1.2227	0.4134	1.6828	0.02	1.08836	1.75543
Nitrogen Dioxide	R2	11	12	25	56	10	252	0.0049	0.0204	0.2294	0.2046	0.8839	1.4962	1.0229		0.1945	0.1622	0.5878	1.3639	2.4962	1.2273	0.415	1.6891	0.0201	1.09427	1.76495
Nitrogen Dioxide	R2	11	13	25	56	10	244	0.0049	0.0204	0.2294	0.2046	0.8839	1.4962	1.0229		0.1945	0.1622	0.5878	1.3639	2.4962	1.2273	0.415	1.6891	0.0201	1.09273	1.76247
Nitrogen Dioxide	R2	11	14	26	56	10	218	0.0048	0.02	0.2273	0.2026	0.8731	1.4745	1.0092		0.1919	0.1599	0.5799	1.3458	2.4629	1.2109	0.4094	1.6645	0.0196	1.0775	1.7379
Nitrogen Dioxide	R2	11	15	26	57	10	264	0.0048	0.0199	0.2266	0.202	0.8686	1.468	1.0052		0.1911	0.1593	0.5776	1.3404	2.4531	1.2061	0.4078	1.6599	0.0195	1.07532	1.73439
Nitrogen Dioxide	R2	11	16	25	58	10	258	0.0048	0.0201	0.2282	0.2035	0.8773	1.4841	1.0153		0.1931	0.1609	0.5834	1.3538	2.4777	1.2182	0.4119	1.6765	0.0198	1.08435	1.74895
Nitrogen Dioxide	R2	11	17	24	63	10	282	0.0048	0.0199	0.2274	0.2029	0.8735	1.477	1.0109		0.1922	0.1602	0.5809	1.3479	2.4669	1.2129	0.4101	1.6692	0.0196	1.08032	1.74245
Nitrogen Dioxide	R2	11	18	25	66	10	248	0.0048	0.02	0.228	0.2034	0.8767	1.4845	1.0146		0.195	0.1609	0.583	1.3529	2.476	1.2174	0.4116	1.6754	0.0199	1.0866	1.75258
Nitrogen Dioxide	R2	11	19	23	70	10	89	0.0047	0.0195	0.2259	0.2015	0.8652	1.4632	1.0012		0.1903	0.1587	0.5753	1.3351	2.4434	1.2013	0.4062	1.6533	0.0194	1.06868	1.72368
Nitrogen Dioxide	R2	11	20	22	71	10	0	0.0048	0.02	0.2282	0.2036	0.8777	1.488	1.0157		0.1932	0.1611	0.5837	1.3544	2.4787	1.2187	0.4121	1.6773	0.0201	0	0
Nitrogen Dioxide	R2	11	21	22	72	10	0	0.0047	0.0198	0.2272	0.2027	0.8723	1.478	1.0094		0.192	0.1601	0.5801	1.3461	2.4634	1.2112	0.4095	1.6669	0.0199	0	0
Nitrogen Dioxide	R2	11	22	22	74	10	0	0.0047	0.0196	0.2262	0.2018	0.8668	1.4679	1.0032		0.1908	0.1591	0.5765	1.3377	2.4481	1.2037	0.407	1.6565	0.0197	0	0
Nitrogen Dioxide	R2	11	23	22	74	10	0	0.0047	0.0196	0.2262	0.2018	0.8668	1.4679	1.0032		0.1908	0.1591	0.5765	1.3377	2.4481	1.2037	0.407	1.6565	0.0197	0	0
Nitrogen Dioxide	R2	11	24	21	74	10	0	0.0048	0.0201	0.2285	0.2039	0.8794	1.4928	1.0177		0.1937	0.1615	0.5848	1.357	2.4835	1.221	0.4128	1.6805	0.0204	0	0
Nitrogen Dioxide	R2	12	1	16	68	10	0	0.0057	0.024	0.2406	0.2146	0.943	1.6209	1.0915		0.2085	0.1738	0.6274	1.4552	2.6633	1.3094	0.4427	1.8021	0.0241	0	0
Nitrogen Dioxide	R2	12	2	16	68	10	0	0.0057	0.0239	0.2403	0.2143	0.9412	1.6175	1.0892		0.2081	0.1734	0.6261	1.4524	2.6581	1.3069	0.4419	1.7986	0.024	0	0
Nitrogen Dioxide	R2	12	3	16	69	10	0	0.0057	0.0239	0.2403	0.2143	0.9412	1.6175	1.0892		0.2081	0.1734	0.6261	1.4524	2.6581	1.3069	0.4419	1.7986	0.024	0	0
Nitrogen Dioxide	R2	12	4	15	70	10	0	0.0058	0.0246	0.2416	0.2154	0.9476	1.6316	1.0967		0.2097	0.1747	0.6305	1.4623	2.6763	1.3158	0.4449	1.8109	0.0245	0	0
Nitrogen Dioxide	R2	12	5	15	70	10	0	0.0058	0.0246	0.2416	0.2154	0.9476	1.6316	1.0967		0.2097	0.1747	0.6305	1.4623	2.6763	1.3158	0.4449	1.8109	0.0245	0	0
Nitrogen Dioxide	R2	12	6	15	70	10	0	0.0058	0.0246	0.2416	0.2154	0.9476	1.6316	1.0967		0.2097	0.1747	0.6305	1.4623	2.6763	1.3158	0.4449	1.8109	0.0245	0	0
Nitrogen Dioxide	R2	12	7	15	70	10	0	0.0058	0.0246	0.2416	0.2154	0.9476	1.6316	1.0967		0.2097	0.1747	0.6305	1.4623	2.6763	1.3158	0.4449	1.8109	0.0245	0	0
Nitrogen Dioxide	R2	12	8	15	69	10	0	0.0059	0.0246	0.2419	0.2157	0.9493	1.6348	1.0986		0.2101	0.1753	0.6316	1.465	2.6811	1.3182	0.4457	1.8142	0.0245	0	0
Nitrogen Dioxide	R2	12	9	16	65	10	139	0.0058	0.0242	0.2417	0.2155	0.9485	1.6312	1.0977		0.2098	0.1748	0.631	1.4637	2.6788	1.3171	0.4453	1.8126	0.0243	1.1783	1.90049
Nitrogen Dioxide	R2	12	10	17	62	10	290	0.0056	0.0237	0.2411	0.2151	0.9462	1.6248	1.095		0.2092	0.1743	0.6295	1.4602	2.6723	1.3139	0.4442	1.8082	0.024	1.17538	1.89578
Nitrogen Dioxide	R2	12	11	18	58	10	272	0.0056	0.0234	0.241	0.2151	0.9463	1.6229	1.0951		0.2091	0.1742	0.6295	1.4603	2.6725	1.314	0.4443	1.8083	0.0238	1.17272	1.89148
Nitrogen Dioxide	R2	12	12	19	57	10	252	0.0054	0.0228	0.2398	0.2141	0.9403	1.6097	1.0882		0.2077	0.1731	0.6255	1.451	2.6555	1.3056	0.4414	1.7969	0.0233	1.16684	1.882
Nitrogen Dioxide	R2	12	13	19	56	10	244	0.0055	0.0229	0.2402	0.2145	0.9425	1.6138	1.0907		0.2082	0.1734	0.627	1.4544	2.6618	1.3087	0.4425	1.8011	0.0234	1.16788	1.88368
Nitrogen Dioxide	R2	12	14	19	56	10	218	0.0055	0.0229	0.2402	0.2145	0.9425	1.6138	1.0907		0.2082	0.1734	0.627	1.4544	2.6618	1.3087	0.4425	1.8011	0.0234	1.16749	1.88304
Nitrogen Dioxide	R2	12	15	19	56	10	264	0.0055	0.0229	0.2402	0.2145	0.9425	1.6138	1.0907		0.2082	0.1734	0.627	1.4544	2.6618	1.3087	0.4425	1.8011	0.0234	1.16996	1.88703
Nitrogen Dioxide	R2	12	16	19	57	10	258	0.0054	0.0228	0.2398	0.2141	0.9403	1.6097	1.0882		0.2077	0.1731	0.6255	1.451	2.6555	1.3056	0.4414	1.7969	0.0233	1.16501	1.87905
Nitrogen Dioxide	R2	12	17	18	60	10	282	0.0055	0.0232	0.2402	0.2144	0.9421	1.6151	1.0903		0.2082	0.1734	0.6267	1.4538	2.6607	1.3082	0.4423	1.8004	0.0236	1.16846	1.88462
Nitrogen Dioxide	R2	12	18	18	64	10	248	0.0054	0.0228	0.2387	0.213	0.9337	1.5995	1.0806		0.2063	0.1719	0.6211	1.4409	2.6371	1.2966	0.4384	1.7844	0.0233	1.16011	1.87114
Nitrogen Dioxide	R2	12	19	17	65	10	89	0.0056	0.0235	0.24	0.2141	0.9403	1.6138	1.0882		0.2079	0.1732	0.6256	1.4511	2.6557	1.3051	0.4413	1.7957	0.0235	1.16497	1.87899
Nitrogen Dioxide	R2	12	20	17	66	10	0	0.0056	0.0234	0.2397	0.2138	0.9384	1.6102	1.086		0.2074	0.1728	0.6243	1.4481	2.6502	1.303	0.4406	1.7933	0.0237	0	0
Nitrogen Dioxide	R2	12	21	17	66	10	0	0.0056	0.0234	0.2397	0.2138	0.9384	1.6102	1.086		0.2074	0.1728	0.6243	1.4481	2.6502	1.303	0.4406	1.7933	0.0237	0	0
Nitrogen Dioxide	R2	12	22	16	66	10	0	0.0057	0.0241	0.2413	0.2152	0.9467	1.6277	1.0956		0.2094	0.1745	0.6298	1.4609	2.6736	1.3145	0.4444	1.8091	0.0242	0	0
Nitrogen Dioxide	R2	12	23	16	66	10	0	0.0057	0.0241	0.2413	0.2152	0.9467	1.6277	1.0956		0.2094	0.1745	0.6298	1.4609	2.6736	1.3145	0.4444	1.8091	0.0242	0	0
Nitrogen Dioxide	R2	12	24	16	67	10	0	0.0057	0.024	0.241	0.2149	0.9448	1.6243	1.0934		0.209	0.1741	0.6286	1.4581	2.6684	1.3112	0.4436	1.8056	0.0241	0	0
Nitrogen Dioxide	R3	1	1	17	77	10	0	0.0054	0.0225	0.236	0.2105	0.9188	1.5736	1.0633		0.2029	0.1691	0.6112	1.4179	2.5949	1.2758	0.4314	1.7559	0.0228	0	0
Nitrogen Dioxide	R3	1	2	17	77	10	0	0.0054	0.0225	0.2357	0.2102	0.9169	1.57	1.0611		0.2025	0.1688	0.6099	1.4149	2.5894	1.2731	0.4305	1.7521	0.0227	0	0
Nitrogen Dioxide	R3	1	3	17	77	10	0	0.0054	0.0225	0.2357	0.2102	0.9169	1.57	1.0611		0.2025	0.1688	0.6099	1.4149	2.5894	1.2731	0.4305	1.7521	0.0227	0	0
Nitrogen Dioxide	R3	1	4	17	77	10	0	0.0054	0.0225	0.2357	0.2102	0.9169	1.57	1.0611		0.2025	0.1688	0.6099	1.4149	2.5894	1.2731	0.4305	1.7521	0.0227	0	0
Nitrogen Dioxide	R3	1	5	17	78	10	0	0.0053	0.0224	0.2353	0.2099	0.9149	1.5663	1.0588		0.2021	0.1684	0.6086	1.4119	2.5839	1.2704	0.4295	1.7484	0.0226	0	0
Nitrogen Dioxide	R3	1	6	17	77	10	0	0.0054	0.0225	0.2357	0.2102	0.9169	1.57	1.0611		0.2025	0.1688	0.6099	1.4149	2.5894	1.2731	0.4305	1.7521	0.0227	0	0
Nitrogen Dioxide	R3	1	7	16	77	10	0	0.0055	0.0232	0.2376	0.2118	0.9265	1.5901	1.0723		0.2048	0.1707	0.6164	1.4298	2.6167	1.2866	0.433	1.7706	0.0233	0	0
Nitrogen Dioxide	R3	1	8	17	77	10	0	0.0054	0.0225	0.2357	0.2102	0.9169	1.57	1.0611		0.2025	0.1688	0.6099	1.4149	2.5894	1.2731	0.4305	1.7521	0.0227	0	0
Nitrogen Dioxide	R3	1	9	17	73	10	139	0.0054	0.0228	0.2371	0.2115	0.9247	1.5846	1.0701		0.2043	0.1702	0.6151	1.427	2.6115	1.284	0.4341	1.7673	0.0231	1.14783	1.85134
Nitrogen Dioxide	R3	1	10	19	69	10	290	0.0052	0.0217	0.2348	0.2096	0.9135	1.5598	1.0572		0.2016	0.168	0.6076	1.4097	2.5799	1.2684	0.4289	1.7457	0.0222	1.13346	1.82816
Nitrogen Dioxide	R3	1	11	20	64	10	272	0.0051	0.0214	0.2335	0.2089	0.9015	1.5608	1.0589		0.2019	0.1682	0.6086	1.4112	2.5841	1.2705	0.4296	1.7481	0.0223	1.13271	1.82695
Nitrogen Dioxide	R3	1	12	21	62	10	252	0.0051	0.0212	0.2341	0.209	0.9099	1.5494	1.053		0.2006	0.1672	0.6052	1.4041	2.5696	1.2634	0.4272	1.7388	0.0217	1.12785	1.81912
Nitrogen Dioxide	R3	1	13	21	61	10	244	0.0051	0.0213	0.2345	0.2094	0.9124	1.5541	1.0559		0.2012	0.1677	0.6069	1.408	2.5768	1.2669	0.4284	1.7436	0.0218	1.1294	1.82162
Nitrogen Dioxide	R3	1	14	21	62	10	218	0.0051	0.0212	0.2341	0.209	0.9099	1.5494	1.053		0.2006	0.1672	0.6052	1.4041	2.5696	1.2634	0.4272	1.7388	0.0217	1.12587	1.81591
Nitrogen Dioxide	R3	1	15	21	62	10	264	0.0051	0.0212	0.2341	0.209	0.9099	1.5494	1.053		0.2006	0.1672	0.6052	1.4041	2.5696	1.2634	0.4272	1.7388	0.0217	1.12821	1.8197
Nitrogen Dioxide	R3	1	16	21	63	10	258	0.005	0.0211	0.2336	0.2086	0.9075	1.5446	1.05		0.2001	0.1667	0.6053	1.4002	2.5624	1.2599	0.426	1.7339	0.0216	1.12285	1.81105
Nitrogen Dioxide	R3	1	17	20	67	10	282	0.005	0.0211	0.2337	0.2087	0.9079	1.5475	1.0566		0.2002	0.1669	0.6038	1.401	2.564	1.2606	0.4262	1.7349	0.0218	1.12461	1.81388
Nitrogen Dioxide	R3	1	18	19	72	10	248	0.0051	0.0214	0.2336	0.2085	0.9068	1.5474	1.0494		0.2001	0.1667	0.6032	1.3993	2.561	1.2591	0.4257	1.7329	0.0219	1.12571	1.81566
Nitrogen Dioxide	R3	1	19	18	74	10	89	0.0052	0.0219	0.2348	0.2095	0.9128	1.5605	1.0564		0.2015	0.1679	0.6072	1.4087	2.578	1.2675	0.4286	1.7444	0.0223	1.13003	1.82263
Nitrogen Dioxide	R3	1	20	18	74	10	0	0.0052	0.0219	0.2348	0.2095	0.9128	1.5605	1.0564		0.2015	0.1679	0.6072	1.4087	2.578	1.2675	0.4286	1.7444	0.0223	0	0
Nitrogen Dioxide	R3	1	21	18	75	10	0	0.0052	0.0219	0.2344	0.2092	0.9108	1.5566	1.054		0.201	0.1675	0.6058	1.4055	2.5721	1.2646	0.4276	1.7405	0.0223	0	0
Nitrogen Dioxide	R3	1	22	18	76	10	0	0.0052	0.0218	0.234	0.2088	0.9087	1.5527	1.0516		0.2006	0.1672	0.6044	1.4022	2.5662	1.2617	0.4266	1.7365	0.0222	0	0
Nitrogen Dioxide	R3	1	23	18	75	10	0	0.0052	0.0219	0.2344	0.2092	0.9108	1.5566	1.054		0.201	0.1675	0.6058	1.4055	2.5721	1.2646	0.4276	1.7405	0.0223	0	0
Nitrogen Dioxide	R3	1	24	17	76	10	0	0.0054	0.0225	0.236	0.2105	0.9188	1.5736	1.0633		0.2029	0.1691	0.6112	1.4179	2.5949	1.2758	0.4314	1.7559	0.0228	0	0
Nitrogen Dioxide	R3	2	1	17	78	10	0	0.0053	0.0224	0.2353	0.2099	0.9149	1.5663	1.0588		0.2021	0.1684	0.6086	1.4119	2.5839	1.2704	0.4295	1.7484	0.0226	0	0
Nitrogen Dioxide	R3	2	2	17	80	10	0	0.0053	0.0222	0.2346	0.2092	0.911	1.559	1.0543		0.2012	0.1677	0.606	1.4058	2.5728	1.265	0.4277	1.7409	0.0225	0	0
Nitrogen Dioxide	R3	2	3	17	81	10	0	0.0053	0.0221	0.2342	0.2089	0.909	1.5554	1.052		0.2007	0.1673	0.6047	1.4028	2.5673	1.2623	0.4268	1.7372	0.0224	0	0
Nitrogen Dioxide	R3	2	4	17	82

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:

(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.

(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Dioxide	R3	4	12	24	66	10	252	0.0047	0.0195	0.2257	0.2013	0.8642	1.46	1.0002		0.1901	0.1585	0.5747	1.3337	2.4408	1.2001	0.4057	1.6516	0.0193	1.06953	1.72506
Nitrogen Dioxide	R3	4	13	24	65	10	244	0.0047	0.0196	0.2263	0.2018	0.8673	1.4657	1.0037		0.1908	0.1591	0.5768	1.3384	2.4495	1.2043	0.4072	1.6575	0.0194	1.07186	1.72881
Nitrogen Dioxide	R3	4	14	24	66	10	218	0.0047	0.0195	0.2257	0.2013	0.8642	1.46	1.0002		0.1901	0.1585	0.5747	1.3337	2.4408	1.2001	0.4057	1.6516	0.0193	1.06769	1.72209
Nitrogen Dioxide	R3	4	15	24	66	10	264	0.0047	0.0195	0.2257	0.2013	0.8642	1.46	1.0002		0.1901	0.1585	0.5747	1.3337	2.4408	1.2001	0.4057	1.6516	0.0193	1.06987	1.72559
Nitrogen Dioxide	R3	4	16	24	67	10	258	0.0046	0.0194	0.2252	0.2008	0.8612	1.4543	0.9966		0.1894	0.1579	0.5726	1.3289	2.4321	1.1958	0.4043	1.6457	0.0191	1.06401	1.71615
Nitrogen Dioxide	R3	4	17	23	69	10	282	0.0047	0.0196	0.2264	0.202	0.868	1.4685	1.0046		0.191	0.1592	0.5773	1.3395	2.4515	1.2053	0.4075	1.6588	0.0196	1.07369	1.73176
Nitrogen Dioxide	R3	4	18	22	74	10	248	0.0047	0.0196	0.2262	0.2018	0.8668	1.4679	1.0032		0.1908	0.1591	0.5765	1.3377	2.4481	1.2037	0.407	1.6565	0.0197	1.0744	1.73291
Nitrogen Dioxide	R3	4	19	22	76	10	89	0.0046	0.0194	0.2252	0.2008	0.8614	1.4579	0.9969		0.1895	0.1581	0.5728	1.3293	2.4328	1.1961	0.4044	1.6462	0.0195	1.06424	1.71651
Nitrogen Dioxide	R3	4	20	21	79	10	0	0.0047	0.0196	0.2262	0.2017	0.8666	1.4693	1.003		0.1908	0.1591	0.5763	1.3374	2.4476	1.2034	0.4069	1.6562	0.0198	0	0
Nitrogen Dioxide	R3	4	21	21	80	10	0	0.0047	0.0195	0.2257	0.2013	0.8641	1.4648	1.5		0.1902	0.1586	0.5747	1.3335	2.4404	1.1999	0.4057	1.6513	0.0197	0	0
Nitrogen Dioxide	R3	4	22	21	81	10	0	0.0046	0.0194	0.2252	0.2009	0.8616	1.4598	0.9971		0.1896	0.1581	0.573	1.3295	2.4332	1.1963	0.4045	1.6465	0.0196	0	0
Nitrogen Dioxide	R3	4	23	21	82	10	0	0.0046	0.0193	0.2248	0.2004	0.859	1.4551	0.9941		0.1891	0.1576	0.5713	1.3256	2.426	1.1928	0.4033	1.6416	0.0195	0	0
Nitrogen Dioxide	R3	4	24	20	82	10	0	0.0047	0.0198	0.2272	0.2026	0.8721	1.4811	1.0093		0.1921	0.1602	0.58	1.3458	2.463	1.211	0.4094	1.6666	0.0202	0	0
Nitrogen Dioxide	R3	5	1	26	91	10	0	0.0037	0.0152	0.2047	0.1821	0.75	1.2494	0.8679		0.1641	0.137	0.4985	1.1573	2.118	1.0414	0.3521	1.4332	0.0145	0	0
Nitrogen Dioxide	R3	5	2	25	92	10	0	0.0038	0.0158	0.2076	0.1847	0.7658	1.2786	0.8863		0.1677	0.14	0.5091	1.1818	2.1628	1.0634	0.3595	1.4635	0.0152	0	0
Nitrogen Dioxide	R3	5	3	25	92	10	0	0.0038	0.0158	0.2076	0.1847	0.7658	1.2786	0.8863		0.1677	0.14	0.5091	1.1818	2.1628	1.0634	0.3595	1.4635	0.0152	0	0
Nitrogen Dioxide	R3	5	4	25	91	10	0	0.0038	0.0159	0.2082	0.1853	0.7691	1.2847	0.8901		0.1684	0.1407	0.5113	1.1869	2.1721	1.068	0.3611	1.4698	0.0153	0	0
Nitrogen Dioxide	R3	5	5	25	92	10	0	0.0038	0.0158	0.2076	0.1847	0.7658	1.2786	0.8863		0.1677	0.14	0.5091	1.1818	2.1628	1.0634	0.3595	1.4635	0.0152	0	0
Nitrogen Dioxide	R3	5	6	25	93	10	0	0.0038	0.0156	0.207	0.1842	0.7625	1.2726	0.8825		0.167	0.1394	0.5069	1.1767	2.1536	1.0588	0.358	1.4572	0.0151	0	0
Nitrogen Dioxide	R3	5	7	26	91	10	0	0.0037	0.0152	0.2047	0.1821	0.75	1.2494	0.8679		0.1641	0.137	0.4985	1.1573	2.118	1.0414	0.3521	1.4332	0.0145	0	0
Nitrogen Dioxide	R3	5	8	27	85	10	0	0.0037	0.0154	0.2052	0.1824	0.7521	1.2533	0.8703		0.1646	0.1374	0.4999	1.1606	2.124	1.0443	0.3531	1.4372	0.0146	0	0
Nitrogen Dioxide	R3	5	9	28	80	10	139	0.0038	0.0156	0.2052	0.1824	0.752	1.2531	0.8702		0.1646	0.1374	0.4998	1.1604	2.1237	1.0442	0.353	1.437	0.0146	0.92805	1.49685
Nitrogen Dioxide	R3	5	10	28	78	10	290	0.0038	0.0159	0.2067	0.1837	0.7599	1.2676	0.8794		0.1664	0.1389	0.5051	1.1726	2.146	1.0551	0.3567	1.4521	0.015	0.9383	1.51339
Nitrogen Dioxide	R3	5	11	29	77	10	272	0.0037	0.0155	0.204	0.1812	0.7449	1.2402	0.8621		0.163	0.1361	0.4952	1.1496	2.1039	1.0344	0.3497	1.4236	0.0144	0.9177	1.48017
Nitrogen Dioxide	R3	5	12	29	75	10	252	0.0038	0.0159	0.2055	0.1826	0.7533	1.2556	0.8718		0.1649	0.1377	0.5007	1.1625	2.1275	1.046	0.3537	1.4396	0.0147	0.92967	1.49948
Nitrogen Dioxide	R3	5	13	29	74	10	244	0.0039	0.016	0.2063	0.1833	0.7575	1.2633	0.8766		0.1658	0.1385	0.5035	1.169	2.1393	1.0518	0.3556	1.4476	0.0149	0.93365	1.50589
Nitrogen Dioxide	R3	5	14	29	75	10	218	0.0038	0.0159	0.2055	0.1826	0.7533	1.2556	0.8718		0.1649	0.1377	0.5007	1.1625	2.1275	1.046	0.3537	1.4396	0.0147	0.92814	1.497
Nitrogen Dioxide	R3	5	15	29	75	10	264	0.0038	0.0159	0.2055	0.1826	0.7533	1.2556	0.8718		0.1649	0.1377	0.5007	1.1625	2.1275	1.046	0.3537	1.4396	0.0147	0.92995	1.49992
Nitrogen Dioxide	R3	5	16	29	77	10	258	0.0037	0.0155	0.204	0.1812	0.7449	1.2402	0.8621		0.163	0.1361	0.4952	1.1496	2.1039	1.0344	0.3497	1.4236	0.0144	0.91779	1.48031
Nitrogen Dioxide	R3	5	17	28	78	10	282	0.0038	0.0159	0.2067	0.1837	0.7599	1.2676	0.8794		0.1664	0.1389	0.5051	1.1726	2.146	1.0551	0.3567	1.4521	0.015	0.93722	1.51164
Nitrogen Dioxide	R3	5	18	28	81	10	248	0.0037	0.0154	0.2045	0.1818	0.748	1.2458	0.8652		0.1637	0.1367	0.4972	1.1543	2.1126	1.0382	0.3512	1.4295	0.0145	0.92394	1.49023
Nitrogen Dioxide	R3	5	19	27	84	10	89	0.0037	0.0156	0.2059	0.1831	0.7558	1.2601	0.8746		0.1654	0.1381	0.5024	1.1663	2.1945	1.0494	0.3548	1.4443	0.0148	0.93091	1.50147
Nitrogen Dioxide	R3	5	20	27	87	10	0	0.0036	0.0151	0.2038	0.1812	0.7446	1.2396	0.8618		0.1629	0.136	0.495	1.1491	2.103	1.034	0.3496	1.423	0.0143	0	0
Nitrogen Dioxide	R3	5	21	27	88	10	0	0.0036	0.015	0.2031	0.1806	0.7409	1.2328	0.8575		0.162	0.1354	0.4925	1.1434	2.0925	1.0288	0.3479	1.4159	0.0142	0	0
Nitrogen Dioxide	R3	5	22	26	89	10	0	0.0037	0.0155	0.206	0.1833	0.7569	1.2623	0.876		0.1657	0.1384	0.5032	1.1681	2.1377	1.0511	0.3554	1.4465	0.0148	0	0
Nitrogen Dioxide	R3	5	23	26	89	10	0	0.0037	0.0155	0.206	0.1833	0.7569	1.2623	0.876		0.1657	0.1384	0.5032	1.1681	2.1377	1.0511	0.3554	1.4465	0.0148	0	0
Nitrogen Dioxide	R3	5	24	26	90	10	0	0.0037	0.0154	0.2054	0.1827	0.7535	1.2558	0.8719		0.1649	0.1377	0.5008	1.1627	2.1279	1.0462	0.3537	1.4398	0.0147	0	0
Nitrogen Dioxide	R3	6	1	26	88	10	0	0.0035	0.0144	0.1994	0.1771	0.7204	1.195	0.8337		0.1574	0.1315	0.4788	1.117	2.0346	1.0004	0.3382	1.3767	0.0133	0	0
Nitrogen Dioxide	R3	6	2	27	89	10	0	0.0036	0.0148	0.2024	0.1799	0.7372	1.2259	0.8532		0.1612	0.1347	0.49	1.1377	2.0821	1.0257	0.3461	1.4088	0.014	0	0
Nitrogen Dioxide	R3	6	3	27	89	10	0	0.0036	0.0148	0.2024	0.1799	0.7372	1.2259	0.8532		0.1612	0.1347	0.49	1.1377	2.0821	1.0257	0.3461	1.4088	0.014	0	0
Nitrogen Dioxide	R3	6	4	27	88	10	0	0.0036	0.015	0.2031	0.1806	0.7409	1.2328	0.8575		0.162	0.1354	0.4925	1.1434	2.0925	1.0288	0.3479	1.4159	0.0142	0	0
Nitrogen Dioxide	R3	6	5	27	89	10	0	0.0036	0.0148	0.2024	0.1799	0.7372	1.2259	0.8532		0.1612	0.1347	0.49	1.1377	2.0821	1.0257	0.3461	1.4088	0.014	0	0
Nitrogen Dioxide	R3	6	6	27	90	10	0	0.0035	0.0147	0.2018	0.1793	0.7335	1.2191	0.8489		0.1604	0.134	0.4875	1.1319	2.0716	1.0185	0.3444	1.4017	0.0139	0	0
Nitrogen Dioxide	R3	6	7	28	87	10	0	0.0035	0.0147	0.2001	0.1778	0.7244	1.2022	0.8383		0.1583	0.1322	0.4814	1.1178	2.0457	1.0058	0.3401	1.3843	0.0135	0	0
Nitrogen Dioxide	R3	6	8	29	82	10	0	0.0035	0.0147	0.2001	0.1777	0.724	1.2016	0.8379		0.1582	0.1322	0.4812	1.1173	2.0447	1.0053	0.3399	1.3836	0.0135	0	0
Nitrogen Dioxide	R3	6	9	29	79	10	139	0.0037	0.0152	0.2024	0.1798	0.7366	1.2247	0.8524		0.1611	0.1345	0.4896	1.1366	2.0802	1.0228	0.3458	1.4076	0.014	0.90865	1.46556
Nitrogen Dioxide	R3	6	10	30	76	10	290	0.0036	0.0151	0.2012	0.1787	0.7296	1.2118	0.8443		0.1595	0.1332	0.4849	1.1259	2.0605	1.0131	0.3425	1.3942	0.0137	0.90006	1.45171
Nitrogen Dioxide	R3	6	11	30	75	10	272	0.0037	0.0153	0.202	0.1794	0.734	1.22	0.8495		0.1605	0.1341	0.4879	1.1327	2.073	1.0192	0.3446	1.4027	0.0139	0.90399	1.45804
Nitrogen Dioxide	R3	6	12	30	74	10	252	0.0037	0.0155	0.2029	0.1801	0.7385	1.2282	0.8546		0.1615	0.1349	0.4908	1.1396	2.0856	1.0254	0.3467	1.4112	0.0141	0.91094	1.46925
Nitrogen Dioxide	R3	6	13	31	73	10	244	0.0036	0.0151	0.2001	0.1776	0.7232	1.2001	0.837		0.158	0.1321	0.4807	1.1161	2.0425	1.0042	0.3395	1.3821	0.0135	0.89057	1.43641
Nitrogen Dioxide	R3	6	14	31	72	10	218	0.0037	0.0153	0.201	0.1784	0.7279	1.2088	0.8424		0.1591	0.133	0.4838	1.1233	2.0558	1.0108	0.3418	1.3911	0.0137	0.89618	1.44546
Nitrogen Dioxide	R3	6	15	30	74	10	264	0.0037	0.0155	0.2029	0.1801	0.7385	1.2282	0.8546		0.1615	0.1349	0.4908	1.1396	2.0856	1.0254	0.3467	1.4112	0.0141	0.91121	1.46969
Nitrogen Dioxide	R3	6	16	30	74	10	258	0.0037	0.0155	0.2029	0.1801	0.7385	1.2282	0.8546		0.1615	0.1349	0.4908	1.1396	2.0856	1.0254	0.3467	1.4112	0.0141	0.90963	1.46714
Nitrogen Dioxide	R3	6	17	30	75	10	282	0.0037	0.0153	0.202	0.1794	0.734	1.22	0.8495		0.1605	0.1341	0.4879	1.1327	2.073	1.0192	0.3446	1.4027	0.0139	0.90468	1.45916
Nitrogen Dioxide	R3	6	18	29	79	10	248	0.0037	0.0152	0.2024	0.1798	0.7366	1.2247	0.8524		0.1611	0.1345	0.4896	1.1366	2.0802	1.0228	0.3458	1.4076	0.014	0.90945	1.46685
Nitrogen Dioxide	R3	6	19	29	81	10	89	0.0036	0.0148	0.2009	0.1784	0.7282	1.2093	0.8427		0.1592	0.133	0.484	1.1237	2.0565	1.0111	0.3419	1.3916	0.0137	0.89625	1.44556
Nitrogen Dioxide	R3	6	20	28	83	10	0	0.0036	0.0151	0.203	0.1804	0.7401	1.2313	0.8565		0.1619	0.1352	0.4919	1.1422	2.0903	1.0277	0.3475	1.4144	0.0141	0	0
Nitrogen Dioxide	R3	6	21	28	85	10	0	0.0036	0.0148	0.2016	0.1791	0.7323	1.2168	0.8474		0.1601	0.1337	0.4867	1.13	2.068	1.0168	0.3438	1.3993	0.0138	0	0
Nitrogen Dioxide	R3	6	22	28	86	10	0	0.0035	0.0147	0.2009	0.1784	0.7283	1.2095	0.8429		0.1592	0.1331	0.4841	1.1239	2.0569	1.0113	0.3419	1.3918	0.0137	0	0
Nitrogen Dioxide	R3	6	23	28	87	10	0	0.0035	0.0145	0.2001	0.1778	0.7244	1.2022	0.8383		0.1583	0.1322	0.4814	1.1178	2.0457	1.0058	0.3401	1.3843	0.0135	0	0
Nitrogen Dioxide	R3	6	24	28	87	10	0	0.0035	0.0145	0.2001	0.1778	0.7244	1.2022	0.8383		0.1583	0.1322	0.4814	1.1178	2.0457	1.0058	0.3401	1.3843	0.0135	0	0
Nitrogen Dioxide	R3	7	1	28	84	10	0	0.0036	0.015	0.2023	0.1798	0.7362	1.224	0.852		0.161	0.1345	0.4893	1.1361	2.0792	1.0223	0.3456	1.4069	0.014	0	0
Nitrogen Dioxide	R3	7	2	28	84	10	0	0.0036	0.015	0.2023	0.1798	0.7362	1.224	0.852		0.161	0.1345	0.4893	1.1361	2.0792	1.0223	0.3456	1.4069	0.014	0	0
Nitrogen Dioxide	R3	7	3	28	86	10	0	0.0035	0.0147	0.2009	0.1784	0.7283	1.2095	0.8429		0.1592	0.1331	0.4841	1.1239	2.0569	1.0113	0.3419	1.3918	0.0137	0	0
Nitrogen Dioxide	R3	7	4	28	86	10	0	0.0035	0.0147	0.2009	0.1784	0.7283	1.2095	0.8429		0.1592	0.1331	0.4841	1.1239	2.0569	1.0113	0.3419	1.3918	0.0137	0	0
Nitrogen Dioxide	R3	7	5	28	88	10	0	0.0035	0.0144	0.1994	0.1771	0.7204	1.195	0.8337		0.1574	0.1315	0.4788	1.117	2.0346	1.0004	0.3382	1.3767	0.0133	0	0
Nitrogen Dioxide	R3	7	6	27	88	10	0	0.0036	0.015	0.2031	0.1806	0.7409	1.2328	0.8575		0.162	0.1354	0.4925	1.1434	2.0925	1.0288	0.3479	1.4159	0.0142	0	0
Nitrogen Dioxide	R3	7	7	28	86	10	0	0.0035	0.0147	0.2009	0.1784	0.7283	1.2095	0.8429		0.1592	0.1331	0.4841	1.1239	2.0569	1.0113	0.3419	1.3918	0.0137	0	0
Nitrogen Dioxide	R3	7	8	29	81	10	0	0.0036	0.0148	0.2009	0.1784	0.7282	1.2093	0.8427		0.1592	0.133	0.484	1.1237	2.0565	1.0111	0.3419	1.3916	0.0137	0	0
Nitrogen Dioxide	R3	7	9	30	76	10	139	0.0036	0.0151	0.2012	0.1787	0.7296	1.2118	0.8443		0.1595	0.1332	0.4849	1.1259	2.0605	1.0131	0.3425	1.3942	0.0137	0.89982	1.45133
Nitrogen Dioxide	R3	7	10	31	70	10	290	0.0038	0.0157	0.2027	0.18	0.7374	1.2262	0.8533		0.1612	0.1347	0.4901	1.1379	2.0825	1.0239	0.3462	1.4091	0.0141	0.90988	1.46755
Nitrogen Dioxide	R3	7	11	31	68	10	272	0.0038	0.0154	0.2045	0.1815	0.7468	1.2432	0.8643		0.1634	0.1365	0.4964	1.1524	2.1091	1.037	0.3506	1.4271	0.0144	0.92308	1.484
Nitrogen Dioxide	R3	7	12	32	67	10	252	0.0038	0.0158	0.2019	0.1792	0.7326	1.2174	0.8478		0.1602	0.1339	0.4869	1.1305	2.0689	1.0172	0.3439	1.3999	0.0139	0.90353	1.45731
Nitrogen Dioxide	R3	7	13	32	66	10	244	0.0038	0.016	0.2028	0.18	0.7376	1.2266	0.8536		0.1613	0.1348	0.4902	1.1382	2.083	1.0242	0.3463	1.4095	0.0141	0.90863	1.46554
Nitrogen Dioxide	R3	7	14	32	66	10	218	0.0038	0.016	0.2028	0.18	0.7376	1.2266	0.8536		0.1613	0.1348	0.4902	1.1382	2.083	1.0242	0.3463	1.4095	0.0141	0.90835	1.46508
Nitrogen Dioxide	R3	7	15	31	68	10	264	0.0039	0.0161	0.2045	0.1815	0.7468	1.2436	0.8643		0.1634	0.1365	0.4964	1.1524	2.1091	1.037	0.3506	1.4271	0.0144	0.92177	1.48673
Nitrogen Dioxide	R3	7	16	31	67	10	258	0.0038	0.0159	0.2036	0.1808	0.7421	1.2349	0.8588		0.1622	0.1356	0.4932	1.1442	2.0958	1.0304	0.3484	1.4187	0.0142	0.91419	1.47451
Nitrogen Dioxide	R3	7	17	31	70	10	282	0.0038	0.0157	0.2027	0.18	0.7374	1.2262	0.8533		0.1612	0.1347	0.4901	1.1379	2.0825	1.0239	0.3462	1.4091	0.0141	0.90884	1.46587
Nitrogen Dioxide	R3	7	18	30	73	10	248	0.0038	0.0157	0.2037	0.1809	0.7429	1.2364	0.8598		0.1625	0.1357	0.4938	1.1464	2.0981	1.0316	0.3488	1.4197	0.0143	0.9175	1.47985
Nitrogen Dioxide	R3	7	19	29	76	10	89	0.0038	0.0157	0.2048	0.1819	0.7491	1.2479	0.8669		0.1639	0.1369	0.4979	1.156	2.1157	1.0402	0.3517	1.4316	0.0145	0.92255	1.48799
Nitrogen Dioxide	R3	7	20	29	79	10	0	0.0037	0.0152	0.2024	0.1798	0.7366	1.2247	0.8524		0.1611	0.1345	0.4896	1.1366	2.0802	1.0228	0.3458	1.4076	0.014	0	0
Nitrogen Dioxide	R3	7	21	29	81	10	0	0.0036	0.0148	0.2009	0.1784	0.7282	1.2093	0.8427		0.1592	0.133	0.484	1.1237	2.0565	1.0111	0.3419	1.3916	0.0137	0	0
Nitrogen Dioxide	R3	7	22	29	82	10	0	0.0036	0.0147	0.2001	0.1777	0.7234	1.2016	0.8379		0.1582	0.1322	0.4812	1.1173	2.0447	1.0053	0.3399	1.3836	0.0135	0	0
Nitrogen Dioxide	R3	7	23	28	83	10	0	0.0036	0.0151	0.203	0.1804	0.7401	1.2313	0.8565		0.1619	0.1352	0.4919	1.1422	2.0903	1.0277	0.3475	1.4144	0.0141	0	0
Nitrogen Dioxide	R3	7	24	28	84	10	0	0.0036	0.015	0.2023	0.1798	0.7362	1.224	0.852		0.161	0.1345	0.4893	1.1361	2.0792	1.0223	0.3456	1.4069	0.014	0	0
Nitrogen Dioxide	R3	8	1	27	90	10	0	0.0035	0.0147	0.2018	0.1793	0.7335	1.2191	0.8489		0.1604	0.134	0.4875	1.1319	2.0716	1.0185	0.3444	1.4017	0.0139	0	0
Nitrogen Dioxide	R3	8	2	26	90	10	0	0.0037	0.0154	0.2054	0.1827	0.7535	1.2558	0.8719		0.1649	0.1377	0.5008	1.1627	2.1279	1.0462	0.3537	1.4398	0.0147	0	0
Nitrogen Dioxide	R3	8	3	26	91	10	0	0.0037	0.0152	0.2047	0.1821	0.75	1.2494	0.8679		0.1641	0.137	0.4985	1.1573	2.118	1.0414	0.3521	1.4332	0.0145	0	0
Nitrogen Dioxide	R3	8	4	26	92	10	0	0.0036	0.0151	0.2041	0.1815	0.7465	1.243	0.8639		0.1633	0.1364	0.4962	1.1519	2.1082	1.0365	0.3505	1.4265	0.0144	0	0
Nitrogen Dioxide	R3	8	5	26	93	10	0	0.0036	0.0149	0.2035	0.1809	0.743	1.2365	0.8598		0.1625	0.1357	0.4938	1.1466	2.0983	1.0317	0.3488	1.4198	0.0143	0	0
Nitrogen Dioxide	R3	8	6	26	94	10	0	0.0036	0.0148	0.2028	0.1803	0.7395	1.2301	0.8558		0.1617	0.1351	0.4915	1.1412	2.0885	1.0268	0.3472	1.4132	0.0141	0	0
Nitrogen Dioxide	R3	8	7	26	93	10	0	0.0036	0.0149	0.2035	0.1809	0.743	1.2365	0.8598		0.1625	0.1357	0.4938	1.1466	2.0983	1.0317	0.3488	1.4198	0.0143	0	0
Nitrogen Dioxide	R3	8	8	27	87	10	0	0.0036	0.0151	0.2038	0.1812	0.7446	1.2396	0.8618		0.1629	0.136	0.495	1.1491	2.103	1.034	0.3496	1.423	0.0143	0	0
Nitrogen Dioxide	R3	8	9	29	81	10	139	0.0036	0.0148

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:

(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.

(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Dioxide	R3	10	17	26	65	10	282	0.0045	0.0188	0.2215	0.1973	0.8407	1.4166	0.9729		0.1847	0.154	0.559	1.2973	2.3742	1.1673	0.3947	1.6065	0.0183	1.03898	1.67578
Nitrogen Dioxide	R3	10	18	25	67	10	248	0.0045	0.019	0.2227	0.1985	0.8478	1.4297	0.9811		0.1863	0.1554	0.5637	1.3083	2.3943	1.1772	0.398	1.6201	0.0186	1.04984	1.69329
Nitrogen Dioxide	R3	10	19	25	69	10	89	0.0045	0.0187	0.2215	0.1974	0.8412	1.4176	0.9735		0.1849	0.1542	0.5594	1.2982	2.3758	1.1681	0.3949	1.6076	0.0183	1.03832	1.67479
Nitrogen Dioxide	R3	10	20	25	71	10	0	0.0044	0.0185	0.2203	0.1963	0.8347	1.4055	0.966		0.1834	0.1529	0.5551	1.2881	2.3573	1.1591	0.3919	1.5951	0.018	0	0
Nitrogen Dioxide	R3	10	21	24	71	10	0	0.0045	0.0189	0.2229	0.1987	0.8488	1.4316	0.9823		0.1866	0.1556	0.5644	1.3099	2.3973	1.1787	0.3985	1.6221	0.0186	0	0
Nitrogen Dioxide	R3	10	22	24	71	10	0	0.0045	0.0189	0.2229	0.1987	0.8488	1.4316	0.9823		0.1866	0.1556	0.5644	1.3099	2.3973	1.1787	0.3985	1.6221	0.0186	0	0
Nitrogen Dioxide	R3	10	23	24	72	10	0	0.0045	0.0188	0.2223	0.1982	0.8458	1.426	0.9788		0.1859	0.155	0.5624	1.3052	2.3886	1.1744	0.3971	1.6163	0.0185	0	0
Nitrogen Dioxide	R3	10	24	24	72	10	0	0.0045	0.0188	0.2223	0.1982	0.8458	1.426	0.9788		0.1859	0.155	0.5624	1.3052	2.3886	1.1744	0.3971	1.6163	0.0185	0	0
Nitrogen Dioxide	R3	11	1	21	75	10	0	0.0048	0.02	0.228	0.2034	0.8768	1.4881	1.0147		0.1931	0.161	0.5831	1.3531	2.4763	1.2175	0.4116	1.6756	0.0203	0	0
Nitrogen Dioxide	R3	11	2	21	74	10	0	0.0048	0.0201	0.2285	0.2039	0.8794	1.4928	1.0177		0.1937	0.1615	0.5848	1.357	2.4835	1.221	0.4128	1.6805	0.0204	0	0
Nitrogen Dioxide	R3	11	3	21	74	10	0	0.0048	0.0201	0.2285	0.2039	0.8794	1.4928	1.0177		0.1937	0.1615	0.5848	1.357	2.4835	1.221	0.4128	1.6805	0.0204	0	0
Nitrogen Dioxide	R3	11	4	21	74	10	0	0.0048	0.0201	0.2285	0.2039	0.8794	1.4928	1.0177		0.1937	0.1615	0.5848	1.357	2.4835	1.221	0.4128	1.6805	0.0204	0	0
Nitrogen Dioxide	R3	11	5	21	74	10	0	0.0048	0.0201	0.2285	0.2039	0.8794	1.4928	1.0177		0.1937	0.1615	0.5848	1.357	2.4835	1.221	0.4128	1.6805	0.0204	0	0
Nitrogen Dioxide	R3	11	6	21	73	10	0	0.0048	0.0202	0.2289	0.2043	0.8819	1.4975	1.0206		0.1943	0.1619	0.5865	1.3609	2.4907	1.2246	0.414	1.6853	0.0205	0	0
Nitrogen Dioxide	R3	11	7	21	73	10	0	0.0048	0.0202	0.2289	0.2043	0.8819	1.4975	1.0206		0.1943	0.1619	0.5865	1.3609	2.4907	1.2246	0.414	1.6853	0.0205	0	0
Nitrogen Dioxide	R3	11	8	21	70	10	0	0.0049	0.0204	0.2303	0.2056	0.8895	1.5117	1.0294		0.196	0.1634	0.5916	1.3727	2.5122	1.2352	0.4176	1.6999	0.0208	0	0
Nitrogen Dioxide	R3	11	9	22	66	10	139	0.0049	0.0204	0.2302	0.2054	0.8885	1.5081	1.0283		0.1957	0.1631	0.5909	1.3712	2.5094	1.2338	0.4171	1.698	0.0206	1.10079	1.77546
Nitrogen Dioxide	R3	11	10	23	61	10	290	0.0049	0.0205	0.2307	0.2058	0.8912	1.5112	1.0313		0.1963	0.1636	0.5927	1.3752	2.5168	1.2374	0.4184	1.703	0.0205	1.10411	1.78083
Nitrogen Dioxide	R3	11	11	25	57	10	272	0.0048	0.0203	0.2288	0.2041	0.8806	1.4901	1.0191		0.1938	0.1615	0.5856	1.3589	2.4869	1.2227	0.4134	1.6828	0.02	1.08836	1.75543
Nitrogen Dioxide	R3	11	12	25	56	10	252	0.0049	0.0204	0.2294	0.2046	0.8839	1.4962	1.0229		0.1945	0.1622	0.5878	1.3639	2.4962	1.2273	0.415	1.6891	0.0201	1.09427	1.76495
Nitrogen Dioxide	R3	11	13	25	56	10	244	0.0049	0.0204	0.2294	0.2046	0.8839	1.4962	1.0229		0.1945	0.1622	0.5878	1.3639	2.4962	1.2273	0.415	1.6891	0.0201	1.09273	1.76247
Nitrogen Dioxide	R3	11	14	26	56	10	218	0.0048	0.02	0.2273	0.2026	0.8721	1.4745	1.0092		0.1919	0.1599	0.5799	1.3458	2.4629	1.2109	0.4094	1.6665	0.0196	1.0775	1.7379
Nitrogen Dioxide	R3	11	15	26	57	10	264	0.0048	0.0199	0.2266	0.202	0.8686	1.468	1.0052		0.1911	0.1593	0.5776	1.3404	2.4531	1.2061	0.4078	1.6599	0.0195	1.07532	1.73439
Nitrogen Dioxide	R3	11	16	25	58	10	258	0.0048	0.0201	0.2282	0.2035	0.8773	1.4841	1.0153		0.1931	0.1609	0.5834	1.3538	2.4777	1.2182	0.4119	1.6765	0.0198	1.08435	1.74895
Nitrogen Dioxide	R3	11	17	24	63	10	282	0.0048	0.0199	0.2274	0.2029	0.8735	1.477	1.0109		0.1922	0.1602	0.5809	1.3479	2.4669	1.2129	0.4101	1.6692	0.0196	1.08032	1.74245
Nitrogen Dioxide	R3	11	18	23	66	10	248	0.0048	0.02	0.228	0.2034	0.8767	1.4845	1.0146		0.1931	0.1609	0.583	1.3529	2.476	1.2174	0.4116	1.6754	0.0199	1.0866	1.75258
Nitrogen Dioxide	R3	11	19	23	70	10	89	0.0047	0.0195	0.2259	0.2015	0.8652	1.4632	1.0012		0.1903	0.1587	0.5753	1.3351	2.4434	1.2013	0.4062	1.6533	0.0194	1.06868	1.72368
Nitrogen Dioxide	R3	11	20	22	70	10	0	0.0048	0.02	0.2282	0.2036	0.8777	1.488	1.0157		0.1932	0.1611	0.5837	1.3544	2.4787	1.2187	0.4121	1.6773	0.0203	0	0
Nitrogen Dioxide	R3	11	21	22	72	10	0	0.0047	0.0198	0.2272	0.2027	0.8723	1.478	1.0094		0.192	0.1601	0.5801	1.3461	2.4634	1.2112	0.4095	1.6669	0.0199	0	0
Nitrogen Dioxide	R3	11	22	22	74	10	0	0.0047	0.0196	0.2262	0.2018	0.8668	1.4679	1.0032		0.1908	0.1591	0.5765	1.3377	2.4481	1.2037	0.407	1.6565	0.0197	0	0
Nitrogen Dioxide	R3	11	23	22	74	10	0	0.0047	0.0196	0.2262	0.2018	0.8668	1.4679	1.0032		0.1908	0.1591	0.5765	1.3377	2.4481	1.2037	0.407	1.6565	0.0197	0	0
Nitrogen Dioxide	R3	11	24	21	74	10	0	0.0048	0.0201	0.2285	0.2039	0.8794	1.4928	1.0177		0.1937	0.1615	0.5848	1.357	2.4835	1.221	0.4128	1.6805	0.0204	0	0
Nitrogen Dioxide	R3	12	1	16	68	10	0	0.0057	0.024	0.2406	0.2146	0.943	1.6209	1.0913		0.2085	0.1738	0.6274	1.4552	2.6633	1.3094	0.4427	1.8021	0.0241	0	0
Nitrogen Dioxide	R3	12	2	16	69	10	0	0.0057	0.0239	0.2403	0.2143	0.9412	1.6175	1.0892		0.2081	0.1734	0.6261	1.4524	2.6581	1.3069	0.4419	1.7986	0.024	0	0
Nitrogen Dioxide	R3	12	3	16	69	10	0	0.0057	0.0239	0.2403	0.2143	0.9412	1.6175	1.0892		0.2081	0.1734	0.6261	1.4524	2.6581	1.3069	0.4419	1.7986	0.024	0	0
Nitrogen Dioxide	R3	12	4	15	70	10	0	0.0058	0.0246	0.2416	0.2154	0.9476	1.6316	1.0967		0.2097	0.1747	0.6305	1.4623	2.6763	1.3158	0.4449	1.8109	0.0245	0	0
Nitrogen Dioxide	R3	12	5	15	70	10	0	0.0058	0.0246	0.2416	0.2154	0.9476	1.6316	1.0967		0.2097	0.1747	0.6305	1.4623	2.6763	1.3158	0.4449	1.8109	0.0245	0	0
Nitrogen Dioxide	R3	12	6	15	70	10	0	0.0058	0.0246	0.2416	0.2154	0.9476	1.6316	1.0967		0.2097	0.1747	0.6305	1.4623	2.6763	1.3158	0.4449	1.8109	0.0245	0	0
Nitrogen Dioxide	R3	12	7	15	70	10	0	0.0058	0.0246	0.2416	0.2154	0.9476	1.6316	1.0967		0.2097	0.1747	0.6305	1.4623	2.6763	1.3158	0.4449	1.8109	0.0245	0	0
Nitrogen Dioxide	R3	12	8	15	69	10	0	0.0059	0.0246	0.2419	0.2157	0.9493	1.6348	1.0986		0.2101	0.175	0.6316	1.465	2.6811	1.3182	0.4457	1.8142	0.0245	0	0
Nitrogen Dioxide	R3	12	9	16	65	10	139	0.0058	0.0242	0.2417	0.2155	0.9485	1.6312	1.0977		0.2098	0.1748	0.631	1.4637	2.6788	1.3171	0.4453	1.8126	0.0243	1.1783	1.90049
Nitrogen Dioxide	R3	12	10	17	62	10	290	0.0056	0.0237	0.2411	0.2151	0.9462	1.6248	1.095		0.2092	0.1743	0.6295	1.4602	2.6723	1.3139	0.4442	1.8082	0.024	1.17538	1.89578
Nitrogen Dioxide	R3	12	11	18	58	10	272	0.0056	0.0234	0.241	0.2151	0.9463	1.6229	1.0931		0.2091	0.1742	0.6295	1.4603	2.6725	1.314	0.4443	1.8083	0.0238	1.17272	1.89148
Nitrogen Dioxide	R3	12	12	19	58	10	252	0.0054	0.0232	0.2398	0.2141	0.9403	1.6097	1.0882		0.2077	0.1731	0.6255	1.451	2.6555	1.3056	0.4414	1.7969	0.0233	1.16694	1.882
Nitrogen Dioxide	R3	12	13	19	56	10	244	0.0055	0.0229	0.2402	0.2145	0.9425	1.6138	1.0907		0.2082	0.1734	0.627	1.4544	2.6618	1.3087	0.4425	1.8011	0.0234	1.16788	1.88368
Nitrogen Dioxide	R3	12	14	19	56	10	218	0.0055	0.0229	0.2402	0.2145	0.9425	1.6138	1.0907		0.2082	0.1734	0.627	1.4544	2.6618	1.3087	0.4425	1.8011	0.0234	1.16749	1.88304
Nitrogen Dioxide	R3	12	15	19	56	10	264	0.0055	0.0229	0.2402	0.2145	0.9425	1.6138	1.0907		0.2082	0.1734	0.627	1.4544	2.6618	1.3087	0.4425	1.8011	0.0234	1.16996	1.88703
Nitrogen Dioxide	R3	12	16	19	57	10	258	0.0054	0.0228	0.2398	0.2141	0.9403	1.6097	1.0882		0.2077	0.1731	0.6255	1.451	2.6555	1.3056	0.4414	1.7969	0.0233	1.16501	1.87905
Nitrogen Dioxide	R3	12	17	18	60	10	282	0.0055	0.0232	0.2402	0.2144	0.9421	1.6151	1.0903		0.2082	0.1734	0.6267	1.4538	2.6607	1.3082	0.4423	1.8043	0.0236	1.16846	1.88462
Nitrogen Dioxide	R3	12	18	18	64	10	248	0.0054	0.0228	0.2387	0.213	0.9337	1.5995	1.0806		0.2063	0.1719	0.6211	1.4409	2.6371	1.2966	0.4384	1.7844	0.0233	1.16011	1.87114
Nitrogen Dioxide	R3	12	19	17	65	10	89	0.0056	0.0235	0.24	0.2141	0.9403	1.6138	1.0882		0.2079	0.1732	0.6256	1.4511	2.6557	1.3057	0.4415	1.797	0.0237	1.16497	1.87899
Nitrogen Dioxide	R3	12	20	17	66	10	0	0.0056	0.0234	0.2397	0.2138	0.9384	1.6102	1.086		0.2074	0.1728	0.6243	1.4481	2.6502	1.303	0.4406	1.7933	0.0237	0	0
Nitrogen Dioxide	R3	12	21	17	66	10	0	0.0056	0.0234	0.2397	0.2138	0.9384	1.6102	1.086		0.2074	0.1728	0.6243	1.4481	2.6502	1.303	0.4406	1.7933	0.0237	0	0
Nitrogen Dioxide	R3	12	22	16	66	10	0	0.0057	0.0241	0.2413	0.2152	0.9467	1.6277	1.0956		0.2094	0.1745	0.6298	1.4609	2.6736	1.3145	0.4444	1.8091	0.0242	0	0
Nitrogen Dioxide	R3	12	23	16	67	10	0	0.0057	0.0241	0.2413	0.2152	0.9467	1.6277	1.0956		0.2094	0.1745	0.6298	1.4609	2.6736	1.3145	0.4444	1.8091	0.0242	0	0
Nitrogen Dioxide	R3	12	24	16	67	10	0	0.0057	0.024	0.2411	0.2149	0.9448	1.6243	1.0934		0.209	0.1741	0.6286	1.4581	2.6684	1.312	0.4436	1.8056	0.0241	0	0
Nitrogen Dioxide	R4	1	1	17	76	10	0	0.0054	0.0225	0.236	0.2105	0.9188	1.5736	1.0633		0.2029	0.1691	0.6112	1.4179	2.5949	1.2758	0.4314	1.7559	0.0228	0	0
Nitrogen Dioxide	R4	1	2	17	77	10	0	0.0054	0.0225	0.2357	0.2102	0.9169	1.57	1.0611		0.2025	0.1688	0.6099	1.4149	2.5894	1.2731	0.4305	1.7521	0.0227	0	0
Nitrogen Dioxide	R4	1	3	17	77	10	0	0.0054	0.0225	0.2357	0.2102	0.9169	1.57	1.0611		0.2025	0.1688	0.6099	1.4149	2.5894	1.2731	0.4305	1.7521	0.0227	0	0
Nitrogen Dioxide	R4	1	4	17	77	10	0	0.0054	0.0225	0.2357	0.2102	0.9169	1.57	1.0611		0.2025	0.1688	0.6099	1.4149	2.5894	1.2731	0.4305	1.7521	0.0227	0	0
Nitrogen Dioxide	R4	1	5	17	78	10	0	0.0053	0.0224	0.2353	0.2099	0.9149	1.5663	1.0588		0.2021	0.1684	0.6086	1.4119	2.5839	1.2704	0.4295	1.7464	0.0226	0	0
Nitrogen Dioxide	R4	1	6	17	77	10	0	0.0054	0.0225	0.2357	0.2102	0.9169	1.57	1.0611		0.2025	0.1688	0.6099	1.4149	2.5894	1.2731	0.4305	1.7521	0.0227	0	0
Nitrogen Dioxide	R4	1	7	16	77	10	0	0.0055	0.0232	0.2376	0.2118	0.9265	1.5901	1.0723		0.2048	0.1707	0.6164	1.4298	2.6167	1.2866	0.433	1.7706	0.0233	0	0
Nitrogen Dioxide	R4	1	8	17	77	10	0	0.0054	0.0225	0.2357	0.2102	0.9169	1.57	1.0611		0.2025	0.1688	0.6099	1.4149	2.5894	1.2731	0.4305	1.7521	0.0227	0	0
Nitrogen Dioxide	R4	1	9	17	73	10	139	0.0054	0.0228	0.2371	0.2115	0.9247	1.5846	1.0701		0.2043	0.1702	0.6151	1.427	2.6115	1.284	0.4341	1.7671	0.0231	1.14783	1.85134
Nitrogen Dioxide	R4	1	10	19	69	10	290	0.0052	0.0217	0.2348	0.2096	0.9135	1.5598	1.0573		0.2016	0.168	0.6076	1.4097	2.5799	1.2684	0.4289	1.7457	0.0222	1.13346	1.82816
Nitrogen Dioxide	R4	1	11	20	64	10	272	0.0051	0.0214	0.235	0.2099	0.915	1.5608	1.0589		0.2019	0.1682	0.6086	1.412	2.5841	1.2705	0.4296	1.7486	0.0221	1.13271	1.82695
Nitrogen Dioxide	R4	1	12	21	62	10	252	0.0051	0.0212	0.2341	0.209	0.9099	1.5494	1.053		0.2006	0.1672	0.6052	1.4041	2.5696	1.2634	0.4272	1.7388	0.0217	1.12785	1.81912
Nitrogen Dioxide	R4	1	13	21	61	10	244	0.0051	0.0213	0.2345	0.2094	0.9124	1.5541	1.0559		0.2012	0.1677	0.6069	1.408	2.5768	1.2669	0.4284	1.7436	0.0218	1.1294	1.82162
Nitrogen Dioxide	R4	1	14	21	62	10	218	0.0051	0.0212	0.2341	0.209	0.9099	1.5494	1.053		0.2006	0.1672	0.6052	1.4041	2.5696	1.2634	0.4272	1.7388	0.0217	1.12587	1.81591
Nitrogen Dioxide	R4	1	15	21	62	10	264	0.0051	0.0212	0.2341	0.209	0.9099	1.5494	1.053		0.2006	0.1672	0.6052	1.4041	2.5696	1.2634	0.4272	1.7388	0.0217	1.12821	1.8197
Nitrogen Dioxide	R4	1	16	21	63	10	258	0.005	0.0211	0.2336	0.2086	0.9073	1.5446	1.05		0.2001	0.1667	0.6033	1.4002	2.5624	1.2599	0.4263	1.7349	0.0216	1.12285	1.81105
Nitrogen Dioxide	R4	1	17	20	67	10	282	0.005	0.0211	0.2337	0.2087	0.9079	1.5475	1.0506		0.2002	0.1669	0.6038	1.401	2.564	1.2606	0.4262	1.7349	0.0218	1.12461	1.81388
Nitrogen Dioxide	R4	1	18	19	72	10	248	0.0051	0.0214	0.2356	0.2085	0.9068	1.5474	1.0494		0.2001	0.1667	0.6032	1.3993	2.561	1.2591	0.4257	1.7329	0.0219	1.12571	1.81566
Nitrogen Dioxide	R4	1	19	18	74	10	89	0.0052	0.0219	0.2348	0.2095	0.9128	1.5605	1.0564		0.2015	0.1679	0.6072	1.4087	2.578	1.2675	0.4286	1.7444	0.0223	1.13003	1.82263
Nitrogen Dioxide	R4	1	20	18	74	10	0	0.0052	0.0219	0.2348	0.2095	0.9128	1.5605	1.0564		0.2015	0.1679	0.6072	1.4087	2.578	1.2675	0.4286	1.7444	0.0223	0	0
Nitrogen Dioxide	R4	1	21	18	75	10	0	0.0052	0.0219	0.2344	0.2092	0.9108	1.5566	1.054		0.201	0.1675	0.6058	1.4055	2.5721	1.2646	0.4276	1.7405	0.0223	0	0
Nitrogen Dioxide	R4	1	22	18	76	10	0	0.0052	0.0218	0.234	0.2088	0.9087	1.5527	1.0516		0.2006	0.1672	0.6044	1.4022	2.5662	1.2617	0.4266	1.7365	0.0222	0	0
Nitrogen Dioxide	R4	1	23	18	75	10	0	0.0052	0.0219	0.2344	0.2092	0.9108	1.5566	1.054		0.201	0.1675	0.6058	1.4055	2.5721	1.2646	0.4276	1.7405	0.0223	0	0
Nitrogen Dioxide	R4	1	24	17	76	10	0	0.0054	0.0225	0.236	0.2105	0.9188	1.5736	1.0633		0.2029	0.1691	0.6112	1.4179	2.5949	1.2758	0.4314	1.7559	0.0228	0	0
Nitrogen Dioxide	R4	2	1	17	77	10	0	0.0053	0.0224	0.2353	0.2099	0.9149	1.5663	1.0588		0.2021	0.1684	0.6086	1.4119	2.5839	1.2704	0.4295	1.7464	0.0226	0	0
Nitrogen Dioxide	R4	2	2	17	80	10	0	0.0053	0.0222	0.2346	0.2092	0.911	1.559	1.0543		0.2012	0.1677	0.606	1.4058	2.5728	1.265	0.4277	1.7409	0.0225	0	0
Nitrogen Dioxide	R4	2	3	17	81	10	0	0.0053	0.0221	0.2342	0.2089	0.909	1.5554	1.0522		0.2007	0.1673	0.6047	1.4028	2.5673	1.2623	0.4268	1.7372	0.0224	0	0
Nitrogen Dioxide	R4	2	4	17	82	10	0	0.0053	0.022	0.2339	0.2085	0.9071	1.5517	1.0498		0.2003	0.1669	0.6034	1.3998	2.5618	1.2596	0.4259	1.7335	0.0223	0	0
Nitrogen Dioxide	R4	2	5	16	83	10	0	0.0054	0.0228	0.2355	0.21	0.9156	1.5695	1.0596		0.2023	0.1686	0.6091	1.4129	2.5857	1.2713	0.4298	1.7497	0.0228	0	0
Nitrogen Dioxide	R4	2	6	16	83	10	0	0.0054	0.0228	0.2355	0.21	0.9156	1.5695	1.0596		0.2023	0.1686	0.6091	1.4129	2.5857	1.2713	0.4298	1.7497	0.0228	0	0
Nitrogen Dioxide	R4	2	7	16	83	10	0	0.0054	0.0228	0.2355	0.21	0.9156	1.5695	1.0596		0.2023	0.1686	0.6091	1.4129	2.5857	1.2713	0.4298	1.7497	0.0228	0	0
Nitrogen Dioxide	R4	2	8	17	81	10	0	0.0053	0.0221	0.2342	0.2089	0.909	1.5554	1.0522		0.2007	0.1673	0.6047	1.4028	2.5673	1.2623	0.4268	1.7372	0.0224	0	0
Nitrogen Dioxide	R4	2	9	18	77	10	139	0.0052	0.0217	0.2337	0.2085	0.9066	1.5489	1.0492		0.2001	0.1668	0.603	1.399	2.5603	1.2588	0.4256	1.7325	0.0221	1.12469	1.81402
Nitrogen Dioxide	R4	2	10	19	73	10	290	0.0051	0.0213	0.2332	0.2081	0.9046	1.5432	1.0468		0.1996	0.1663	0.6017	1.3959	2.5547	1.256	0.4247	1.7286	0.0218	1.12212	1.80986
Nitrogen Dioxide	R4	2	11	20	70	10	272	0.005	0.0209	0.2324	0.2075	0.9007	1.5342	1.0424		0.1986	0.1655	0.5991	1.39	2.5438	1.2507	0.4229	1.7213	0.0215	1.11472	1.79794
Nitrogen Dioxide	R4	2	12	20	68	10	252	0.005	0.021	0.2333	0.2083	0.9055	1.5431	1.0479		0.1997	0.1664	0.6023	1.3973	2.5572	1.2573	0.4251	1.7304	0.0217	1.12257	1.8106
Nitrogen Dioxide	R4	2	13	21	65	10	244	0.005	0.0209	0.2327	0.2077	0.9022	1.5352	1.0441		0.1989	0.1658	0.6001	1.3923	2.5481	1.2528	0.4236	1.7242	0.0213	1.11656	1.8009
Nitrogen Dioxide	R4	2	14	21	65	10	218

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:

(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.

(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Dioxide	R4	4	22	21	81	10	0	0.0046	0.0194	0.2252	0.2009	0.8616	1.4598	0.9971		0.1896	0.1581	0.573	1.3295	2.4332	1.1963	0.4045	1.6465	0.0196	0	0
Nitrogen Dioxide	R4	4	23	21	82	10	0	0.0046	0.0193	0.2248	0.2004	0.859	1.4551	0.9941		0.1891	0.1576	0.5713	1.3256	2.426	1.1928	0.4033	1.6416	0.0195	0	0
Nitrogen Dioxide	R4	4	24	20	82	10	0	0.0047	0.0198	0.2272	0.2026	0.8721	1.4811	1.0093		0.1921	0.1602	0.58	1.3458	2.463	1.211	0.4094	1.6666	0.0202	0	0
Nitrogen Dioxide	R4	5	1	26	91	10	0	0.0037	0.0152	0.2047	0.1821	0.75	1.2494	0.8679		0.1641	0.137	0.4985	1.1573	2.118	1.0414	0.3521	1.4332	0.0145	0	0
Nitrogen Dioxide	R4	5	2	25	92	10	0	0.0038	0.0158	0.2076	0.1847	0.7658	1.2786	0.8863		0.1677	0.14	0.5091	1.1818	2.1628	1.0634	0.3595	1.4635	0.0152	0	0
Nitrogen Dioxide	R4	5	3	25	92	10	0	0.0038	0.0158	0.2076	0.1847	0.7658	1.2786	0.8863		0.1677	0.14	0.5091	1.1818	2.1628	1.0634	0.3595	1.4635	0.0152	0	0
Nitrogen Dioxide	R4	5	4	25	91	10	0	0.0038	0.0159	0.2082	0.1853	0.7691	1.2847	0.8901		0.1684	0.1407	0.5113	1.1869	2.1721	1.068	0.3611	1.4698	0.0153	0	0
Nitrogen Dioxide	R4	5	5	25	92	10	0	0.0038	0.0158	0.2076	0.1847	0.7658	1.2786	0.8863		0.1677	0.14	0.5091	1.1818	2.1628	1.0634	0.3595	1.4635	0.0152	0	0
Nitrogen Dioxide	R4	5	6	25	93	10	0	0.0038	0.0156	0.207	0.1842	0.7625	1.2726	0.8825		0.167	0.1394	0.5069	1.1767	2.1536	1.0588	0.358	1.4572	0.0151	0	0
Nitrogen Dioxide	R4	5	7	26	91	10	0	0.0037	0.0152	0.2047	0.1821	0.75	1.2494	0.8679		0.1641	0.137	0.4985	1.1573	2.118	1.0414	0.3521	1.4332	0.0145	0	0
Nitrogen Dioxide	R4	5	8	27	85	10	0	0.0037	0.0154	0.2052	0.1824	0.7521	1.2533	0.8703		0.1646	0.1374	0.4999	1.1606	2.124	1.0443	0.3531	1.4372	0.0146	0	0
Nitrogen Dioxide	R4	5	9	28	80	10	139	0.0038	0.0156	0.2052	0.1824	0.752	1.2531	0.8702		0.1646	0.1374	0.4998	1.1604	2.1237	1.0442	0.353	1.437	0.0146	0.92805	1.49685
Nitrogen Dioxide	R4	5	10	28	78	10	290	0.0038	0.0159	0.2067	0.1837	0.7599	1.2676	0.8794		0.1664	0.1389	0.5051	1.1726	2.146	1.0551	0.3567	1.4521	0.015	0.93823	1.51359
Nitrogen Dioxide	R4	5	11	29	77	10	272	0.0037	0.0155	0.204	0.1812	0.7449	1.2402	0.8621		0.163	0.1361	0.4952	1.1496	2.1039	1.0344	0.3497	1.4236	0.0144	0.9177	1.48017
Nitrogen Dioxide	R4	5	12	29	75	10	252	0.0038	0.0159	0.2055	0.1826	0.7533	1.2556	0.8718		0.1649	0.1377	0.5007	1.1625	2.1275	1.046	0.3537	1.4396	0.0147	0.92967	1.49948
Nitrogen Dioxide	R4	5	13	29	74	10	244	0.0039	0.016	0.2063	0.1833	0.7575	1.2633	0.8766		0.1658	0.1385	0.5035	1.169	2.1393	1.0518	0.3556	1.4476	0.0149	0.93365	1.50589
Nitrogen Dioxide	R4	5	14	29	75	10	218	0.0038	0.0159	0.2055	0.1826	0.7533	1.2556	0.8718		0.1649	0.1377	0.5007	1.1625	2.1275	1.046	0.3537	1.4396	0.0147	0.92814	1.497
Nitrogen Dioxide	R4	5	15	29	75	10	264	0.0038	0.0159	0.2055	0.1826	0.7533	1.2556	0.8718		0.1649	0.1377	0.5007	1.1625	2.1275	1.046	0.3537	1.4396	0.0147	0.92995	1.49992
Nitrogen Dioxide	R4	5	16	29	77	10	258	0.0037	0.0155	0.204	0.1812	0.7449	1.2402	0.8621		0.163	0.1361	0.4952	1.1496	2.1039	1.0344	0.3497	1.4236	0.0144	0.91779	1.48031
Nitrogen Dioxide	R4	5	17	28	78	10	282	0.0038	0.0159	0.2067	0.1837	0.7599	1.2676	0.8794		0.1664	0.1389	0.5051	1.1726	2.146	1.0551	0.3567	1.4521	0.015	0.93722	1.51164
Nitrogen Dioxide	R4	5	18	28	81	10	248	0.0037	0.0154	0.2045	0.1818	0.748	1.2458	0.8657		0.1637	0.1367	0.4972	1.1543	2.1126	1.0387	0.3512	1.4295	0.0145	0.92394	1.49023
Nitrogen Dioxide	R4	5	19	27	84	10	89	0.0037	0.0156	0.2059	0.1831	0.7558	1.2601	0.8746		0.1654	0.1381	0.5024	1.1663	2.1345	1.0494	0.3548	1.4443	0.0148	0.93091	1.50147
Nitrogen Dioxide	R4	5	20	27	87	10	0	0.0036	0.0151	0.2038	0.1812	0.7446	1.2396	0.8618		0.1629	0.136	0.495	1.1491	2.103	1.034	0.3496	1.423	0.0143	0	0
Nitrogen Dioxide	R4	5	21	27	88	10	0	0.0036	0.015	0.2031	0.1806	0.7409	1.2328	0.8575		0.162	0.1354	0.4925	1.1434	2.0925	1.0288	0.3479	1.4159	0.0142	0	0
Nitrogen Dioxide	R4	5	22	26	89	10	0	0.0037	0.0155	0.206	0.1833	0.7569	1.2623	0.876		0.1657	0.1384	0.5032	1.1681	2.1377	1.0511	0.3554	1.4465	0.0148	0	0
Nitrogen Dioxide	R4	5	23	26	89	10	0	0.0037	0.0155	0.206	0.1833	0.7569	1.2623	0.876		0.1657	0.1384	0.5032	1.1681	2.1377	1.0511	0.3554	1.4465	0.0148	0	0
Nitrogen Dioxide	R4	5	24	26	90	10	0	0.0037	0.0154	0.2054	0.1827	0.7585	1.2558	0.8719		0.1649	0.1377	0.5008	1.1627	2.1229	1.0462	0.3537	1.4398	0.0147	0	0
Nitrogen Dioxide	R4	6	1	28	88	10	0	0.0035	0.0144	0.1994	0.1771	0.7204	1.195	0.8337		0.1574	0.1315	0.4788	1.1117	2.0346	1.0004	0.3382	1.3767	0.0133	0	0
Nitrogen Dioxide	R4	6	2	27	89	10	0	0.0036	0.0148	0.2024	0.1799	0.7372	1.2259	0.8532		0.1612	0.1347	0.49	1.1377	2.0821	1.0257	0.3461	1.4088	0.014	0	0
Nitrogen Dioxide	R4	6	3	27	89	10	0	0.0036	0.0148	0.2024	0.1799	0.7372	1.2259	0.8532		0.1612	0.1347	0.49	1.1377	2.0821	1.0257	0.3461	1.4088	0.014	0	0
Nitrogen Dioxide	R4	6	4	27	88	10	0	0.0036	0.015	0.2031	0.1806	0.7409	1.2328	0.8575		0.162	0.1354	0.4925	1.1434	2.0925	1.0288	0.3479	1.4159	0.0142	0	0
Nitrogen Dioxide	R4	6	5	27	89	10	0	0.0036	0.0148	0.2024	0.1799	0.7372	1.2259	0.8532		0.1612	0.1347	0.49	1.1377	2.0821	1.0257	0.3461	1.4088	0.014	0	0
Nitrogen Dioxide	R4	6	6	27	90	10	0	0.0035	0.0147	0.2018	0.1793	0.7335	1.2191	0.8489		0.1604	0.134	0.4875	1.1319	2.0716	1.0185	0.3444	1.4017	0.0139	0	0
Nitrogen Dioxide	R4	6	7	28	87	10	0	0.0035	0.0145	0.2001	0.1778	0.7244	1.2022	0.8383		0.1583	0.1322	0.4814	1.1178	2.0457	1.0058	0.3401	1.3843	0.0135	0	0
Nitrogen Dioxide	R4	6	8	29	82	10	0	0.0035	0.0147	0.2001	0.1777	0.724	1.2016	0.8379		0.1582	0.1322	0.4812	1.1173	2.0447	1.0053	0.3399	1.3836	0.0135	0	0
Nitrogen Dioxide	R4	6	9	29	79	10	139	0.0037	0.0152	0.2024	0.1798	0.7366	1.2247	0.8524		0.1611	0.1345	0.4896	1.1366	2.0802	1.0228	0.3458	1.4076	0.014	0.90865	1.46556
Nitrogen Dioxide	R4	6	10	30	76	10	290	0.0036	0.0151	0.2012	0.1787	0.7296	1.2118	0.8443		0.1595	0.1332	0.4849	1.1259	2.0605	1.0131	0.3425	1.3942	0.0137	0.90006	1.45171
Nitrogen Dioxide	R4	6	11	30	75	10	272	0.0037	0.0153	0.202	0.1794	0.734	1.22	0.8495		0.1605	0.1341	0.4879	1.1327	2.073	1.0192	0.3446	1.4027	0.0139	0.90399	1.45804
Nitrogen Dioxide	R4	6	12	30	74	10	252	0.0037	0.0155	0.2029	0.1801	0.7385	1.2282	0.8546		0.1615	0.1349	0.4908	1.1396	2.0856	1.0254	0.3467	1.4112	0.0141	0.91094	1.46925
Nitrogen Dioxide	R4	6	13	31	73	10	244	0.0036	0.0151	0.2001	0.1776	0.7232	1.2001	0.837		0.158	0.1321	0.4807	1.1161	2.0425	1.0042	0.3395	1.3821	0.0135	0.89057	1.43641
Nitrogen Dioxide	R4	6	14	31	72	10	218	0.0037	0.0153	0.201	0.1784	0.7279	1.2088	0.8424		0.1591	0.133	0.4838	1.1233	2.0558	1.0108	0.3418	1.3911	0.0137	0.89618	1.44546
Nitrogen Dioxide	R4	6	15	30	74	10	264	0.0037	0.0155	0.2029	0.1801	0.7385	1.2282	0.8546		0.1615	0.1349	0.4908	1.1396	2.0856	1.0254	0.3467	1.4112	0.0141	0.91121	1.46969
Nitrogen Dioxide	R4	6	16	30	74	10	258	0.0037	0.0155	0.2029	0.1801	0.7385	1.2282	0.8546		0.1615	0.1349	0.4908	1.1396	2.0856	1.0254	0.3467	1.4112	0.0141	0.90963	1.46714
Nitrogen Dioxide	R4	6	17	30	75	10	282	0.0037	0.0153	0.202	0.1794	0.734	1.22	0.8495		0.1605	0.1341	0.4879	1.1327	2.073	1.0192	0.3446	1.4027	0.0139	0.90468	1.45916
Nitrogen Dioxide	R4	6	18	29	79	10	248	0.0037	0.0152	0.2024	0.1798	0.7366	1.2247	0.8524		0.1611	0.1345	0.4896	1.1366	2.0802	1.0228	0.3458	1.4076	0.014	0.90945	1.46685
Nitrogen Dioxide	R4	6	19	29	81	10	89	0.0036	0.0148	0.2009	0.1784	0.7282	1.2093	0.8427		0.1592	0.133	0.484	1.1237	2.0565	1.0111	0.3419	1.3916	0.0137	0.89625	1.44556
Nitrogen Dioxide	R4	6	20	28	85	10	0	0.0036	0.0151	0.203	0.1804	0.7401	1.2313	0.8565		0.1619	0.1352	0.4919	1.1422	2.0903	1.0277	0.3475	1.4144	0.0141	0	0
Nitrogen Dioxide	R4	6	21	28	85	10	0	0.0036	0.0148	0.2016	0.1791	0.7323	1.2168	0.8474		0.1601	0.1337	0.4867	1.13	2.068	1.0168	0.3438	1.3993	0.0138	0	0
Nitrogen Dioxide	R4	6	22	28	86	10	0	0.0035	0.0147	0.2009	0.1784	0.7283	1.2095	0.8429		0.1593	0.1331	0.4841	1.1239	2.0569	1.0113	0.3419	1.3918	0.0137	0	0
Nitrogen Dioxide	R4	6	23	28	87	10	0	0.0035	0.0145	0.2001	0.1778	0.7244	1.2022	0.8383		0.1583	0.1322	0.4814	1.1178	2.0457	1.0058	0.3401	1.3843	0.0135	0	0
Nitrogen Dioxide	R4	6	24	28	87	10	0	0.0035	0.0145	0.2001	0.1778	0.7244	1.2022	0.8383		0.1583	0.1322	0.4814	1.1178	2.0457	1.0058	0.3401	1.3843	0.0135	0	0
Nitrogen Dioxide	R4	7	1	28	84	10	0	0.0036	0.015	0.2023	0.1798	0.7362	1.224	0.852		0.161	0.1345	0.4893	1.1361	2.0792	1.0223	0.3456	1.4069	0.014	0	0
Nitrogen Dioxide	R4	7	2	28	86	10	0	0.0036	0.015	0.2023	0.1798	0.7362	1.224	0.852		0.161	0.1345	0.4893	1.1361	2.0792	1.0223	0.3456	1.4069	0.014	0	0
Nitrogen Dioxide	R4	7	3	28	86	10	0	0.0035	0.0147	0.2009	0.1784	0.7283	1.2095	0.8429		0.1592	0.1331	0.4841	1.1239	2.0569	1.0113	0.3419	1.3918	0.0137	0	0
Nitrogen Dioxide	R4	7	4	28	86	10	0	0.0035	0.0147	0.2009	0.1784	0.7283	1.2095	0.8429		0.1592	0.1331	0.4841	1.1239	2.0569	1.0113	0.3419	1.3918	0.0137	0	0
Nitrogen Dioxide	R4	7	5	28	88	10	0	0.0035	0.0144	0.1994	0.1771	0.7204	1.195	0.8337		0.1574	0.1315	0.4788	1.1117	2.0346	1.0004	0.3382	1.3767	0.0133	0	0
Nitrogen Dioxide	R4	7	6	27	88	10	0	0.0036	0.015	0.2031	0.1806	0.7409	1.2328	0.8575		0.162	0.1354	0.4925	1.1434	2.0925	1.0288	0.3479	1.4159	0.0142	0	0
Nitrogen Dioxide	R4	7	7	28	86	10	0	0.0035	0.0147	0.2009	0.1784	0.7283	1.2095	0.8429		0.1592	0.1331	0.4841	1.1239	2.0569	1.0113	0.3419	1.3918	0.0137	0	0
Nitrogen Dioxide	R4	7	8	29	81	10	0	0.0036	0.0148	0.2009	0.1784	0.7282	1.2093	0.8427		0.1592	0.133	0.484	1.1237	2.0565	1.0111	0.3419	1.3916	0.0137	0	0
Nitrogen Dioxide	R4	7	9	30	76	10	139	0.0036	0.0151	0.2012	0.1787	0.7296	1.2118	0.8443		0.1596	0.1332	0.4849	1.1259	2.0605	1.0131	0.3425	1.3942	0.0137	0.89982	1.45133
Nitrogen Dioxide	R4	7	10	31	70	10	290	0.0035	0.0147	0.2007	0.18	0.7314	1.2262	0.8533		0.1612	0.1347	0.4901	1.1379	2.0825	1.0239	0.3462	1.4091	0.0141	0.90988	1.46755
Nitrogen Dioxide	R4	7	11	31	68	10	272	0.0039	0.0161	0.2045	0.1815	0.7468	1.2436	0.8643		0.1634	0.1365	0.4964	1.1524	2.1091	1.037	0.3506	1.4271	0.0144	0.92008	1.484
Nitrogen Dioxide	R4	7	12	32	67	10	252	0.0038	0.0158	0.2019	0.1792	0.7326	1.2174	0.8478		0.1602	0.1339	0.4869	1.1305	2.0689	1.0172	0.3439	1.3999	0.0139	0.90353	1.45731
Nitrogen Dioxide	R4	7	13	32	66	10	244	0.0038	0.016	0.2028	0.18	0.7376	1.2266	0.8536		0.1613	0.1348	0.4902	1.1382	2.083	1.0242	0.3463	1.4095	0.0141	0.90863	1.46554
Nitrogen Dioxide	R4	7	14	32	66	10	218	0.0038	0.016	0.2028	0.18	0.7376	1.2266	0.8536		0.1613	0.1348	0.4902	1.1382	2.083	1.0242	0.3463	1.4095	0.0141	0.90835	1.46508
Nitrogen Dioxide	R4	7	15	31	68	10	264	0.0037	0.0153	0.2045	0.1815	0.7468	1.2436	0.8643		0.1634	0.1365	0.4964	1.1524	2.1091	1.037	0.3506	1.4271	0.0144	0.92177	1.48673
Nitrogen Dioxide	R4	7	16	31	69	10	258	0.0038	0.0159	0.2036	0.1808	0.7421	1.2349	0.8588		0.1623	0.1356	0.4932	1.1452	2.0958	1.0304	0.3484	1.4181	0.0142	0.91419	1.47451
Nitrogen Dioxide	R4	7	17	31	70	10	282	0.0038	0.0157	0.2027	0.18	0.7374	1.2262	0.8533		0.1612	0.1347	0.4901	1.1379	2.0825	1.0239	0.3462	1.4091	0.0141	0.90884	1.46587
Nitrogen Dioxide	R4	7	18	30	73	10	248	0.0038	0.0157	0.2037	0.1809	0.7429	1.2364	0.8598		0.1625	0.1357	0.4938	1.1464	2.0981	1.0316	0.3488	1.4197	0.0143	0.9175	1.47985
Nitrogen Dioxide	R4	7	19	29	76	10	89	0.0038	0.0157	0.2048	0.1819	0.7491	1.2479	0.8669		0.1639	0.1369	0.4979	1.156	2.1157	1.0402	0.3517	1.4316	0.0145	0.92255	1.48799
Nitrogen Dioxide	R4	7	20	29	79	10	0	0.0037	0.0152	0.2024	0.1798	0.7366	1.2247	0.8524		0.1611	0.1345	0.4896	1.1366	2.0802	1.0228	0.3458	1.4076	0.014	0	0
Nitrogen Dioxide	R4	7	21	29	81	10	0	0.0036	0.0148	0.2009	0.1784	0.7282	1.2093	0.8427		0.1592	0.133	0.484	1.1237	2.0565	1.0111	0.3419	1.3916	0.0137	0	0
Nitrogen Dioxide	R4	7	22	29	82	10	0	0.0035	0.0147	0.2001	0.1777	0.724	1.2016	0.8379		0.1582	0.1322	0.4812	1.1173	2.0447	1.0053	0.3399	1.3836	0.0135	0	0
Nitrogen Dioxide	R4	7	23	28	83	10	0	0.0036	0.0151	0.203	0.1804	0.7401	1.2313	0.8565		0.1619	0.1352	0.4919	1.1422	2.0903	1.0277	0.3475	1.4144	0.0141	0	0
Nitrogen Dioxide	R4	7	24	28	84	10	0	0.0036	0.015	0.2023	0.1798	0.7362	1.224	0.852		0.161	0.1345	0.4893	1.1361	2.0792	1.0223	0.3456	1.4069	0.014	0	0
Nitrogen Dioxide	R4	8	1	27	90	10	0	0.0035	0.0147	0.2018	0.1793	0.7335	1.2191	0.8489		0.1604	0.134	0.4875	1.1319	2.0716	1.0185	0.3444	1.4017	0.0139	0	0
Nitrogen Dioxide	R4	8	2	26	91	10	0	0.0037	0.0154	0.2054	0.1827	0.7585	1.2558	0.8719		0.1649	0.1377	0.5008	1.1627	2.1229	1.0462	0.3537	1.4398	0.0147	0	0
Nitrogen Dioxide	R4	8	3	26	91	10	0	0.0037	0.0152	0.2047	0.1821	0.75	1.2494	0.8679		0.1641	0.137	0.4985	1.1573	2.118	1.0414	0.3521	1.4332	0.0145	0	0
Nitrogen Dioxide	R4	8	4	26	92	10	0	0.0036	0.0151	0.2041	0.1815	0.7465	1.243	0.8639		0.1633	0.1364	0.4962	1.1519	2.1082	1.0365	0.3505	1.4265	0.0144	0	0
Nitrogen Dioxide	R4	8	5	26	93	10	0	0.0036	0.0149	0.2035	0.1809	0.7431	1.2365	0.8598		0.1625	0.1357	0.4938	1.1466	2.0983	1.0317	0.3488	1.4198	0.0143	0	0
Nitrogen Dioxide	R4	8	6	26	94	10	0	0.0036	0.0148	0.2028	0.1803	0.7395	1.2301	0.8558		0.1617	0.1351	0.4915	1.1412	2.0885	1.0268	0.3472	1.4132	0.0141	0	0
Nitrogen Dioxide	R4	8	7	26	93	10	0	0.0036	0.0149	0.2035	0.1809	0.7431	1.2365	0.8598		0.1625	0.1357	0.4938	1.1466	2.0983	1.0317	0.3488	1.4198	0.0143	0	0
Nitrogen Dioxide	R4	8	8	27	87	10	0	0.0036	0.0151	0.2038	0.1812	0.7446	1.2396	0.8618		0.1629	0.136	0.495	1.1491	2.103	1.034	0.3496	1.423	0.0143	0	0
Nitrogen Dioxide	R4	8	9	29	81	10	139	0.0036	0.0148	0.2009	0.1784	0.7282	1.2093	0.8427		0.1592	0.133	0.484	1.1237	2.0565	1.0111	0.3419	1.3916	0.0137	0.89809	1.44853
Nitrogen Dioxide	R4	8	10	30	76	10	290	0.0036	0.0151	0.2012	0.1787	0.7296	1.2118	0.8443		0.1595	0.1332	0.4849	1.1259	2.0605	1.0131	0.3425	1.3942	0.0137	0.90006	1.45171
Nitrogen Dioxide	R4	8	11	30	73	10	272	0.0038	0.0157	0.2037	0.1809	0.7429	1.2364	0.8598		0.1625	0.1357	0.4938	1.1464	2.0981	1.0316	0.3488	1.4197	0.0143	0.91518	1.4761
Nitrogen Dioxide	R4	8	12	30	73	10	252	0.0038	0.0157	0.2037	0.1809	0.7429	1.2364	0.8598		0.1625	0.1357	0.4938	1.1464	2.0981	1.0316	0.3488	1.4197	0.0143	0.91659	1.47837
Nitrogen Dioxide	R4	8	13	30	74	10	244	0.0037	0.0155	0.2029	0.1801	0.7385	1.2282	0.8546		0.1615	0.1349	0.4908	1.1396	2.0856	1.0254	0.3467	1.4112	0.0141	0.90972	1.46729
Nitrogen Dioxide	R4	8	14	30	74	10	218	0.0037	0.0155	0.2029	0.1801	0.7385	1.2282	0.8546		0.1615	0.1349	0.4908	1.1396	2.0856	1.0254	0.3467	1.4112	0.0141	0.90944	1.46684
Nitrogen Dioxide	R4	8	15	30	75	10	264	0.0037	0.0153	0.202	0.1794	0.734	1.22	0.8495		0.1605	0.1341	0.4879	1.1327	2.073	1.0192	0.3446	1.4027	0.0139	0.90564	1.4607
Nitrogen Dioxide	R4	8	16	29	77	10	258	0.0037	0.0155	0.204	0.1812	0.7449	1.2402	0.8621		0.163	0.1361	0.4952	1.1496	2.1039	1.0344	0.3497	1.4236	0.0144	0.91779	1.48031
Nitrogen Dioxide	R4	8	17	29	79	10	282	0.0037	0.0152	0.2024	0.1798	0.7366	1.2247	0.8524		0.1611	0.1345	0.4896	1.1366	2.0802	1.0228	0.3458	1.4076	0.014	0.90785	1.46427
Nitrogen Dioxide	R4	8	18	28	80	10	248	0.0038	0.0156	0.2052	0.1824	0.752	1.2531	0.8702		0.1646	0.1374	0.4998	1.1604	2.1237	1.0442	0.353	1.437	0.0146	0.92887	1.49818
Nitrogen Dioxide	R4	8	19	28	82	10	89	0.

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:

(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.

(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Dioxide	R4	11	3	21	74	10	0	0.0048	0.0201	0.2285	0.2039	0.8794	1.4928	1.0177		0.1937	0.1615	0.5848	1.357	2.4835	1.221	0.4128	1.6805	0.0204	0	0
Nitrogen Dioxide	R4	11	4	21	74	10	0	0.0048	0.0201	0.2285	0.2039	0.8794	1.4928	1.0177		0.1937	0.1615	0.5848	1.357	2.4835	1.221	0.4128	1.6805	0.0204	0	0
Nitrogen Dioxide	R4	11	5	21	74	10	0	0.0048	0.0201	0.2285	0.2039	0.8794	1.4928	1.0177		0.1937	0.1615	0.5848	1.357	2.4835	1.221	0.4128	1.6805	0.0204	0	0
Nitrogen Dioxide	R4	11	6	21	73	10	0	0.0048	0.0202	0.2289	0.2043	0.8819	1.4975	1.0206		0.1942	0.1619	0.5865	1.3609	2.4907	1.2246	0.414	1.6853	0.0205	0	0
Nitrogen Dioxide	R4	11	7	21	73	10	0	0.0048	0.0202	0.2289	0.2043	0.8819	1.4975	1.0206		0.1943	0.1619	0.5865	1.3609	2.4907	1.2246	0.414	1.6853	0.0205	0	0
Nitrogen Dioxide	R4	11	8	21	70	10	0	0.0049	0.0204	0.2303	0.2056	0.8895	1.5117	1.0294		0.196	0.1634	0.5916	1.3727	2.5122	1.2352	0.4176	1.6999	0.0208	0	0
Nitrogen Dioxide	R4	11	9	22	66	10	139	0.0049	0.0204	0.2302	0.2054	0.8885	1.5081	1.0283		0.1957	0.1631	0.5909	1.3712	2.5094	1.2338	0.4171	1.698	0.0206	1.10079	1.77546
Nitrogen Dioxide	R4	11	10	23	61	10	290	0.0049	0.0205	0.2307	0.2058	0.8912	1.5112	1.0313		0.1963	0.1636	0.5927	1.3752	2.5168	1.2374	0.4184	1.703	0.0205	1.10411	1.78083
Nitrogen Dioxide	R4	11	11	25	57	10	272	0.0048	0.0203	0.2288	0.2041	0.8806	1.4901	1.0191		0.1938	0.1615	0.5856	1.3589	2.4869	1.2227	0.4134	1.6828	0.02	1.08836	1.75543
Nitrogen Dioxide	R4	11	12	25	56	10	252	0.0048	0.0204	0.2294	0.2046	0.8839	1.4962	1.0229		0.1945	0.1622	0.5878	1.3639	2.4962	1.2273	0.4151	1.6891	0.0201	1.09427	1.76495
Nitrogen Dioxide	R4	11	13	25	56	10	244	0.0049	0.0204	0.2294	0.2046	0.8839	1.4962	1.0229		0.1945	0.1622	0.5878	1.3639	2.4962	1.2273	0.415	1.6891	0.0201	1.09273	1.76247
Nitrogen Dioxide	R4	11	14	26	56	10	218	0.0048	0.02	0.2273	0.2026	0.8721	1.4745	1.0092		0.1919	0.1599	0.5799	1.3458	2.4629	1.2109	0.4094	1.6665	0.0196	1.0775	1.7379
Nitrogen Dioxide	R4	11	15	26	57	10	264	0.0048	0.0199	0.2266	0.202	0.8686	1.468	1.0052		0.1911	0.1593	0.5776	1.3404	2.4531	1.2061	0.4078	1.6599	0.0195	1.07532	1.73439
Nitrogen Dioxide	R4	11	16	25	58	10	258	0.0048	0.0201	0.2282	0.2035	0.8773	1.4841	1.0153		0.1931	0.1609	0.5834	1.3538	2.4777	1.2182	0.4119	1.6765	0.0198	1.08435	1.74895
Nitrogen Dioxide	R4	11	17	24	63	10	282	0.0048	0.0199	0.2274	0.2029	0.8735	1.477	1.0109		0.1922	0.1602	0.5809	1.3479	2.4669	1.2129	0.4101	1.6692	0.0196	1.08032	1.74245
Nitrogen Dioxide	R4	11	18	23	66	10	248	0.0048	0.02	0.228	0.2034	0.8767	1.4845	1.0146		0.193	0.1609	0.583	1.3529	2.476	1.2174	0.4116	1.6754	0.0199	1.0866	1.75258
Nitrogen Dioxide	R4	11	19	23	70	10	89	0.0047	0.0195	0.2259	0.2015	0.8652	1.4632	1.0012		0.1903	0.1587	0.5753	1.3351	2.4434	1.2013	0.4062	1.6533	0.0194	1.06868	1.72368
Nitrogen Dioxide	R4	11	20	22	70	10	0	0.0048	0.02	0.2282	0.2036	0.8777	1.488	1.0157		0.1932	0.1611	0.5837	1.3544	2.4787	1.2187	0.4121	1.6773	0.0201	0	0
Nitrogen Dioxide	R4	11	21	22	72	10	0	0.0047	0.0198	0.2272	0.2027	0.8723	1.478	1.0094		0.192	0.1601	0.5801	1.3461	2.4634	1.2112	0.4095	1.6669	0.0199	0	0
Nitrogen Dioxide	R4	11	22	22	74	10	0	0.0047	0.0196	0.2262	0.2018	0.8668	1.4679	1.0032		0.1908	0.1591	0.5765	1.3377	2.4481	1.2037	0.407	1.6565	0.0197	0	0
Nitrogen Dioxide	R4	11	23	21	74	10	0	0.0047	0.0196	0.2262	0.2018	0.8668	1.4679	1.0032		0.1908	0.1591	0.5765	1.3377	2.4481	1.2037	0.407	1.6565	0.0197	0	0
Nitrogen Dioxide	R4	11	24	21	74	10	0	0.0048	0.0201	0.2285	0.2039	0.8794	1.4928	1.0177		0.1937	0.1615	0.5848	1.357	2.4835	1.221	0.4128	1.6805	0.0204	0	0
Nitrogen Dioxide	R4	12	1	16	68	10	0	0.0057	0.024	0.2406	0.2146	0.943	1.6209	1.0913		0.2085	0.1738	0.6274	1.4552	2.6633	1.3094	0.4427	1.8021	0.0241	0	0
Nitrogen Dioxide	R4	12	2	16	69	10	0	0.0057	0.0239	0.2403	0.2143	0.9412	1.6175	1.0892		0.2081	0.1734	0.6261	1.4524	2.6581	1.3069	0.4419	1.7986	0.024	0	0
Nitrogen Dioxide	R4	12	3	16	69	10	0	0.0057	0.0239	0.2403	0.2143	0.9412	1.6175	1.0892		0.2081	0.1734	0.6261	1.4524	2.6581	1.3069	0.4419	1.7986	0.024	0	0
Nitrogen Dioxide	R4	12	4	15	70	10	0	0.0058	0.0246	0.2416	0.2154	0.9476	1.6316	1.0967		0.2097	0.1747	0.6305	1.4623	2.6763	1.3158	0.4449	1.8109	0.0245	0	0
Nitrogen Dioxide	R4	12	5	15	70	10	0	0.0058	0.0246	0.2416	0.2154	0.9476	1.6316	1.0967		0.2097	0.1747	0.6305	1.4623	2.6763	1.3158	0.4449	1.8109	0.0245	0	0
Nitrogen Dioxide	R4	12	6	15	70	10	0	0.0058	0.0246	0.2416	0.2154	0.9476	1.6316	1.0967		0.2097	0.1747	0.6305	1.4623	2.6763	1.3158	0.4449	1.8109	0.0245	0	0
Nitrogen Dioxide	R4	12	7	15	70	10	0	0.0058	0.0246	0.2416	0.2154	0.9476	1.6316	1.0967		0.2097	0.1747	0.6305	1.4623	2.6763	1.3158	0.4449	1.8109	0.0245	0	0
Nitrogen Dioxide	R4	12	8	15	69	10	0	0.0059	0.0246	0.2419	0.2157	0.9493	1.6348	1.0986		0.2101	0.175	0.6316	1.465	2.6811	1.3182	0.4457	1.8142	0.0245	0	0
Nitrogen Dioxide	R4	12	9	16	65	10	139	0.0058	0.0242	0.2417	0.2155	0.9485	1.6312	1.0977		0.2098	0.1748	0.631	1.4637	2.6788	1.3171	0.4453	1.8126	0.0243	1.17833	1.90049
Nitrogen Dioxide	R4	12	10	17	62	10	290	0.0056	0.0237	0.2411	0.2151	0.9462	1.6248	1.0951		0.2092	0.1741	0.6295	1.4602	2.6723	1.3139	0.4442	1.8082	0.024	1.17538	1.89578
Nitrogen Dioxide	R4	12	11	18	58	10	272	0.0056	0.0234	0.241	0.2151	0.9463	1.6229	1.0951		0.2091	0.1742	0.6295	1.4603	2.6725	1.314	0.4443	1.8083	0.0238	1.17272	1.89148
Nitrogen Dioxide	R4	12	12	19	57	10	252	0.0054	0.0228	0.2398	0.2141	0.9403	1.6097	1.0882		0.2077	0.173	0.6255	1.451	2.6555	1.3056	0.4414	1.7969	0.0233	1.16684	1.882
Nitrogen Dioxide	R4	12	13	19	56	10	244	0.0055	0.0229	0.2402	0.2145	0.9425	1.6138	1.0907		0.2082	0.1734	0.627	1.4544	2.6618	1.3087	0.4425	1.8011	0.0234	1.16788	1.88368
Nitrogen Dioxide	R4	12	14	19	56	10	218	0.0055	0.0229	0.2402	0.2145	0.9425	1.6138	1.0907		0.2082	0.1734	0.627	1.4544	2.6618	1.3087	0.4425	1.8011	0.0234	1.16749	1.88304
Nitrogen Dioxide	R4	12	15	19	56	10	264	0.0055	0.0229	0.2402	0.2145	0.9425	1.6138	1.0907		0.2082	0.1734	0.627	1.4544	2.6618	1.3087	0.4425	1.8011	0.0234	1.16996	1.88703
Nitrogen Dioxide	R4	12	16	19	57	10	258	0.0054	0.0228	0.2398	0.2141	0.9403	1.6097	1.0882		0.2077	0.173	0.6255	1.451	2.6555	1.3056	0.4414	1.7969	0.0233	1.16501	1.87905
Nitrogen Dioxide	R4	12	17	18	60	10	282	0.0055	0.0232	0.2402	0.2144	0.9421	1.6151	1.0903		0.2082	0.1734	0.6267	1.4538	2.6607	1.3082	0.4423	1.8004	0.0236	1.16846	1.88462
Nitrogen Dioxide	R4	12	18	18	64	10	248	0.0054	0.0228	0.2387	0.213	0.9337	1.5995	1.0806		0.2063	0.1719	0.6211	1.4409	2.6371	1.2966	0.4384	1.7844	0.0233	1.16011	1.87114
Nitrogen Dioxide	R4	12	19	17	65	10	89	0.0056	0.0235	0.24	0.2141	0.9403	1.6138	1.0882		0.2079	0.1732	0.6256	1.4511	2.6557	1.3057	0.4413	1.797	0.0237	1.16497	1.87899
Nitrogen Dioxide	R4	12	20	17	66	10	0	0.0056	0.0234	0.2397	0.2138	0.9384	1.6102	1.086		0.2074	0.1728	0.6243	1.4481	2.6502	1.303	0.4406	1.7933	0.0237	0	0
Nitrogen Dioxide	R4	12	21	17	66	10	0	0.0056	0.0234	0.2397	0.2138	0.9384	1.6102	1.086		0.2074	0.1728	0.6243	1.4481	2.6502	1.303	0.4406	1.7933	0.0237	0	0
Nitrogen Dioxide	R4	12	22	16	66	10	0	0.0057	0.0241	0.2413	0.2152	0.9467	1.6277	1.0956		0.2094	0.1745	0.6298	1.4609	2.6736	1.3145	0.4444	1.8091	0.0242	0	0
Nitrogen Dioxide	R4	12	23	16	67	10	0	0.0057	0.0241	0.2413	0.2152	0.9467	1.6277	1.0956		0.2094	0.1745	0.6298	1.4609	2.6736	1.3145	0.4444	1.8091	0.0242	0	0
Nitrogen Dioxide	R4	12	24	16	67	10	0	0.0057	0.024	0.2411	0.2149	0.9448	1.6243	1.0934		0.209	0.1741	0.6286	1.4581	2.6684	1.312	0.4436	1.8056	0.0241	0	0
Nitrogen Dioxide	R5	1	1	17	76	10	0	0.0054	0.0225	0.236	0.2105	0.9188	1.5736	1.0633		0.2029	0.1691	0.6112	1.4179	2.5949	1.2758	0.4314	1.7559	0.0228	0	0
Nitrogen Dioxide	R5	1	2	17	77	10	0	0.0054	0.0225	0.2357	0.2102	0.9169	1.57	1.0611		0.2025	0.1688	0.6099	1.4149	2.5894	1.2731	0.4303	1.7521	0.0227	0	0
Nitrogen Dioxide	R5	1	3	17	77	10	0	0.0054	0.0225	0.2357	0.2102	0.9169	1.57	1.0611		0.2025	0.1688	0.6099	1.4149	2.5894	1.2731	0.4303	1.7521	0.0227	0	0
Nitrogen Dioxide	R5	1	4	17	77	10	0	0.0054	0.0225	0.2357	0.2102	0.9169	1.57	1.0611		0.2025	0.1688	0.6099	1.4149	2.5894	1.2731	0.4303	1.7521	0.0227	0	0
Nitrogen Dioxide	R5	1	5	17	78	10	0	0.0053	0.0224	0.2353	0.2099	0.9149	1.5663	1.0588		0.2021	0.1684	0.6086	1.4119	2.5839	1.2704	0.4295	1.7484	0.0226	0	0
Nitrogen Dioxide	R5	1	6	17	77	10	0	0.0054	0.0225	0.2357	0.2102	0.9169	1.57	1.0611		0.2025	0.1688	0.6099	1.4149	2.5894	1.2731	0.4303	1.7521	0.0227	0	0
Nitrogen Dioxide	R5	1	7	16	77	10	0	0.0055	0.0232	0.2376	0.2118	0.9265	1.5901	1.0723		0.2048	0.1707	0.6164	1.4298	2.6167	1.2866	0.435	1.7706	0.0233	0	0
Nitrogen Dioxide	R5	1	8	17	77	10	0	0.0054	0.0225	0.2357	0.2102	0.9169	1.57	1.0611		0.2025	0.1688	0.6099	1.4149	2.5894	1.2731	0.4303	1.7521	0.0227	0	0
Nitrogen Dioxide	R5	1	9	17	73	10	139	0.0054	0.0228	0.2371	0.2115	0.9247	1.5846	1.0701		0.2043	0.1702	0.6151	1.427	2.6115	1.284	0.4341	1.7671	0.0231	1.17483	1.85134
Nitrogen Dioxide	R5	1	10	19	69	10	290	0.0052	0.0217	0.2348	0.2096	0.9133	1.5598	1.0572		0.2016	0.168	0.6076	1.4097	2.5799	1.2684	0.4289	1.7457	0.0222	1.13346	1.82816
Nitrogen Dioxide	R5	1	11	20	64	10	272	0.0051	0.0214	0.235	0.2099	0.915	1.5608	1.0589		0.2019	0.1682	0.6086	1.412	2.5841	1.2705	0.4296	1.7486	0.0221	1.13271	1.82695
Nitrogen Dioxide	R5	1	12	21	62	10	252	0.0051	0.0212	0.2341	0.209	0.9099	1.5494	1.053		0.2006	0.1672	0.6052	1.4041	2.5696	1.2634	0.4272	1.7388	0.0217	1.12785	1.81912
Nitrogen Dioxide	R5	1	13	21	61	10	244	0.0051	0.0213	0.2345	0.2094	0.9124	1.5541	1.0559		0.2012	0.1677	0.6069	1.408	2.5768	1.2669	0.4284	1.7436	0.0218	1.1294	1.82162
Nitrogen Dioxide	R5	1	14	21	62	10	218	0.0051	0.0212	0.2341	0.209	0.9099	1.5494	1.053		0.2006	0.1672	0.6052	1.4041	2.5696	1.2634	0.4272	1.7388	0.0217	1.12587	1.81591
Nitrogen Dioxide	R5	1	15	21	62	10	264	0.0051	0.0212	0.2341	0.209	0.9099	1.5494	1.053		0.2006	0.1672	0.6052	1.4041	2.5696	1.2634	0.4272	1.7388	0.0217	1.12821	1.81967
Nitrogen Dioxide	R5	1	16	21	63	10	258	0.005	0.0211	0.2336	0.2086	0.9073	1.5446	1.05		0.2001	0.1667	0.6035	1.4002	2.5624	1.2599	0.426	1.7339	0.0216	1.12285	1.81105
Nitrogen Dioxide	R5	1	17	20	67	10	282	0.005	0.0211	0.2337	0.2087	0.9079	1.5475	1.0506		0.2002	0.1669	0.6038	1.401	2.564	1.2606	0.4262	1.7349	0.0218	1.12461	1.81388
Nitrogen Dioxide	R5	1	18	19	74	10	248	0.0051	0.0214	0.2356	0.2085	0.9068	1.5474	1.0494		0.2001	0.1667	0.6052	1.3993	2.561	1.2591	0.4257	1.7329	0.0219	1.12571	1.81566
Nitrogen Dioxide	R5	1	19	18	74	10	89	0.0052	0.0219	0.2348	0.2095	0.9128	1.5605	1.0564		0.2015	0.1679	0.6072	1.4087	2.578	1.2675	0.4286	1.7444	0.0223	1.13003	1.82263
Nitrogen Dioxide	R5	1	20	18	74	10	0	0.0052	0.0219	0.2348	0.2095	0.9128	1.5605	1.0564		0.2015	0.1679	0.6072	1.4087	2.578	1.2675	0.4286	1.7444	0.0223	0	0
Nitrogen Dioxide	R5	1	21	18	75	10	0	0.0052	0.0219	0.2344	0.2092	0.9108	1.5566	1.054		0.201	0.1675	0.6058	1.4055	2.5721	1.2646	0.4276	1.7405	0.0223	0	0
Nitrogen Dioxide	R5	1	22	18	76	10	0	0.0052	0.0218	0.234	0.2088	0.9087	1.5527	1.0516		0.2006	0.1672	0.6044	1.4022	2.5662	1.2617	0.4266	1.7365	0.0222	0	0
Nitrogen Dioxide	R5	1	23	18	75	10	0	0.0052	0.0219	0.2344	0.2092	0.9108	1.5566	1.054		0.201	0.1675	0.6058	1.4055	2.5721	1.2646	0.4276	1.7405	0.0223	0	0
Nitrogen Dioxide	R5	1	24	17	76	10	0	0.0054	0.0225	0.236	0.2105	0.9188	1.5736	1.0633		0.2029	0.1691	0.6112	1.4179	2.5949	1.2758	0.4314	1.7559	0.0228	0	0
Nitrogen Dioxide	R5	2	1	17	78	10	0	0.0053	0.0224	0.2353	0.2099	0.9149	1.5663	1.0588		0.2021	0.1684	0.6086	1.4119	2.5839	1.2704	0.4295	1.7484	0.0226	0	0
Nitrogen Dioxide	R5	2	2	17	80	10	0	0.0053	0.0222	0.2346	0.2092	0.911	1.559	1.0543		0.2012	0.1677	0.6061	1.4058	2.5728	1.265	0.4277	1.7409	0.0225	0	0
Nitrogen Dioxide	R5	2	3	17	81	10	0	0.0053	0.0221	0.2342	0.2089	0.909	1.5554	1.052		0.2007	0.1673	0.6047	1.4028	2.5673	1.2623	0.4268	1.7372	0.0224	0	0
Nitrogen Dioxide	R5	2	4	17	82	10	0	0.0053	0.022	0.2339	0.2085	0.9071	1.5517	1.0498		0.2003	0.1669	0.6034	1.3998	2.5618	1.2596	0.4259	1.7335	0.0223	0	0
Nitrogen Dioxide	R5	2	5	16	83	10	0	0.0054	0.0228	0.2355	0.21	0.9156	1.5695	1.0596		0.2023	0.1686	0.6091	1.4129	2.5857	1.2713	0.4298	1.7497	0.0228	0	0
Nitrogen Dioxide	R5	2	6	16	83	10	0	0.0054	0.0228	0.2355	0.21	0.9156	1.5695	1.0596		0.2023	0.1686	0.6091	1.4129	2.5857	1.2713	0.4298	1.7497	0.0228	0	0
Nitrogen Dioxide	R5	2	7	16	83	10	0	0.0054	0.0228	0.2355	0.21	0.9156	1.5695	1.0596		0.2023	0.1686	0.6091	1.4129	2.5857	1.2713	0.4298	1.7497	0.0228	0	0
Nitrogen Dioxide	R5	2	8	17	81	10	0	0.0053	0.0221	0.2342	0.2089	0.909	1.5554	1.052		0.2007	0.1673	0.6047	1.4028	2.5673	1.2623	0.4268	1.7372	0.0224	0	0
Nitrogen Dioxide	R5	2	9	18	77	10	139	0.0052	0.0217	0.2337	0.2085	0.9066	1.5489	1.0492		0.2001	0.1668	0.603	1.399	2.5603	1.2588	0.4256	1.7325	0.0223	1.12469	1.81402
Nitrogen Dioxide	R5	2	10	19	73	10	290	0.0051	0.0213	0.2332	0.2081	0.9046	1.5432	1.0468		0.1996	0.1663	0.6017	1.3959	2.5547	1.256	0.4247	1.7286	0.0218	1.12212	1.80886
Nitrogen Dioxide	R5	2	11	20	70	10	272	0.005	0.0209	0.2324	0.2075	0.9007	1.5342	1.0424		0.1986	0.1655	0.5991	1.39	2.5438	1.2507	0.4229	1.7213	0.0215	1.11472	1.79794
Nitrogen Dioxide	R5	2	12	20	68	10	252	0.005	0.021	0.2333	0.2083	0.9055	1.5431	1.0479		0.1997	0.1664	0.6023	1.3973	2.5572	1.2573	0.4251	1.7304	0.0217	1.11257	1.8106
Nitrogen Dioxide	R5	2	13	21	67	10	244	0.005	0.0209	0.2327	0.2077	0.9022	1.5352	1.0441		0.1989	0.1658	0.6001	1.3923	2.5481	1.2528	0.4236	1.7242	0.0213	1.11656	1.8009
Nitrogen Dioxide	R5	2	14	21	65	10	218	0.005	0.0209	0.2327	0.2077	0.9022	1.5352	1.0441		0.1989	0.1658	0.6001	1.3923	2.5481	1.2528	0.4236	1.7242	0.0213	1.11619	1.8003
Nitrogen Dioxide	R5	2	15	21	66	10	264	0.005	0.0208	0.2322	0.2073	0.8997	1.5305	1.0412		0.1983	0.1653	0.5984	1.3884	2.5409	1.2493	0.4224	1.7193	0.0212	1.11534	1.79893
Nitrogen Dioxide	R5	2	16	20	68	10	258	0.005	0.021	0.2333	0.2083	0.9055	1.5431	1.0479		0.1997	0.1664	0.6023	1.3973	2.5572	1.2573	0.4251	1.7304	0.0217	1.12084	1.8078
Nitrogen Dioxide	R5	2	17	20	70	10	282	0.005	0.0209	0.2324	0.2075	0.9007	1.5342	1.0424		0.1986	0.1655	0.5991	1.39	2.5438	1.2507	0.4229	1.7213	0.0215	1.11565	1.79943
Nitrogen Dioxide	R5	2	18	19	74	10	248	0.0051	0.0212	0.2328	0.2077	0.9023	1.5391	1.0442		0.1991	0.1659	0.6002	1.3925	2.5484	1.2529	0.4236	1.7244	0.0217	1.12003	1.8065
Nitrogen Dioxide	R5	2	19	18	78	10	89	0.0052	0.0218	0.234	0.2088	0.9087	1.5527	1.0516		0.2006	0.1672	0.6044	1.4022	2.5662	1.2617	0.4266	1.7365	0.0222	1.12479	1.81418
Nitrogen Dioxide	R5	2	20	18	78	10	0	0.0052	0.0216	0.2333	0.2081	0.9045	1.545	1.0467		0.1996	0.1664	0.6016	1.3958	2.5544	1.2559	0.4246	1.7285	0.022	0	0
Nitrogen Dioxide	R5	2	21	18	78	10	0	0.0052	0.0216	0.2333	0.2081	0.9045	1.545	1.0467		0.1996	0.1664	0.6016	1.3958	2.5544	1.2559	0.4246	1.7285	0.022	0	0
Nitrogen Dioxide	R5	2	22	18	78	10	0	0.0052	0.0216	0.2333	0.2081	0.9045	1.545	1.0467		0.1996	0.1664	0.6016	1.3958	2.5544	1.2559	0.4246	1.7285	0.022	0	0
Nitrogen Dioxide	R5	2	23	18	78	10	0	0.0052	0.0216	0.2333	0.2081	0.9045	1.545	1.0467		0.1996	0.1664	0.6016	1.3958	2.5544	1.2559	0.4246	1.7285	0.022	0	0
Nitrogen Dioxide	R5	2	24	18

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:

(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.

(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Dioxide	R5	5	8	27	85	10	0	0.0037	0.0154	0.2052	0.1824	0.7521	1.2533	0.8705		0.1646	0.1374	0.4999	1.1606	2.124	1.0443	0.3531	1.4372	0.0146	0	0
Nitrogen Dioxide	R5	5	9	28	80	10	139	0.0038	0.0156	0.2052	0.1824	0.752	1.2531	0.8702		0.1646	0.1374	0.4998	1.1604	2.1237	1.0442	0.353	1.437	0.0146	0.92605	1.49685
Nitrogen Dioxide	R5	5	10	28	78	10	290	0.0038	0.0159	0.2067	0.1832	0.7599	1.2676	0.8794		0.1664	0.1389	0.5051	1.1726	2.146	1.0551	0.3567	1.4521	0.015	0.93583	1.51339
Nitrogen Dioxide	R5	5	11	29	77	10	272	0.0037	0.0155	0.204	0.1812	0.7449	1.2402	0.8621		0.1631	0.1361	0.4952	1.1496	2.1039	1.0344	0.3497	1.4236	0.0144	0.9177	1.48017
Nitrogen Dioxide	R5	5	12	29	75	10	252	0.0038	0.0159	0.2055	0.1826	0.7533	1.2556	0.8718		0.1649	0.1377	0.5007	1.1625	2.1275	1.046	0.3537	1.4396	0.0147	0.92967	1.49948
Nitrogen Dioxide	R5	5	13	29	74	10	244	0.0039	0.016	0.2063	0.1833	0.7575	1.2633	0.8766		0.1658	0.1385	0.5035	1.169	2.1393	1.0518	0.3556	1.4476	0.0149	0.93365	1.50589
Nitrogen Dioxide	R5	5	14	29	75	10	218	0.0038	0.0159	0.2055	0.1826	0.7533	1.2556	0.8718		0.1649	0.1377	0.5007	1.1625	2.1275	1.046	0.3537	1.4396	0.0147	0.92814	1.497
Nitrogen Dioxide	R5	5	15	29	75	10	264	0.0038	0.0159	0.2055	0.1826	0.7533	1.2556	0.8718		0.1649	0.1377	0.5007	1.1625	2.1275	1.046	0.3537	1.4396	0.0147	0.92995	1.49992
Nitrogen Dioxide	R5	5	16	29	77	10	258	0.0037	0.0155	0.204	0.1812	0.7449	1.2402	0.8621		0.1631	0.1361	0.4952	1.1496	2.1039	1.0344	0.3497	1.4236	0.0144	0.91779	1.48031
Nitrogen Dioxide	R5	5	17	28	78	10	282	0.0038	0.0159	0.2067	0.1832	0.7599	1.2676	0.8794		0.1664	0.1389	0.5051	1.1726	2.146	1.0551	0.3567	1.4521	0.015	0.93722	1.51164
Nitrogen Dioxide	R5	5	18	28	81	10	248	0.0037	0.0154	0.2045	0.1818	0.748	1.2458	0.8657		0.1637	0.1367	0.4972	1.1543	2.1126	1.0387	0.3512	1.4295	0.0145	0.92394	1.49023
Nitrogen Dioxide	R5	5	19	27	84	10	89	0.0037	0.0156	0.2059	0.1831	0.7558	1.2601	0.8746		0.1654	0.1381	0.5024	1.1663	2.1345	1.0494	0.3548	1.4443	0.0148	0.93091	1.50147
Nitrogen Dioxide	R5	5	20	27	87	10	0	0.0036	0.0151	0.2038	0.1812	0.7446	1.2396	0.8618		0.1629	0.136	0.495	1.1491	2.103	1.034	0.3496	1.423	0.0143	0	0
Nitrogen Dioxide	R5	5	21	27	88	10	0	0.0036	0.015	0.2031	0.1806	0.7409	1.2328	0.8575		0.162	0.1354	0.4925	1.1434	2.0925	1.0288	0.3479	1.4159	0.0142	0	0
Nitrogen Dioxide	R5	5	22	26	89	10	0	0.0037	0.0155	0.206	0.1833	0.7569	1.2623	0.876		0.1657	0.1384	0.5032	1.1681	2.1377	1.0511	0.3554	1.4465	0.0148	0	0
Nitrogen Dioxide	R5	5	23	26	89	10	0	0.0037	0.0155	0.206	0.1833	0.7569	1.2623	0.876		0.1657	0.1384	0.5032	1.1681	2.1377	1.0511	0.3554	1.4465	0.0148	0	0
Nitrogen Dioxide	R5	5	24	26	90	10	0	0.0037	0.0154	0.2054	0.1827	0.7535	1.2558	0.8719		0.1649	0.1377	0.5008	1.1627	2.1279	1.0462	0.3537	1.4398	0.0147	0	0
Nitrogen Dioxide	R5	6	1	28	88	10	0	0.0035	0.0144	0.1994	0.1771	0.7204	1.195	0.8337		0.1574	0.1315	0.4788	1.1117	2.0346	1.0004	0.3382	1.3767	0.0133	0	0
Nitrogen Dioxide	R5	6	2	27	89	10	0	0.0036	0.0148	0.2024	0.1799	0.7372	1.2259	0.8532		0.1612	0.1347	0.49	1.1377	2.0821	1.0237	0.3461	1.4088	0.014	0	0
Nitrogen Dioxide	R5	6	3	27	89	10	0	0.0036	0.0148	0.2024	0.1799	0.7372	1.2259	0.8532		0.1612	0.1347	0.49	1.1377	2.0821	1.0237	0.3461	1.4088	0.014	0	0
Nitrogen Dioxide	R5	6	4	27	88	10	0	0.0036	0.015	0.2031	0.1806	0.7409	1.2328	0.8575		0.162	0.1354	0.4925	1.1434	2.0925	1.0288	0.3479	1.4159	0.0142	0	0
Nitrogen Dioxide	R5	6	5	27	89	10	0	0.0036	0.0148	0.2024	0.1799	0.7372	1.2259	0.8532		0.1612	0.1347	0.49	1.1377	2.0821	1.0237	0.3461	1.4088	0.014	0	0
Nitrogen Dioxide	R5	6	6	27	90	10	0	0.0035	0.0147	0.2018	0.1793	0.7335	1.2191	0.8489		0.1604	0.134	0.4875	1.1319	2.0716	1.0185	0.3444	1.4017	0.0139	0	0
Nitrogen Dioxide	R5	6	7	28	87	10	0	0.0035	0.0145	0.2001	0.1778	0.7244	1.2022	0.8383		0.1583	0.1322	0.4814	1.1178	2.0457	1.0058	0.3401	1.3843	0.0135	0	0
Nitrogen Dioxide	R5	6	8	29	82	10	0	0.0035	0.0147	0.2001	0.1777	0.724	1.2016	0.8379		0.1582	0.1322	0.4812	1.1173	2.0447	1.0053	0.3399	1.3836	0.0135	0	0
Nitrogen Dioxide	R5	6	9	29	79	10	139	0.0037	0.0152	0.2024	0.1798	0.7366	1.2247	0.8524		0.1611	0.1345	0.4896	1.1366	2.0802	1.0228	0.3458	1.4076	0.014	0.90865	1.46556
Nitrogen Dioxide	R5	6	10	30	76	10	290	0.0036	0.0151	0.2012	0.1787	0.7296	1.2118	0.8443		0.1595	0.1332	0.4849	1.1259	2.0605	1.0131	0.3425	1.3942	0.0137	0.90006	1.45171
Nitrogen Dioxide	R5	6	11	30	75	10	272	0.0037	0.0153	0.202	0.1794	0.734	1.22	0.8495		0.1605	0.1341	0.4879	1.1327	2.073	1.0192	0.3446	1.4027	0.0139	0.90399	1.45804
Nitrogen Dioxide	R5	6	12	30	74	10	252	0.0037	0.0155	0.2029	0.1801	0.7385	1.2282	0.8546		0.1615	0.1349	0.4908	1.1396	2.0856	1.0254	0.3467	1.4112	0.0141	0.91094	1.46925
Nitrogen Dioxide	R5	6	13	31	73	10	244	0.0036	0.0151	0.2001	0.1776	0.7204	1.2001	0.837		0.158	0.1321	0.4807	1.1161	2.0425	1.0042	0.3395	1.3821	0.0135	0.89037	1.43641
Nitrogen Dioxide	R5	6	14	31	72	10	218	0.0037	0.0153	0.201	0.1784	0.7279	1.2088	0.8424		0.1591	0.1331	0.4838	1.1233	2.0558	1.0108	0.3418	1.3911	0.0137	0.89618	1.44546
Nitrogen Dioxide	R5	6	15	30	74	10	264	0.0037	0.0155	0.2029	0.1801	0.7385	1.2282	0.8546		0.1615	0.1349	0.4908	1.1396	2.0856	1.0254	0.3467	1.4112	0.0141	0.91121	1.46969
Nitrogen Dioxide	R5	6	16	30	74	10	258	0.0037	0.0155	0.2029	0.1801	0.7385	1.2282	0.8546		0.1615	0.1349	0.4908	1.1396	2.0856	1.0254	0.3467	1.4112	0.0141	0.90963	1.46714
Nitrogen Dioxide	R5	6	17	30	75	10	282	0.0037	0.0153	0.202	0.1794	0.734	1.22	0.8495		0.1605	0.1341	0.4879	1.1327	2.073	1.0192	0.3446	1.4027	0.0139	0.90468	1.45916
Nitrogen Dioxide	R5	6	18	29	79	10	248	0.0037	0.0152	0.2024	0.1798	0.7366	1.2247	0.8524		0.1611	0.1345	0.4896	1.1366	2.0802	1.0228	0.3458	1.4076	0.014	0.90945	1.46685
Nitrogen Dioxide	R5	6	19	29	81	10	89	0.0036	0.0148	0.2009	0.1784	0.7282	1.2093	0.8427		0.1592	0.1331	0.484	1.1237	2.0565	1.0111	0.3419	1.3916	0.0137	0.89625	1.44556
Nitrogen Dioxide	R5	6	20	28	83	10	0	0.0036	0.0151	0.203	0.1804	0.7401	1.2313	0.8565		0.1619	0.1352	0.4919	1.1422	2.0903	1.0277	0.3475	1.4144	0.0141	0	0
Nitrogen Dioxide	R5	6	21	28	85	10	0	0.0036	0.0148	0.2016	0.1791	0.7323	1.2168	0.8474		0.1601	0.1337	0.4867	1.13	2.068	1.0168	0.3438	1.3993	0.0138	0	0
Nitrogen Dioxide	R5	6	22	28	86	10	0	0.0035	0.0147	0.2009	0.1784	0.7283	1.2095	0.8429		0.1592	0.133	0.4841	1.1239	2.0569	1.0113	0.3419	1.3918	0.0137	0	0
Nitrogen Dioxide	R5	6	23	28	87	10	0	0.0035	0.0145	0.2001	0.1778	0.7244	1.2022	0.8383		0.1583	0.1322	0.4814	1.1178	2.0457	1.0058	0.3401	1.3843	0.0135	0	0
Nitrogen Dioxide	R5	6	24	28	87	10	0	0.0035	0.0145	0.2001	0.1778	0.7244	1.2022	0.8383		0.1583	0.1322	0.4814	1.1178	2.0457	1.0058	0.3401	1.3843	0.0135	0	0
Nitrogen Dioxide	R5	7	1	28	84	10	0	0.0036	0.015	0.2023	0.1798	0.7362	1.224	0.852		0.161	0.1345	0.4893	1.1361	2.0792	1.0223	0.3456	1.4069	0.014	0	0
Nitrogen Dioxide	R5	7	2	28	84	10	0	0.0036	0.015	0.2023	0.1798	0.7362	1.224	0.852		0.161	0.1345	0.4893	1.1361	2.0792	1.0223	0.3456	1.4069	0.014	0	0
Nitrogen Dioxide	R5	7	3	28	86	10	0	0.0035	0.0147	0.2009	0.1784	0.7283	1.2095	0.8429		0.1592	0.133	0.4841	1.1239	2.0569	1.0113	0.3419	1.3918	0.0137	0	0
Nitrogen Dioxide	R5	7	4	28	86	10	0	0.0035	0.0147	0.2009	0.1784	0.7283	1.2095	0.8429		0.1592	0.133	0.4841	1.1239	2.0569	1.0113	0.3419	1.3918	0.0137	0	0
Nitrogen Dioxide	R5	7	5	28	88	10	0	0.0035	0.0144	0.1994	0.1771	0.7204	1.195	0.8337		0.1574	0.1315	0.4788	1.1117	2.0346	1.0004	0.3382	1.3767	0.0133	0	0
Nitrogen Dioxide	R5	7	6	27	88	10	0	0.0036	0.015	0.2031	0.1806	0.7409	1.2328	0.8575		0.162	0.1354	0.4925	1.1434	2.0925	1.0288	0.3479	1.4159	0.0142	0	0
Nitrogen Dioxide	R5	7	7	28	86	10	0	0.0035	0.0147	0.2009	0.1784	0.7283	1.2095	0.8429		0.1592	0.133	0.4841	1.1239	2.0569	1.0113	0.3419	1.3918	0.0137	0	0
Nitrogen Dioxide	R5	7	8	29	81	10	0	0.0036	0.0148	0.2009	0.1784	0.7282	1.2093	0.8427		0.1592	0.1331	0.484	1.1237	2.0565	1.0111	0.3419	1.3916	0.0137	0	0
Nitrogen Dioxide	R5	7	9	30	76	10	139	0.0036	0.0151	0.2012	0.1787	0.7296	1.2118	0.8443		0.1595	0.1332	0.4849	1.1259	2.0605	1.0131	0.3425	1.3942	0.0137	0.89982	1.45133
Nitrogen Dioxide	R5	7	10	31	70	10	290	0.0038	0.0157	0.2027	0.18	0.7374	1.2262	0.8533		0.1612	0.1347	0.4901	1.1379	2.0825	1.0239	0.3462	1.4091	0.0141	0.90988	1.46755
Nitrogen Dioxide	R5	7	11	31	68	10	272	0.0039	0.0161	0.2045	0.1815	0.7468	1.2436	0.8643		0.1634	0.1365	0.4964	1.1524	2.1091	1.037	0.3506	1.4271	0.0144	0.92008	1.484
Nitrogen Dioxide	R5	7	12	32	67	10	252	0.0038	0.0158	0.2019	0.1792	0.7326	1.2174	0.8478		0.1602	0.1339	0.4869	1.1305	2.0689	1.0172	0.3439	1.3999	0.0139	0.90353	1.45731
Nitrogen Dioxide	R5	7	13	32	66	10	244	0.0038	0.016	0.2028	0.18	0.7376	1.2266	0.8536		0.1613	0.1348	0.4902	1.1382	2.083	1.0242	0.3463	1.4095	0.0141	0.90863	1.46554
Nitrogen Dioxide	R5	7	14	32	66	10	218	0.0038	0.016	0.2028	0.18	0.7376	1.2266	0.8536		0.1613	0.1348	0.4902	1.1382	2.083	1.0242	0.3463	1.4095	0.0141	0.90835	1.46508
Nitrogen Dioxide	R5	7	15	31	68	10	264	0.0039	0.0161	0.2045	0.1815	0.7468	1.2436	0.8643		0.1634	0.1365	0.4964	1.1524	2.1091	1.037	0.3506	1.4271	0.0144	0.92177	1.48673
Nitrogen Dioxide	R5	7	16	31	69	10	258	0.0038	0.0159	0.2036	0.1808	0.7421	1.2349	0.8588		0.1623	0.1356	0.4932	1.1452	2.0958	1.0304	0.3484	1.4181	0.0142	0.91419	1.47451
Nitrogen Dioxide	R5	7	17	31	70	10	282	0.0038	0.0157	0.2027	0.18	0.7374	1.2262	0.8533		0.1612	0.1347	0.4901	1.1379	2.0825	1.0239	0.3462	1.4091	0.0141	0.90884	1.46587
Nitrogen Dioxide	R5	7	18	30	73	10	248	0.0038	0.0157	0.2037	0.1809	0.7429	1.2364	0.8598		0.1625	0.1357	0.4938	1.1464	2.0981	1.0316	0.3488	1.4197	0.0143	0.9175	1.47985
Nitrogen Dioxide	R5	7	19	29	76	10	89	0.0038	0.0157	0.2048	0.1819	0.7491	1.2479	0.8669		0.1639	0.1369	0.4979	1.156	2.1157	1.0402	0.3517	1.4316	0.0145	0.92255	1.48799
Nitrogen Dioxide	R5	7	20	29	79	10	0	0.0037	0.0152	0.2024	0.1798	0.7366	1.2247	0.8524		0.1611	0.1345	0.4896	1.1366	2.0802	1.0228	0.3458	1.4076	0.014	0	0
Nitrogen Dioxide	R5	7	21	29	81	10	0	0.0036	0.0148	0.2009	0.1784	0.7282	1.2093	0.8427		0.1592	0.133	0.484	1.1237	2.0565	1.0111	0.3419	1.3916	0.0137	0	0
Nitrogen Dioxide	R5	7	22	29	82	10	0	0.0035	0.0147	0.2001	0.1777	0.724	1.2016	0.8379		0.1582	0.1322	0.4812	1.1173	2.0447	1.0053	0.3399	1.3836	0.0135	0	0
Nitrogen Dioxide	R5	7	23	28	83	10	0	0.0036	0.0151	0.203	0.1804	0.7401	1.2313	0.8565		0.1619	0.1352	0.4919	1.1422	2.0903	1.0277	0.3475	1.4144	0.0141	0	0
Nitrogen Dioxide	R5	7	24	28	84	10	0	0.0036	0.015	0.2023	0.1798	0.7362	1.224	0.852		0.161	0.1345	0.4893	1.1361	2.0792	1.0223	0.3456	1.4069	0.014	0	0
Nitrogen Dioxide	R5	8	1	27	90	10	0	0.0035	0.0147	0.2018	0.1793	0.7335	1.2191	0.8489		0.1604	0.134	0.4875	1.1319	2.0716	1.0185	0.3444	1.4017	0.0139	0	0
Nitrogen Dioxide	R5	8	2	26	90	10	0	0.0037	0.0154	0.2054	0.1827	0.7535	1.2558	0.8719		0.1649	0.1377	0.5008	1.1627	2.1279	1.0462	0.3537	1.4398	0.0147	0	0
Nitrogen Dioxide	R5	8	3	26	91	10	0	0.0037	0.0152	0.2047	0.1821	0.75	1.2494	0.8679		0.1641	0.137	0.4985	1.1573	2.118	1.0414	0.3521	1.4332	0.0145	0	0
Nitrogen Dioxide	R5	8	4	26	92	10	0	0.0036	0.0151	0.2041	0.1815	0.7465	1.243	0.8639		0.1633	0.1364	0.4962	1.1519	2.1082	1.0365	0.3505	1.4265	0.0144	0	0
Nitrogen Dioxide	R5	8	5	26	93	10	0	0.0036	0.0149	0.2035	0.1809	0.743	1.2365	0.8598		0.1625	0.1357	0.4938	1.1466	2.0983	1.0317	0.3488	1.4198	0.0143	0	0
Nitrogen Dioxide	R5	8	6	26	94	10	0	0.0036	0.0148	0.2028	0.1803	0.7395	1.2301	0.8558		0.1617	0.1351	0.4915	1.1412	2.0885	1.0268	0.3472	1.4132	0.0141	0	0
Nitrogen Dioxide	R5	8	7	26	94	10	0	0.0036	0.0149	0.2035	0.1809	0.7431	1.2365	0.8598		0.1625	0.1357	0.4938	1.1466	2.0983	1.0317	0.3488	1.4198	0.0143	0	0
Nitrogen Dioxide	R5	8	8	27	87	10	0	0.0036	0.0151	0.2038	0.1812	0.7446	1.2396	0.8618		0.1629	0.136	0.495	1.1491	2.103	1.034	0.3496	1.423	0.0143	0	0
Nitrogen Dioxide	R5	8	9	29	81	10	139	0.0036	0.0148	0.2009	0.1784	0.7282	1.2093	0.8427		0.1592	0.133	0.484	1.1237	2.0565	1.0111	0.3419	1.3916	0.0137	0.89809	1.44853
Nitrogen Dioxide	R5	8	10	30	76	10	290	0.0036	0.0151	0.2012	0.1787	0.7296	1.2118	0.8443		0.1595	0.1332	0.4849	1.1259	2.0605	1.0131	0.3425	1.3942	0.0137	0.90006	1.45171
Nitrogen Dioxide	R5	8	11	30	73	10	272	0.0038	0.0157	0.2037	0.1809	0.7429	1.2364	0.8598		0.1625	0.1357	0.4938	1.1464	2.0981	1.0316	0.3488	1.4197	0.0143	0.91518	1.4761
Nitrogen Dioxide	R5	8	12	30	73	10	252	0.0038	0.0157	0.2037	0.1809	0.7429	1.2364	0.8598		0.1625	0.1357	0.4938	1.1464	2.0981	1.0316	0.3488	1.4197	0.0143	0.91659	1.47837
Nitrogen Dioxide	R5	8	13	30	74	10	244	0.0037	0.0155	0.2029	0.1801	0.7385	1.2282	0.8546		0.1615	0.1349	0.4908	1.1396	2.0856	1.0254	0.3467	1.4112	0.0141	0.90972	1.46729
Nitrogen Dioxide	R5	8	14	30	74	10	218	0.0037	0.0155	0.2029	0.1801	0.7385	1.2282	0.8546		0.1615	0.1349	0.4908	1.1396	2.0856	1.0254	0.3467	1.4112	0.0141	0.90944	1.46684
Nitrogen Dioxide	R5	8	15	30	75	10	264	0.0037	0.0153	0.202	0.1794	0.734	1.22	0.8495		0.1605	0.1341	0.4879	1.1327	2.073	1.0192	0.3446	1.4027	0.0139	0.90564	1.4607
Nitrogen Dioxide	R5	8	16	29	77	10	258	0.0037	0.0155	0.204	0.1812	0.7449	1.2402	0.8621		0.1631	0.1361	0.4952	1.1496	2.1039	1.0344	0.3497	1.4236	0.0144	0.91779	1.48031
Nitrogen Dioxide	R5	8	17	29	79	10	282	0.0037	0.0152	0.2024	0.1798	0.7366	1.2247	0.8524		0.1611	0.1345	0.4896	1.1366	2.0802	1.0228	0.3458	1.4076	0.014	0.90785	1.46427
Nitrogen Dioxide	R5	8	18	28	81	10	248	0.0038	0.0156	0.2052	0.1824	0.7521	1.2533	0.8702		0.1646	0.1374	0.4998	1.1604	2.1237	1.0442	0.3531	1.4372	0.0146	0.92293	1.48918
Nitrogen Dioxide	R5	8	19	28	82	10	89	0.0037	0.0153	0.2038	0.1811	0.7441	1.2386	0.8611		0.1628	0.1359	0.4946	1.1483	2.1014	1.0332	0.3493	1.4219	0.0143	0.91624	1.47781
Nitrogen Dioxide	R5	8	20	28	84	10	0	0.0036	0.015	0.2023	0.1798	0.7362	1.224	0.852		0.161	0.1345	0.4893	1.1361	2.0792	1.0223	0.3456	1.4069	0.014	0	0
Nitrogen Dioxide	R5	8	21	27	85	10	0	0.0037	0.0154	0.2052	0.1824	0.7521	1.2533	0.8703		0.1646	0.1374	0.4999	1.1606	2.124	1.0443	0.3531	1.4372	0.0146	0	0
Nitrogen Dioxide	R5	8	22	27	87	10	0	0.0036	0.0151	0.2038	0.1812	0.7446	1.2396	0.8618		0.1629	0.136	0.495	1.1491	2.103	1.034	0.3496	1.423	0.0143	0	0
Nitrogen Dioxide	R5	8	23	27	88	10	0	0.0036	0.015	0.2031	0.1806	0.7409	1.2328	0.8575		0.162	0.1354	0.4925	1.1434	2.0925	1.0288	0.3479	1.4159	0.0142	0	0
Nitrogen Dioxide	R5	8	24	27	89	10	0	0.0036	0.0148	0.2024	0.1799	0.7372	1.2259	0.8532		0.1612	0.1347	0.49	1.1377	2.0821	1.0237	0.3461	1.4088	0.014	0	0
Nitrogen Dioxide	R5	9	1	27	89	10	0	0.0036	0.0148	0.2024	0.1799	0.7372	1.2259	0.8532		0.1612	0.1347	0.49	1.1377	2.0821	1.0237	0.3461	1.4088	0.014	0	0
Nitrogen Dioxide	R5	9	2	26	89	10	0	0.0037	0.0155	0.206	0.1833	0.7569	1.2623	0.876		0.1657	0.1384	0.5032	1.1681	2.1377	1.0511	0.3554	1.4465	0.0148	0	0
Nitrogen Dioxide	R5	9	3	26	91	10	0	0.0037	0.0152	0.2047	0.1821	0.75	1.2494	0.8679		0.1641	0.137	0.4985	1.1573	2.118	1.0414	0.3521	1.4332	0.0145	0	0
Nitrogen Dioxide	R5	9	4	26	92	10	0	0.0036	0.0151	0.2041	0.1815	0.7465	1.243	0.8639		0.1633	0.1364	0.4962	1.1519	2.1082	1.0365	0.3505	1.4265	0.0144	0	0
Nitrogen Dioxide	R5	9	5	26	92	10

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:

(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.

(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Dioxide	R5	11	13	25	56	10	244	0.0049	0.0204	0.2294	0.2046	0.8839	1.4962	1.0229		0.1945	0.1622	0.5878	1.3639	2.4962	1.2273	0.415	1.6891	0.0201	1.09273	1.76247
Nitrogen Dioxide	R5	11	14	26	56	10	218	0.0048	0.02	0.2273	0.2026	0.8721	1.4745	1.0092		0.1919	0.1599	0.5799	1.3458	2.4629	1.2109	0.4094	1.6665	0.0196	1.0775	1.7379
Nitrogen Dioxide	R5	11	15	26	57	10	264	0.0048	0.0199	0.2266	0.202	0.8686	1.468	1.0052		0.1911	0.1593	0.5776	1.3404	2.4531	1.2061	0.4078	1.6599	0.0195	1.07532	1.73439
Nitrogen Dioxide	R5	11	16	25	58	10	258	0.0048	0.0201	0.2282	0.2035	0.8773	1.4841	1.0153		0.1931	0.1609	0.5834	1.3539	2.4777	1.2182	0.4119	1.6765	0.0198	1.08435	1.74895
Nitrogen Dioxide	R5	11	17	24	63	10	282	0.0048	0.0199	0.2274	0.2029	0.8735	1.477	1.0109		0.1922	0.1602	0.5809	1.3479	2.4669	1.2129	0.4101	1.6692	0.0196	1.08032	1.74245
Nitrogen Dioxide	R5	11	18	23	66	10	248	0.0048	0.02	0.228	0.2034	0.8767	1.4845	1.0146		0.193	0.1609	0.583	1.3529	2.476	1.2174	0.4116	1.6754	0.0199	1.0866	1.75258
Nitrogen Dioxide	R5	11	19	23	70	10	89	0.0047	0.0195	0.2259	0.2015	0.8652	1.4632	1.0012		0.1903	0.1587	0.5753	1.3351	2.4434	1.2013	0.4062	1.6533	0.0194	1.07268	1.72368
Nitrogen Dioxide	R5	11	20	22	70	10	0	0.0048	0.02	0.2282	0.2036	0.8777	1.488	1.0157		0.1932	0.1611	0.5837	1.3544	2.4787	1.2187	0.4121	1.6773	0.0201	0	0
Nitrogen Dioxide	R5	11	21	22	72	10	0	0.0047	0.0198	0.2272	0.2027	0.8723	1.478	1.0094		0.192	0.1601	0.5801	1.3461	2.4634	1.2112	0.4095	1.6669	0.0199	0	0
Nitrogen Dioxide	R5	11	22	22	74	10	0	0.0047	0.0196	0.2262	0.2018	0.8668	1.4679	1.0032		0.1908	0.1591	0.5765	1.3377	2.4481	1.2037	0.407	1.6565	0.0197	0	0
Nitrogen Dioxide	R5	11	23	22	74	10	0	0.0047	0.0196	0.2262	0.2018	0.8668	1.4679	1.0032		0.1908	0.1591	0.5765	1.3377	2.4481	1.2037	0.407	1.6565	0.0197	0	0
Nitrogen Dioxide	R5	11	24	21	74	10	0	0.0048	0.0201	0.2285	0.2039	0.8794	1.4928	1.0177		0.1937	0.1615	0.5848	1.357	2.4835	1.221	0.4128	1.6805	0.0204	0	0
Nitrogen Dioxide	R5	12	1	16	68	10	0	0.0057	0.024	0.2406	0.2146	0.943	1.6209	1.0913		0.2085	0.1738	0.6274	1.4552	2.6633	1.3094	0.4427	1.8021	0.0241	0	0
Nitrogen Dioxide	R5	12	2	16	69	10	0	0.0057	0.0239	0.2403	0.2143	0.9412	1.6175	1.0892		0.2081	0.1734	0.6261	1.4524	2.6581	1.3069	0.4419	1.7986	0.024	0	0
Nitrogen Dioxide	R5	12	3	16	69	10	0	0.0057	0.0239	0.2403	0.2143	0.9412	1.6175	1.0892		0.2081	0.1734	0.6261	1.4524	2.6581	1.3069	0.4419	1.7986	0.024	0	0
Nitrogen Dioxide	R5	12	4	15	70	10	0	0.0058	0.0246	0.2416	0.2154	0.9476	1.6316	1.0967		0.2097	0.1747	0.6305	1.4623	2.6763	1.3158	0.4449	1.8109	0.0245	0	0
Nitrogen Dioxide	R5	12	5	15	70	10	0	0.0058	0.0246	0.2416	0.2154	0.9476	1.6316	1.0967		0.2097	0.1747	0.6305	1.4623	2.6763	1.3158	0.4449	1.8109	0.0245	0	0
Nitrogen Dioxide	R5	12	6	15	70	10	0	0.0058	0.0246	0.2416	0.2154	0.9476	1.6316	1.0967		0.2097	0.1747	0.6305	1.4623	2.6763	1.3158	0.4449	1.8109	0.0245	0	0
Nitrogen Dioxide	R5	12	7	15	70	10	0	0.0058	0.0246	0.2416	0.2154	0.9476	1.6316	1.0967		0.2097	0.1747	0.6305	1.4623	2.6763	1.3158	0.4449	1.8109	0.0245	0	0
Nitrogen Dioxide	R5	12	8	15	69	10	0	0.0059	0.0246	0.2419	0.2157	0.9493	1.6348	1.0986		0.2101	0.175	0.6316	1.465	2.6811	1.3182	0.4457	1.8142	0.0245	0	0
Nitrogen Dioxide	R5	12	9	16	65	10	139	0.0058	0.0242	0.2417	0.2155	0.9485	1.6312	1.0977		0.2098	0.1748	0.631	1.4637	2.6788	1.3171	0.4453	1.8126	0.0243	1.1783	1.90049
Nitrogen Dioxide	R5	12	10	17	62	10	290	0.0056	0.0237	0.2411	0.2151	0.9462	1.6248	1.095		0.2092	0.1743	0.6295	1.4602	2.6723	1.3139	0.4442	1.8082	0.024	1.17538	1.89578
Nitrogen Dioxide	R5	12	11	18	58	10	272	0.0056	0.0234	0.241	0.2151	0.9463	1.6229	1.0951		0.2091	0.1742	0.6295	1.4603	2.6725	1.314	0.4443	1.8083	0.0238	1.17272	1.89148
Nitrogen Dioxide	R5	12	12	19	57	10	252	0.0054	0.0228	0.2398	0.2141	0.9403	1.6097	1.0882		0.2077	0.173	0.6255	1.451	2.6555	1.3056	0.4414	1.7969	0.0233	1.16684	1.882
Nitrogen Dioxide	R5	12	13	19	56	10	244	0.0055	0.0229	0.2402	0.2145	0.9425	1.6138	1.0907		0.2082	0.1734	0.627	1.4544	2.6618	1.3087	0.4425	1.8011	0.0234	1.16788	1.88368
Nitrogen Dioxide	R5	12	14	19	56	10	218	0.0055	0.0229	0.2402	0.2145	0.9425	1.6138	1.0907		0.2082	0.1734	0.627	1.4544	2.6618	1.3087	0.4425	1.8011	0.0234	1.16749	1.88304
Nitrogen Dioxide	R5	12	15	19	56	10	264	0.0055	0.0229	0.2402	0.2145	0.9425	1.6138	1.0907		0.2082	0.1734	0.627	1.4544	2.6618	1.3087	0.4425	1.8011	0.0234	1.16796	1.88703
Nitrogen Dioxide	R5	12	16	19	57	10	258	0.0054	0.0228	0.2398	0.2141	0.9403	1.6097	1.0882		0.2077	0.173	0.6255	1.451	2.6555	1.3056	0.4414	1.7969	0.0233	1.16501	1.87905
Nitrogen Dioxide	R5	12	17	18	60	10	282	0.0055	0.0232	0.2402	0.2144	0.9421	1.6151	1.0903		0.2082	0.1734	0.6267	1.4538	2.6607	1.3082	0.4423	1.8004	0.0236	1.16846	1.88462
Nitrogen Dioxide	R5	12	18	18	64	10	248	0.0054	0.0228	0.2387	0.213	0.9337	1.5995	1.0806		0.2063	0.1719	0.6211	1.4409	2.6371	1.2966	0.4384	1.7844	0.0233	1.16011	1.87114
Nitrogen Dioxide	R5	12	19	17	65	10	89	0.0056	0.0235	0.24	0.2141	0.9403	1.6138	1.0882		0.2079	0.1732	0.6256	1.4511	2.6557	1.3052	0.4415	1.797	0.0237	1.16492	1.87899
Nitrogen Dioxide	R5	12	20	17	66	10	0	0.0056	0.0234	0.2397	0.2138	0.9384	1.6102	1.086		0.2074	0.1728	0.6243	1.4481	2.6502	1.303	0.4406	1.7933	0.0237	0	0
Nitrogen Dioxide	R5	12	21	17	66	10	0	0.0056	0.0234	0.2397	0.2138	0.9384	1.6102	1.086		0.2074	0.1728	0.6243	1.4481	2.6502	1.303	0.4406	1.7933	0.0237	0	0
Nitrogen Dioxide	R5	12	22	16	66	10	0	0.0057	0.0241	0.2413	0.2152	0.9467	1.6277	1.0956		0.2094	0.1745	0.6298	1.4609	2.6736	1.3145	0.4444	1.8091	0.0242	0	0
Nitrogen Dioxide	R5	12	23	16	66	10	0	0.0057	0.0241	0.2413	0.2152	0.9467	1.6277	1.0956		0.2094	0.1745	0.6298	1.4609	2.6736	1.3145	0.4444	1.8091	0.0242	0	0
Nitrogen Dioxide	R5	12	24	16	67	10	0	0.0057	0.024	0.241	0.2149	0.9448	1.6243	1.0934		0.209	0.1741	0.6286	1.4581	2.6684	1.312	0.4436	1.8056	0.0241	0	0
Nitrogen Dioxide	R6	1	1	17	77	10	0	0.0054	0.0225	0.236	0.2105	0.9188	1.5736	1.0633		0.2029	0.1691	0.6112	1.4179	2.5949	1.2758	0.4314	1.7559	0.0228	0	0
Nitrogen Dioxide	R6	1	2	17	77	10	0	0.0054	0.0225	0.2357	0.2102	0.9169	1.57	1.0611		0.2025	0.1688	0.6099	1.4149	2.5894	1.2731	0.4305	1.7521	0.0227	0	0
Nitrogen Dioxide	R6	1	3	17	77	10	0	0.0054	0.0225	0.2357	0.2102	0.9169	1.57	1.0611		0.2025	0.1688	0.6099	1.4149	2.5894	1.2731	0.4305	1.7521	0.0227	0	0
Nitrogen Dioxide	R6	1	4	17	77	10	0	0.0054	0.0225	0.2357	0.2102	0.9169	1.57	1.0611		0.2025	0.1688	0.6099	1.4149	2.5894	1.2731	0.4305	1.7521	0.0227	0	0
Nitrogen Dioxide	R6	1	5	17	78	10	0	0.0053	0.0224	0.2353	0.2099	0.9149	1.5663	1.0588		0.2021	0.1684	0.6086	1.4119	2.5839	1.2704	0.4295	1.7484	0.0226	0	0
Nitrogen Dioxide	R6	1	6	17	77	10	0	0.0054	0.0225	0.2357	0.2102	0.9169	1.57	1.0611		0.2025	0.1688	0.6099	1.4149	2.5894	1.2731	0.4305	1.7521	0.0227	0	0
Nitrogen Dioxide	R6	1	7	16	77	10	0	0.0055	0.0232	0.2376	0.2118	0.9265	1.5901	1.0723		0.2048	0.1707	0.6164	1.4298	2.6167	1.2866	0.435	1.7706	0.0233	0	0
Nitrogen Dioxide	R6	1	8	17	77	10	0	0.0054	0.0225	0.2357	0.2102	0.9169	1.57	1.0611		0.2025	0.1688	0.6099	1.4149	2.5894	1.2731	0.4305	1.7521	0.0227	0	0
Nitrogen Dioxide	R6	1	9	17	73	10	17	0.0054	0.0228	0.2371	0.2115	0.9247	1.5846	1.0701		0.2043	0.1702	0.6151	1.427	2.6115	1.284	0.4341	1.7671	0.0231	1.16089	1.87241
Nitrogen Dioxide	R6	1	10	19	69	10	32	0.0052	0.0217	0.2348	0.2096	0.9135	1.5598	1.0572		0.2016	0.168	0.6076	1.4097	2.5799	1.2684	0.4289	1.7457	0.0222	1.13573	1.83182
Nitrogen Dioxide	R6	1	11	20	64	10	29	0.0051	0.0214	0.235	0.2099	0.915	1.5608	1.0589		0.2019	0.1682	0.6086	1.412	2.5841	1.2705	0.4296	1.7486	0.0221	1.12813	1.81956
Nitrogen Dioxide	R6	1	12	21	62	10	28	0.0051	0.0212	0.2341	0.209	0.9099	1.5494	1.053		0.2006	0.1672	0.6052	1.4041	2.5696	1.2634	0.4272	1.7388	0.0217	1.12391	1.81276
Nitrogen Dioxide	R6	1	13	21	61	10	27	0.0051	0.0213	0.2345	0.2094	0.9124	1.5541	1.0559		0.2012	0.1677	0.6069	1.4081	2.5768	1.2669	0.4284	1.7436	0.0218	1.12671	1.82211
Nitrogen Dioxide	R6	1	14	21	62	10	25	0.0051	0.0212	0.2341	0.209	0.9099	1.5494	1.053		0.2006	0.1672	0.6052	1.4041	2.5696	1.2634	0.4272	1.7388	0.0217	1.13242	1.82649
Nitrogen Dioxide	R6	1	15	21	62	10	29	0.0051	0.0212	0.2341	0.209	0.9099	1.5494	1.053		0.2006	0.1672	0.6052	1.4041	2.5696	1.2634	0.4272	1.7388	0.0217	1.12147	1.80882
Nitrogen Dioxide	R6	1	16	21	63	10	28	0.005	0.0211	0.2336	0.2086	0.9073	1.5446	1.05		0.2001	0.1667	0.6035	1.4002	2.5624	1.2599	0.426	1.7339	0.0216	1.12066	1.80751
Nitrogen Dioxide	R6	1	17	20	67	10	31	0.005	0.0211	0.2337	0.2087	0.9079	1.5475	1.0506		0.2002	0.1669	0.6038	1.401	2.564	1.2606	0.4262	1.7349	0.0218	1.13075	1.82378
Nitrogen Dioxide	R6	1	18	19	72	10	27	0.0051	0.0214	0.2336	0.2085	0.9068	1.5474	1.0494		0.2001	0.1667	0.6032	1.3993	2.561	1.2591	0.4257	1.7329	0.0219	1.12318	1.81158
Nitrogen Dioxide	R6	1	19	18	74	10	12	0.0052	0.0219	0.2348	0.2095	0.9128	1.5605	1.0564		0.2015	0.1679	0.6072	1.4087	2.578	1.2675	0.4286	1.7444	0.0223	1.14042	1.83938
Nitrogen Dioxide	R6	1	20	18	74	10	0	0.0052	0.0219	0.2348	0.2095	0.9128	1.5605	1.0564		0.2015	0.1679	0.6072	1.4087	2.578	1.2675	0.4286	1.7444	0.0223	0	0
Nitrogen Dioxide	R6	1	21	18	75	10	0	0.0052	0.0219	0.2344	0.2092	0.9108	1.5566	1.054		0.201	0.1675	0.6058	1.4055	2.5721	1.2646	0.4276	1.7405	0.0223	0	0
Nitrogen Dioxide	R6	1	22	18	76	10	0	0.0052	0.0218	0.234	0.2088	0.9087	1.5527	1.0516		0.2006	0.1672	0.6044	1.4022	2.5662	1.2617	0.4266	1.7365	0.0222	0	0
Nitrogen Dioxide	R6	1	23	18	75	10	0	0.0052	0.0219	0.2344	0.2092	0.9108	1.5566	1.054		0.201	0.1675	0.6058	1.4055	2.5721	1.2646	0.4276	1.7405	0.0223	0	0
Nitrogen Dioxide	R6	1	24	17	76	10	0	0.0054	0.0225	0.236	0.2105	0.9188	1.5736	1.0633		0.2029	0.1691	0.6112	1.4179	2.5949	1.2758	0.4314	1.7559	0.0228	0	0
Nitrogen Dioxide	R6	2	1	17	78	10	0	0.0053	0.0224	0.2353	0.2099	0.9149	1.5663	1.0588		0.2021	0.1684	0.6086	1.4119	2.5839	1.2704	0.4295	1.7484	0.0226	0	0
Nitrogen Dioxide	R6	2	2	17	80	10	0	0.0053	0.0222	0.2346	0.2092	0.911	1.559	1.0543		0.2012	0.1677	0.606	1.4058	2.5728	1.265	0.4277	1.7409	0.0225	0	0
Nitrogen Dioxide	R6	2	3	17	81	10	0	0.0053	0.0221	0.2342	0.2089	0.909	1.5554	1.052		0.2007	0.1673	0.6047	1.4028	2.5673	1.2623	0.4268	1.7372	0.0224	0	0
Nitrogen Dioxide	R6	2	4	17	82	10	0	0.0053	0.022	0.2339	0.2085	0.9071	1.5517	1.0498		0.2003	0.1669	0.6034	1.3998	2.5618	1.2596	0.4259	1.7335	0.0223	0	0
Nitrogen Dioxide	R6	2	5	16	83	10	0	0.0054	0.0228	0.2355	0.21	0.9156	1.5695	1.0596		0.2023	0.1686	0.6091	1.4129	2.5857	1.2713	0.4298	1.7497	0.0228	0	0
Nitrogen Dioxide	R6	2	6	16	83	10	0	0.0054	0.0228	0.2355	0.21	0.9156	1.5695	1.0596		0.2023	0.1686	0.6091	1.4129	2.5857	1.2713	0.4298	1.7497	0.0228	0	0
Nitrogen Dioxide	R6	2	7	16	83	10	0	0.0054	0.0228	0.2355	0.21	0.9156	1.5695	1.0596		0.2023	0.1686	0.6091	1.4129	2.5857	1.2713	0.4298	1.7497	0.0228	0	0
Nitrogen Dioxide	R6	2	8	17	81	10	0	0.0053	0.0221	0.2342	0.2089	0.909	1.5554	1.052		0.2007	0.1673	0.6047	1.4028	2.5673	1.2623	0.4268	1.7372	0.0224	0	0
Nitrogen Dioxide	R6	2	9	18	77	10	17	0.0052	0.0217	0.2337	0.2085	0.9066	1.5489	1.0492		0.2001	0.1668	0.603	1.399	2.5603	1.2588	0.4256	1.7325	0.0221	1.13738	1.83449
Nitrogen Dioxide	R6	2	10	19	73	10	32	0.0051	0.0213	0.2332	0.2081	0.9046	1.5432	1.0468		0.1996	0.1663	0.6017	1.3959	2.5547	1.256	0.4247	1.7286	0.0218	1.12436	1.81349
Nitrogen Dioxide	R6	2	11	20	70	10	29	0.005	0.0209	0.2324	0.2075	0.9037	1.5342	1.0424		0.1986	0.1655	0.5991	1.39	2.5438	1.2507	0.4229	1.7213	0.0215	1.11023	1.7907
Nitrogen Dioxide	R6	2	12	21	68	10	28	0.005	0.021	0.2333	0.2083	0.9055	1.5432	1.0479		0.1997	0.1664	0.6023	1.3973	2.5572	1.2573	0.4251	1.7304	0.0217	1.11864	1.80426
Nitrogen Dioxide	R6	2	13	21	65	10	27	0.005	0.0209	0.2327	0.2077	0.9022	1.5352	1.0441		0.1989	0.1658	0.6001	1.3923	2.5481	1.2528	0.4236	1.7242	0.0213	1.11686	1.80138
Nitrogen Dioxide	R6	2	14	21	65	10	25	0.005	0.0209	0.2327	0.2077	0.9022	1.5352	1.0441		0.1989	0.1658	0.6001	1.3923	2.5481	1.2528	0.4236	1.7242	0.0213	1.12268	1.81077
Nitrogen Dioxide	R6	2	15	21	66	10	29	0.005	0.0208	0.2322	0.2073	0.8997	1.5305	1.0412		0.1983	0.1653	0.5984	1.3884	2.5409	1.2493	0.4224	1.7193	0.0212	1.10869	1.78821
Nitrogen Dioxide	R6	2	16	20	68	10	28	0.005	0.021	0.2333	0.2083	0.9055	1.5431	1.0479		0.1997	0.1664	0.6023	1.3973	2.5572	1.2573	0.4251	1.7304	0.0217	1.11864	1.80426
Nitrogen Dioxide	R6	2	17	20	70	10	31	0.005	0.0209	0.2324	0.2075	0.9037	1.5343	1.0424		0.1986	0.1655	0.5991	1.39	2.5438	1.2507	0.4229	1.7213	0.0215	1.12172	1.80923
Nitrogen Dioxide	R6	2	18	19	74	10	27	0.0051	0.0212	0.2328	0.2077	0.9023	1.5391	1.0442		0.1991	0.1659	0.6002	1.3925	2.5484	1.2529	0.4236	1.7244	0.0217	1.11752	1.80245
Nitrogen Dioxide	R6	2	19	18	76	10	12	0.0052	0.0218	0.234	0.2088	0.9087	1.5527	1.0516		0.2006	0.1672	0.6044	1.4022	2.5662	1.2617	0.4266	1.7365	0.0222	1.13512	1.83083
Nitrogen Dioxide	R6	2	20	18	78	10	0	0.0052	0.0216	0.2333	0.2081	0.9045	1.545	1.0467		0.1996	0.1664	0.6016	1.3958	2.5544	1.2559	0.4246	1.7285	0.022	0	0
Nitrogen Dioxide	R6	2	21	18	78	10	0	0.0052	0.0216	0.2333	0.2081	0.9045	1.545	1.0467		0.1996	0.1664	0.6016	1.3958	2.5544	1.2559	0.4246	1.7285	0.022	0	0
Nitrogen Dioxide	R6	2	22	18	78	10	0	0.0052	0.0216	0.2333	0.2081	0.9045	1.545	1.0467		0.1996	0.1664	0.6016	1.3958	2.5544	1.2559	0.4246	1.7285	0.022	0	0
Nitrogen Dioxide	R6	2	23	18	78	10	0	0.0052	0.0216	0.2333	0.2081	0.9045	1.545	1.0467		0.1996	0.1664	0.6016	1.3958	2.5544	1.2559	0.4246	1.7285	0.022	0	0
Nitrogen Dioxide	R6	2	24	18	78	10	0	0.0052	0.0216	0.2333	0.2081	0.9045	1.545	1.0467		0.1996	0.1664	0.6016	1.3958	2.5544	1.2559	0.4246	1.7285	0.022	0	0
Nitrogen Dioxide	R6	3	1	21	86	10	0	0.0045	0.0189	0.2229	0.1987	0.8489	1.4363	0.9824		0.1867	0.1557	0.5645	1.3099	2.3973	1.1787	0.3985	1.6222	0.0191	0	0
Nitrogen Dioxide	R6	3	2	20	87	10	0	0.0046	0.0194	0.225	0.2006	0.8602	1.459	0.9955		0.1894	0.1579	0.5721	1.3275	2.4294	1.1945	0.4039	1.6439	0.0197	0	0
Nitrogen Dioxide	R6	3	3	20	87	10	0	0.0046	0.0194	0.225	0.2006	0.8602	1.459	0.9955		0.1894	0.1579	0.5721	1.3275	2.4294	1.1945	0.4039	1.6439	0.0197	0	0
Nitrogen Dioxide	R6	3	4	20	87	10	0	0.0046	0.0194	0.225	0.2006	0.8602	1.459	0.9955		0.1894	0.1579	0.5721	1.3275	2.4294	1.1945	0.4039	1.6439	0.0197	0	0
Nitrogen Dioxide	R6	3	5	20	87	10	0	0.0046	0.0194	0.225	0.2006	0.8602	1.459	0.9955		0.1894	0.1579	0.5721	1.3275	2.4294	1.1945	0.4039	1.6439	0.0197	0	0
Nitrogen Dioxide	R6	3	6	20	87	10	0	0.0046	0.0194	0.225	0.2006	0.8602	1.459	0.9955		0.1894	0.1579	0.5721	1.3275	2.4294	1.1945	0.4039	1.6439	0.0197	0	0
Nitrogen Dioxide	R6	3	7	20	87	10	0	0.0046	0.0194	0.225	0.2006	0.8602	1.459	0.9955		0.1894	0.1579	0.5721	1.3275	2.4294	1.1945	0.4039	1.6439	0.0197	0	0
Nitrogen Dioxide	R6	3	8	20	86	10	0	0.0047	0.0195	0.2254	0.201	0.8626	1.4634	0.9983		0.1899	0.1584	0.5737	1.3311	2.4361	1.1978	0.405	1.6484	0.0198	0	0
Nitrogen Dioxide	R6	3	9	21	83	10	17	0.0046	0.0192	0.2243	0.2	0.8565	1.4504	0.9912		0.1885	0.1572	0.5696	1.3217	2.4189	1.1893	0.4021	1.6367	0.0194	1.07224	1.72941
Nitrogen Dioxide	R6	3	10	22	79	10	32	0.0046	0.0

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:

(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.

(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Dioxide	R6	5	18	28	81	10	27	0.0037	0.0154	0.2045	0.1818	0.748	1.2458	0.8657		0.1637	0.1367	0.4972	1.1543	2.1126	1.0387	0.3512	1.4295	0.0145	0.92201	1.48711
Nitrogen Dioxide	R6	5	19	27	84	10	12	0.0037	0.0156	0.2059	0.1831	0.7558	1.2601	0.8746		0.1654	0.1381	0.5024	1.1663	2.1345	1.0494	0.3548	1.4443	0.0148	0.93885	1.51427
Nitrogen Dioxide	R6	5	20	27	87	10	0	0.0036	0.0151	0.2038	0.1812	0.7446	1.2396	0.8618		0.1629	0.136	0.495	1.1491	2.103	1.034	0.3496	1.423	0.0143	0	0
Nitrogen Dioxide	R6	5	21	27	88	10	0	0.0036	0.015	0.2031	0.1806	0.7409	1.2328	0.8575		0.162	0.1354	0.4925	1.1434	2.0925	1.0288	0.3479	1.4159	0.0142	0	0
Nitrogen Dioxide	R6	5	22	26	89	10	0	0.0037	0.0155	0.206	0.1833	0.7569	1.2623	0.876		0.1657	0.1384	0.5032	1.1681	2.1377	1.0511	0.3554	1.4465	0.0148	0	0
Nitrogen Dioxide	R6	5	23	26	89	10	0	0.0037	0.0155	0.206	0.1833	0.7569	1.2623	0.876		0.1657	0.1384	0.5032	1.1681	2.1377	1.0511	0.3554	1.4465	0.0148	0	0
Nitrogen Dioxide	R6	5	24	26	90	10	0	0.0037	0.0154	0.2054	0.1827	0.7535	1.2558	0.8719		0.1649	0.1377	0.5008	1.1627	2.1279	1.0462	0.3537	1.4398	0.0147	0	0
Nitrogen Dioxide	R6	6	1	28	88	10	0	0.0035	0.0144	0.1994	0.1771	0.7204	1.195	0.8337		0.1574	0.1315	0.4788	1.1117	2.0346	1.0004	0.3382	1.3767	0.0133	0	0
Nitrogen Dioxide	R6	6	2	27	89	10	0	0.0036	0.0148	0.2024	0.1799	0.7372	1.2259	0.8532		0.1612	0.1347	0.49	1.1377	2.0821	1.0237	0.3461	1.4088	0.014	0	0
Nitrogen Dioxide	R6	6	3	27	89	10	0	0.0036	0.0148	0.2024	0.1799	0.7372	1.2259	0.8532		0.1612	0.1347	0.49	1.1377	2.0821	1.0237	0.3461	1.4088	0.014	0	0
Nitrogen Dioxide	R6	6	4	27	88	10	0	0.0036	0.015	0.2031	0.1806	0.7409	1.2328	0.8575		0.162	0.1354	0.4925	1.1434	2.0925	1.0288	0.3479	1.4159	0.0142	0	0
Nitrogen Dioxide	R6	6	5	27	89	10	0	0.0036	0.0148	0.2024	0.1799	0.7372	1.2259	0.8532		0.1612	0.1347	0.49	1.1377	2.0821	1.0237	0.3461	1.4088	0.014	0	0
Nitrogen Dioxide	R6	6	6	27	90	10	0	0.0035	0.0147	0.2018	0.1793	0.7335	1.2191	0.8489		0.1604	0.134	0.4875	1.1319	2.0716	1.0185	0.3444	1.4017	0.0139	0	0
Nitrogen Dioxide	R6	6	7	28	87	10	0	0.0035	0.0145	0.2001	0.1778	0.7244	1.2022	0.8383		0.1583	0.1322	0.4814	1.1178	2.0457	1.0058	0.3401	1.3843	0.0135	0	0
Nitrogen Dioxide	R6	6	8	29	82	10	0	0.0035	0.0147	0.2001	0.1777	0.734	1.2016	0.8379		0.1582	0.1322	0.4812	1.1173	2.0447	1.0053	0.3399	1.3836	0.0135	0	0
Nitrogen Dioxide	R6	6	9	29	79	10	17	0.0037	0.0152	0.2024	0.1798	0.7366	1.2247	0.8524		0.1611	0.1345	0.4896	1.1366	2.0802	1.0228	0.3458	1.4076	0.014	0.9181	1.48081
Nitrogen Dioxide	R6	6	10	30	76	10	32	0.0036	0.0151	0.2012	0.1787	0.7296	1.2118	0.8443		0.1595	0.1332	0.4849	1.1259	2.0605	1.0131	0.3425	1.3942	0.0137	0.90172	1.45439
Nitrogen Dioxide	R6	6	11	30	75	10	29	0.0037	0.0153	0.202	0.1794	0.734	1.22	0.8495		0.1605	0.1341	0.4879	1.1327	2.073	1.0192	0.3446	1.4027	0.0139	0.9006	1.45259
Nitrogen Dioxide	R6	6	12	30	74	10	28	0.0037	0.0155	0.2029	0.1801	0.7385	1.2282	0.8546		0.1615	0.1349	0.4908	1.1396	2.0856	1.0254	0.3467	1.4112	0.0141	0.90797	1.46447
Nitrogen Dioxide	R6	6	13	31	73	10	22	0.0036	0.0151	0.2001	0.1776	0.7232	1.2001	0.837		0.158	0.1321	0.4807	1.1161	2.0425	1.0042	0.3395	1.3821	0.0135	0.89079	1.43676
Nitrogen Dioxide	R6	6	14	31	72	10	25	0.0037	0.0153	0.201	0.1784	0.7279	1.2088	0.8424		0.1591	0.1331	0.4838	1.1233	2.0558	1.0108	0.3418	1.3911	0.0137	0.90102	1.45326
Nitrogen Dioxide	R6	6	15	30	74	10	29	0.0037	0.0155	0.2029	0.1801	0.7385	1.2282	0.8546		0.1615	0.1349	0.4908	1.1396	2.0856	1.0254	0.3467	1.4112	0.0141	0.90613	1.4615
Nitrogen Dioxide	R6	6	16	30	74	10	28	0.0037	0.0155	0.2029	0.1801	0.7385	1.2282	0.8546		0.1615	0.1349	0.4908	1.1396	2.0856	1.0254	0.3467	1.4112	0.0141	0.90797	1.46447
Nitrogen Dioxide	R6	6	17	30	75	10	31	0.0037	0.0153	0.202	0.1794	0.734	1.22	0.8495		0.1605	0.1341	0.4879	1.1327	2.073	1.0192	0.3446	1.4027	0.0139	0.90926	1.46655
Nitrogen Dioxide	R6	6	18	29	79	10	27	0.0037	0.0152	0.2024	0.1798	0.7366	1.2247	0.8524		0.1611	0.1345	0.4896	1.1366	2.0802	1.0228	0.3458	1.4076	0.014	0.90756	1.4638
Nitrogen Dioxide	R6	6	19	29	81	10	12	0.0036	0.0148	0.2009	0.1784	0.7282	1.2093	0.8427		0.1592	0.133	0.484	1.1237	2.0565	1.0111	0.3419	1.3916	0.0137	0.9038	1.45774
Nitrogen Dioxide	R6	6	20	28	83	10	0	0.0036	0.0151	0.203	0.1804	0.7401	1.2313	0.8565		0.1619	0.1352	0.4919	1.1422	2.0903	1.0277	0.3475	1.4144	0.0141	0	0
Nitrogen Dioxide	R6	6	21	28	85	10	0	0.0036	0.0148	0.2016	0.1791	0.7323	1.2168	0.8474		0.1601	0.1337	0.4867	1.13	2.068	1.0168	0.3438	1.3993	0.0138	0	0
Nitrogen Dioxide	R6	6	22	28	86	10	0	0.0035	0.0147	0.2009	0.1784	0.7283	1.2095	0.8429		0.1592	0.133	0.4841	1.1239	2.0569	1.0113	0.3419	1.3918	0.0137	0	0
Nitrogen Dioxide	R6	6	23	28	87	10	0	0.0035	0.0145	0.2001	0.1778	0.7244	1.2022	0.8383		0.1583	0.1322	0.4814	1.1178	2.0457	1.0058	0.3401	1.3843	0.0135	0	0
Nitrogen Dioxide	R6	6	24	28	87	10	0	0.0035	0.0145	0.2001	0.1778	0.7244	1.2022	0.8383		0.1583	0.1322	0.4814	1.1178	2.0457	1.0058	0.3401	1.3843	0.0135	0	0
Nitrogen Dioxide	R6	7	1	28	84	10	0	0.0036	0.015	0.2023	0.1798	0.7362	1.224	0.852		0.161	0.1345	0.4893	1.1361	2.0792	1.0223	0.3456	1.4069	0.014	0	0
Nitrogen Dioxide	R6	7	2	28	84	10	0	0.0036	0.015	0.2023	0.1798	0.7362	1.224	0.852		0.161	0.1345	0.4893	1.1361	2.0792	1.0223	0.3456	1.4069	0.014	0	0
Nitrogen Dioxide	R6	7	3	28	86	10	0	0.0035	0.0147	0.2009	0.1784	0.7283	1.2095	0.8429		0.1592	0.133	0.4841	1.1239	2.0569	1.0113	0.3419	1.3918	0.0137	0	0
Nitrogen Dioxide	R6	7	4	28	86	10	0	0.0035	0.0147	0.2009	0.1784	0.7283	1.2095	0.8429		0.1592	0.133	0.4841	1.1239	2.0569	1.0113	0.3419	1.3918	0.0137	0	0
Nitrogen Dioxide	R6	7	5	28	88	10	0	0.0035	0.0144	0.1994	0.1771	0.7204	1.195	0.8337		0.1574	0.1315	0.4788	1.1117	2.0346	1.0004	0.3382	1.3767	0.0133	0	0
Nitrogen Dioxide	R6	7	6	27	88	10	0	0.0036	0.015	0.2031	0.1806	0.7409	1.2328	0.8575		0.162	0.1354	0.4925	1.1434	2.0925	1.0288	0.3479	1.4159	0.0142	0	0
Nitrogen Dioxide	R6	7	7	28	86	10	0	0.0035	0.0147	0.2009	0.1784	0.7283	1.2095	0.8429		0.1592	0.133	0.4841	1.1239	2.0569	1.0113	0.3419	1.3918	0.0137	0	0
Nitrogen Dioxide	R6	7	8	29	81	10	0	0.0036	0.0148	0.2009	0.1784	0.7282	1.2093	0.8427		0.1592	0.133	0.484	1.1237	2.0565	1.0111	0.3419	1.3916	0.0137	0	0
Nitrogen Dioxide	R6	7	9	30	76	10	17	0.0036	0.0151	0.2012	0.1787	0.7296	1.2118	0.8443		0.1595	0.1332	0.4849	1.1259	2.0605	1.0131	0.3425	1.3942	0.0137	0.90915	1.46638
Nitrogen Dioxide	R6	7	10	31	70	10	32	0.0038	0.0157	0.2027	0.18	0.7374	1.2262	0.8533		0.1612	0.1347	0.4901	1.1379	2.0825	1.0239	0.3462	1.4091	0.0141	0.91157	1.47027
Nitrogen Dioxide	R6	7	11	31	68	10	29	0.0039	0.0161	0.2045	0.1815	0.7468	1.2436	0.8643		0.1634	0.1365	0.4964	1.1524	2.1091	1.057	0.3506	1.4271	0.0144	0.91662	1.47841
Nitrogen Dioxide	R6	7	12	32	67	10	28	0.0038	0.0158	0.2019	0.1792	0.7326	1.2174	0.8478		0.1602	0.1339	0.4869	1.1305	2.0689	1.0172	0.3439	1.3999	0.0139	0.9006	1.45258
Nitrogen Dioxide	R6	7	13	32	66	10	27	0.0038	0.016	0.2028	0.18	0.7376	1.2266	0.8536		0.1613	0.1348	0.4902	1.1382	2.083	1.0242	0.3463	1.4095	0.0141	0.90886	1.4659
Nitrogen Dioxide	R6	7	14	32	66	10	25	0.0038	0.016	0.2028	0.18	0.7376	1.2266	0.8536		0.1613	0.1348	0.4902	1.1382	2.083	1.0242	0.3463	1.4095	0.0141	0.91328	1.47303
Nitrogen Dioxide	R6	7	15	31	68	10	29	0.0039	0.0161	0.2045	0.1815	0.7468	1.2436	0.8643		0.1634	0.1365	0.4964	1.1524	2.1091	1.057	0.3506	1.4271	0.0144	0.91662	1.47841
Nitrogen Dioxide	R6	7	16	31	69	10	28	0.0038	0.0159	0.2036	0.1808	0.7421	1.2349	0.8588		0.1623	0.1356	0.4932	1.1452	2.0958	1.0304	0.3484	1.4181	0.0142	0.91253	1.47182
Nitrogen Dioxide	R6	7	17	31	70	10	31	0.0038	0.0157	0.2027	0.18	0.7374	1.2262	0.8533		0.1612	0.1347	0.4901	1.1379	2.0825	1.0239	0.3462	1.4091	0.0141	0.91343	1.4733
Nitrogen Dioxide	R6	7	18	30	73	10	27	0.0038	0.0157	0.2027	0.1809	0.7429	1.2364	0.8598		0.1625	0.1357	0.4938	1.1464	2.0981	1.0316	0.3488	1.4197	0.0143	0.91359	1.47676
Nitrogen Dioxide	R6	7	19	29	72	10	12	0.0038	0.0157	0.2048	0.1819	0.7491	1.2479	0.8669		0.1639	0.1369	0.4979	1.156	2.1157	1.0402	0.3517	1.4316	0.0145	0.9304	1.50065
Nitrogen Dioxide	R6	7	20	29	79	10	0	0.0037	0.0152	0.2024	0.1798	0.7366	1.2247	0.8524		0.1611	0.1345	0.4896	1.1366	2.0802	1.0228	0.3458	1.4076	0.014	0	0
Nitrogen Dioxide	R6	7	21	29	81	10	0	0.0036	0.0148	0.2009	0.1784	0.7282	1.2093	0.8427		0.1592	0.133	0.484	1.1237	2.0565	1.0111	0.3419	1.3916	0.0137	0	0
Nitrogen Dioxide	R6	7	22	29	82	10	0	0.0035	0.0147	0.2001	0.1777	0.724	1.2016	0.8379		0.1582	0.1322	0.4812	1.1173	2.0447	1.0053	0.3399	1.3836	0.0135	0	0
Nitrogen Dioxide	R6	7	23	28	83	10	0	0.0036	0.0151	0.203	0.1804	0.7401	1.2313	0.8565		0.1619	0.1352	0.4919	1.1422	2.0903	1.0277	0.3475	1.4144	0.0141	0	0
Nitrogen Dioxide	R6	7	24	28	84	10	0	0.0036	0.015	0.2023	0.1798	0.7362	1.224	0.852		0.161	0.1345	0.4893	1.1361	2.0792	1.0223	0.3456	1.4069	0.014	0	0
Nitrogen Dioxide	R6	8	1	27	90	10	0	0.0035	0.0147	0.2018	0.1793	0.7335	1.2191	0.8489		0.1604	0.134	0.4875	1.1319	2.0716	1.0185	0.3444	1.4017	0.0139	0	0
Nitrogen Dioxide	R6	8	2	26	90	10	0	0.0037	0.0154	0.2054	0.1827	0.7535	1.2558	0.8719		0.1649	0.1377	0.5008	1.1627	2.1279	1.0462	0.3537	1.4398	0.0147	0	0
Nitrogen Dioxide	R6	8	3	26	91	10	0	0.0037	0.0152	0.2047	0.1821	0.75	1.2494	0.8679		0.1641	0.137	0.4985	1.1573	2.118	1.0414	0.3521	1.4332	0.0145	0	0
Nitrogen Dioxide	R6	8	4	26	92	10	0	0.0036	0.0151	0.2041	0.1815	0.7465	1.2431	0.8639		0.1633	0.1364	0.4962	1.1519	2.1082	1.0365	0.3505	1.4265	0.0144	0	0
Nitrogen Dioxide	R6	8	5	26	93	10	0	0.0036	0.0151	0.2041	0.1815	0.7465	1.2431	0.8639		0.1633	0.1364	0.4962	1.1519	2.1082	1.0365	0.3505	1.4265	0.0144	0	0
Nitrogen Dioxide	R6	8	6	27	93	10	0	0.0036	0.0149	0.2035	0.1809	0.743	1.2365	0.8598		0.1625	0.1357	0.4938	1.1466	2.0983	1.0317	0.3488	1.4198	0.0143	0	0
Nitrogen Dioxide	R6	8	7	26	93	10	0	0.0036	0.0149	0.2035	0.1809	0.743	1.2365	0.8598		0.1625	0.1357	0.4938	1.1466	2.0983	1.0317	0.3488	1.4198	0.0143	0	0
Nitrogen Dioxide	R6	8	8	27	88	10	0	0.0036	0.015	0.2031	0.1806	0.7409	1.2328	0.8575		0.162	0.1354	0.4925	1.1434	2.0925	1.0288	0.3479	1.4159	0.0142	0	0
Nitrogen Dioxide	R6	8	9	27	89	10	0	0.0036	0.0148	0.2024	0.1799	0.7372	1.2259	0.8532		0.1612	0.1347	0.49	1.1377	2.0821	1.0237	0.3461	1.4088	0.014	0	0
Nitrogen Dioxide	R6	8	10	30	76	10	32	0.0036	0.0151	0.2012	0.1787	0.7296	1.2118	0.8443		0.1595	0.1332	0.4849	1.1259	2.0605	1.0131	0.3425	1.3942	0.0137	0.90172	1.45439
Nitrogen Dioxide	R6	8	11	30	73	10	29	0.0037	0.0157	0.2027	0.1809	0.7429	1.2364	0.8598		0.1625	0.1357	0.4938	1.1464	2.0981	1.0316	0.3488	1.4197	0.0143	0.91174	1.47056
Nitrogen Dioxide	R6	8	12	30	73	10	28	0.0038	0.0157	0.2037	0.1809	0.7429	1.2364	0.8598		0.1625	0.1357	0.4938	1.1464	2.0981	1.0316	0.3488	1.4197	0.0143	0.9136	1.47355
Nitrogen Dioxide	R6	8	13	30	74	10	27	0.0037	0.0155	0.2029	0.1801	0.7385	1.2282	0.8546		0.1615	0.1349	0.4908	1.1396	2.0856	1.0254	0.3467	1.4112	0.0141	0.90995	1.46766
Nitrogen Dioxide	R6	8	14	30	74	10	25	0.0037	0.0155	0.2029	0.1801	0.7385	1.2282	0.8546		0.1615	0.1349	0.4908	1.1396	2.0856	1.0254	0.3467	1.4112	0.0141	0.91438	1.4748
Nitrogen Dioxide	R6	8	15	30	75	10	29	0.0037	0.0153	0.202	0.1794	0.734	1.22	0.8495		0.1605	0.1341	0.4879	1.1327	2.073	1.0192	0.3446	1.4027	0.0139	0.9006	1.45259
Nitrogen Dioxide	R6	8	16	29	77	10	28	0.0037	0.0155	0.204	0.1812	0.7449	1.2402	0.8621		0.1631	0.1361	0.4952	1.1496	2.1039	1.0344	0.3497	1.4236	0.0144	0.91611	1.4776
Nitrogen Dioxide	R6	8	17	29	78	10	31	0.0037	0.0152	0.2024	0.1798	0.7366	1.2247	0.8524		0.1611	0.1345	0.4896	1.1366	2.0802	1.0228	0.3458	1.4076	0.014	0.91245	1.47169
Nitrogen Dioxide	R6	8	18	28	80	10	27	0.0038	0.0156	0.2052	0.1824	0.752	1.2531	0.8702		0.1646	0.1374	0.4998	1.1604	2.1237	1.0442	0.353	1.437	0.0146	0.92693	1.49504
Nitrogen Dioxide	R6	8	19	28	82	10	12	0.0037	0.0153	0.2038	0.1811	0.7441	1.2386	0.8611		0.1628	0.1359	0.4946	1.1483	2.1014	1.0332	0.3493	1.4219	0.0143	0.92402	1.49035
Nitrogen Dioxide	R6	8	20	28	84	10	0	0.0036	0.015	0.2023	0.1798	0.7362	1.224	0.852		0.161	0.1345	0.4893	1.1361	2.0792	1.0223	0.3456	1.4069	0.014	0	0
Nitrogen Dioxide	R6	8	21	27	85	10	0	0.0037	0.0154	0.2052	0.1824	0.7521	1.2535	0.8703		0.1646	0.1374	0.4999	1.1606	2.124	1.0443	0.3531	1.4372	0.0146	0	0
Nitrogen Dioxide	R6	8	22	27	87	10	0	0.0036	0.0151	0.2038	0.1812	0.7446	1.2396	0.8618		0.1629	0.136	0.495	1.1491	2.103	1.034	0.3496	1.423	0.0143	0	0
Nitrogen Dioxide	R6	8	23	27	88	10	0	0.0036	0.015	0.2031	0.1806	0.7409	1.2328	0.8575		0.162	0.1354	0.4925	1.1434	2.0925	1.0288	0.3479	1.4159	0.0142	0	0
Nitrogen Dioxide	R6	8	24	27	89	10	0	0.0036	0.0148	0.2024	0.1799	0.7372	1.2259	0.8532		0.1612	0.1347	0.49	1.1377	2.0821	1.0237	0.3461	1.4088	0.014	0	0
Nitrogen Dioxide	R6	9	1	27	89	10	0	0.0036	0.0148	0.2024	0.1799	0.7372	1.2259	0.8532		0.1612	0.1347	0.49	1.1377	2.0821	1.0237	0.3461	1.4088	0.014	0	0
Nitrogen Dioxide	R6	9	2	26	89	10	0	0.0037	0.0155	0.206	0.1833	0.7569	1.2623	0.876		0.1657	0.1384	0.5032	1.1681	2.1377	1.0511	0.3554	1.4465	0.0148	0	0
Nitrogen Dioxide	R6	9	3	26	91	10	0	0.0037	0.0152	0.2047	0.1821	0.75	1.2494	0.8679		0.1641	0.137	0.4985	1.1573	2.118	1.0414	0.3521	1.4332	0.0145	0	0
Nitrogen Dioxide	R6	9	4	26	92	10	0	0.0036	0.0151	0.2041	0.1815	0.7465	1.2431	0.8639		0.1633	0.1364	0.4962	1.1519	2.1082	1.0365	0.3505	1.4265	0.0144	0	0
Nitrogen Dioxide	R6	9	5	26	92	10	0	0.0036	0.0151	0.2041	0.1815	0.7465	1.2431	0.8639		0.1633	0.1364	0.4962	1.1519	2.1082	1.0365	0.3505	1.4265	0.0144	0	0
Nitrogen Dioxide	R6	9	6	26	93	10	0	0.0036	0.0149	0.2035	0.1809	0.743	1.2365	0.8598		0.1625	0.1357	0.4938	1.1466	2.0983	1.0317	0.3488	1.4198	0.0143	0	0
Nitrogen Dioxide	R6	9	7	26	93	10	0	0.0036	0.0149	0.2035	0.1809	0.743	1.2365	0.8598		0.1625	0.1357	0.4938	1.1466	2.0983	1.0317	0.3488	1.4198	0.0143	0	0
Nitrogen Dioxide	R6	9	8	27	88	10	0	0.0036	0.015	0.2031	0.1806	0.7409	1.2328	0.8575		0.162	0.1354	0.4925	1.1434	2.0925	1.0288	0.3479	1.4159	0.0142	0	0
Nitrogen Dioxide	R6	9	9	28	83	10	17	0.0036	0.0151	0.203	0.1804	0.7401	1.2313	0.8565		0.1619	0.1352	0.4919	1.1422	2.0903	1.0277	0.3475	1.4144	0.0141	0.92264	1.48813
Nitrogen Dioxide	R6	9	10	29	78	10	32	0.0037	0.0153	0.2032	0.1805	0.7408	1.2324	0.8573		0.1622	0.1353	0.4924	1.1431	2.092	1.0286	0.3478	1.4156	0.0142	0.91591	1.47727
Nitrogen Dioxide	R6	9	11	29	76	10	29	0.0038	0.0157	0.2048	0.1819	0.7491	1.2479	0.8669		0.1639	0.1369	0.4979	1.156	2.1157	1.0402	0.3517	1.4316	0.0145	0.91945	1.48299
Nitrogen Dioxide	R6	9	12	29	76	10	28	0.0038	0.0157	0.2048	0.1819	0.7491	1.2479	0.8669		0.1639	0.1369	0.4979	1.156	2.1157	1.0402	0.3517	1.4316	0.0145	0.92133	1.48601
Nitrogen Dioxide	R6	9	13	30	75	10	27	0.0037	0.0153	0.202	0.1794	0.734	1.22	0.8495		0.1605	0.1341	0.4879	1.1327	2.073	1.0192	0.3446	1.4027	0.0139	0.90439	1.45869
Nitrogen Dioxide	R6	9	14	29	75	10	25	0.0038	0.0159	0.2055	0.1826	0.7533	1.2556	0.8718		0.1649	0.1377	0.5007	1.1625	2.1275	1.046	0.3537	1.4396	0.0147	0.93321	1.50517
Nitrogen Dioxide	R6	9	15	29	77	10	29	0.0037	0.0155	0.204

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:

(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.

(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Dioxide	R6	11	23	22	74	10	0	0.0047	0.0196	0.2262	0.2018	0.8668	1.4679	1.0032		0.1908	0.1591	0.5765	1.3377	2.4481	1.2037	0.407	1.6565	0.0197	0	0
Nitrogen Dioxide	R6	11	24	21	74	10	0	0.0048	0.0201	0.2285	0.2039	0.8794	1.4928	1.0177		0.1937	0.1615	0.5848	1.357	2.4835	1.221	0.4128	1.6805	0.0204	0	0
Nitrogen Dioxide	R6	12	1	16	68	10	0	0.0057	0.024	0.2406	0.2146	0.943	1.6209	1.0913		0.2085	0.1738	0.6274	1.4552	2.6633	1.3094	0.4427	1.8021	0.0241	0	0
Nitrogen Dioxide	R6	12	2	16	68	10	0	0.0057	0.0239	0.2403	0.2143	0.9412	1.6175	1.0892		0.2081	0.1734	0.6261	1.4524	2.6581	1.3069	0.4419	1.7986	0.024	0	0
Nitrogen Dioxide	R6	12	3	16	69	10	0	0.0057	0.0239	0.2403	0.2143	0.9412	1.6175	1.0892		0.2081	0.1734	0.6261	1.4524	2.6581	1.3069	0.4419	1.7986	0.024	0	0
Nitrogen Dioxide	R6	12	4	15	70	10	0	0.0058	0.0246	0.2416	0.2154	0.9476	1.6316	1.0967		0.2097	0.1747	0.6305	1.4623	2.6763	1.3158	0.4449	1.8109	0.0245	0	0
Nitrogen Dioxide	R6	12	5	15	70	10	0	0.0058	0.0246	0.2416	0.2154	0.9476	1.6316	1.0967		0.2097	0.1747	0.6305	1.4623	2.6763	1.3158	0.4449	1.8109	0.0245	0	0
Nitrogen Dioxide	R6	12	6	15	70	10	0	0.0058	0.0246	0.2416	0.2154	0.9476	1.6316	1.0967		0.2097	0.1747	0.6305	1.4623	2.6763	1.3158	0.4449	1.8109	0.0245	0	0
Nitrogen Dioxide	R6	12	7	15	70	10	0	0.0058	0.0246	0.2416	0.2154	0.9476	1.6316	1.0967		0.2097	0.1747	0.6305	1.4623	2.6763	1.3158	0.4449	1.8109	0.0245	0	0
Nitrogen Dioxide	R6	12	8	15	69	10	0	0.0059	0.0246	0.2419	0.2157	0.9493	1.6348	1.0986		0.2101	0.175	0.6316	1.465	2.6811	1.3182	0.4457	1.8142	0.0245	0	0
Nitrogen Dioxide	R6	12	9	16	65	10	17	0.0058	0.0242	0.2417	0.2155	0.9485	1.6312	1.0977		0.2098	0.1748	0.631	1.4637	2.6788	1.3171	0.4453	1.8126	0.0243	1.19185	1.92233
Nitrogen Dioxide	R6	12	10	17	62	10	32	0.0056	0.0237	0.2411	0.2151	0.9462	1.6248	1.095		0.2092	0.1743	0.6295	1.4602	2.6723	1.3139	0.4442	1.8082	0.024	1.17778	1.89965
Nitrogen Dioxide	R6	12	11	18	58	10	29	0.0056	0.0234	0.241	0.2151	0.9463	1.6229	1.0951		0.2091	0.1742	0.6295	1.4603	2.6725	1.314	0.4443	1.8083	0.0238	1.1679	1.88371
Nitrogen Dioxide	R6	12	12	19	57	10	28	0.0054	0.0228	0.2398	0.2141	0.9403	1.6097	1.0882		0.2077	0.1731	0.6255	1.451	2.6555	1.3056	0.4414	1.7969	0.0233	1.1627	1.87532
Nitrogen Dioxide	R6	12	13	19	56	10	27	0.0055	0.0229	0.2402	0.2145	0.9425	1.6138	1.0907		0.2082	0.1734	0.627	1.4544	2.6618	1.3087	0.4425	1.8011	0.0234	1.1682	1.88419
Nitrogen Dioxide	R6	12	14	19	56	10	25	0.0055	0.0229	0.2402	0.2145	0.9425	1.6138	1.0907		0.2082	0.1734	0.627	1.4544	2.6618	1.3087	0.4425	1.8011	0.0234	1.1744	1.89419
Nitrogen Dioxide	R6	12	15	19	56	10	29	0.0055	0.0229	0.2402	0.2145	0.9425	1.6138	1.0907		0.2082	0.1734	0.627	1.4544	2.6618	1.3087	0.4425	1.8011	0.0234	1.16285	1.87557
Nitrogen Dioxide	R6	12	16	19	57	10	28	0.0054	0.0228	0.2398	0.2141	0.9403	1.6097	1.0882		0.2077	0.173	0.6255	1.451	2.6555	1.3056	0.4414	1.7969	0.0233	1.1627	1.87532
Nitrogen Dioxide	R6	12	17	18	60	10	31	0.0055	0.0232	0.2402	0.2144	0.9421	1.6151	1.0903		0.2082	0.1734	0.6267	1.4538	2.6607	1.3082	0.4423	1.8004	0.0236	1.17495	1.89507
Nitrogen Dioxide	R6	12	18	18	64	10	27	0.0054	0.0228	0.2387	0.213	0.9337	1.5995	1.0806		0.2025	0.1719	0.6211	1.4409	2.6371	1.2966	0.4384	1.7844	0.0233	1.15747	1.86689
Nitrogen Dioxide	R6	12	19	17	65	10	12	0.0056	0.0235	0.24	0.2141	0.9403	1.6138	1.0882		0.2079	0.1732	0.6256	1.4511	2.6557	1.3057	0.4415	1.797	0.0237	1.1758	1.89645
Nitrogen Dioxide	R6	12	20	17	66	10	0	0.0056	0.0234	0.2397	0.2138	0.9384	1.6102	1.086		0.2074	0.1728	0.6243	1.4481	2.6502	1.303	0.4406	1.7933	0.0237	0	0
Nitrogen Dioxide	R6	12	21	17	66	10	0	0.0056	0.0234	0.2397	0.2138	0.9384	1.6102	1.086		0.2074	0.1728	0.6243	1.4481	2.6502	1.303	0.4406	1.7933	0.0237	0	0
Nitrogen Dioxide	R6	12	22	16	66	10	0	0.0057	0.0241	0.2413	0.2152	0.9467	1.6277	1.0956		0.2094	0.1745	0.6298	1.4609	2.6736	1.3145	0.4444	1.8091	0.0242	0	0
Nitrogen Dioxide	R6	12	23	16	66	10	0	0.0057	0.0241	0.2413	0.2152	0.9467	1.6277	1.0956		0.2094	0.1745	0.6298	1.4609	2.6736	1.3145	0.4444	1.8091	0.0242	0	0
Nitrogen Dioxide	R6	12	24	16	67	10	0	0.0057	0.024	0.241	0.2149	0.9448	1.6243	1.0934		0.209	0.1741	0.6286	1.4581	2.6684	1.312	0.4436	1.8056	0.0241	0	0
Nitrogen Dioxide	R7	1	1	17	77	10	0	0.0054	0.0225	0.2357	0.2105	0.9188	1.5736	1.0633		0.2029	0.1691	0.6112	1.4179	2.5949	1.2758	0.4314	1.7559	0.0228	0	0
Nitrogen Dioxide	R7	1	2	17	77	10	0	0.0054	0.0225	0.2357	0.2102	0.9169	1.57	1.0611		0.2025	0.1688	0.6099	1.4149	2.5894	1.2731	0.4305	1.7521	0.0227	0	0
Nitrogen Dioxide	R7	1	3	17	77	10	0	0.0054	0.0225	0.2357	0.2102	0.9169	1.57	1.0611		0.2025	0.1688	0.6099	1.4149	2.5894	1.2731	0.4305	1.7521	0.0227	0	0
Nitrogen Dioxide	R7	1	4	17	77	10	0	0.0054	0.0225	0.2357	0.2102	0.9169	1.57	1.0611		0.2025	0.1688	0.6099	1.4149	2.5894	1.2731	0.4305	1.7521	0.0227	0	0
Nitrogen Dioxide	R7	1	5	17	78	10	0	0.0053	0.0224	0.2353	0.2099	0.9149	1.5663	1.0588		0.2021	0.1684	0.6086	1.4119	2.5839	1.2704	0.4295	1.7484	0.0226	0	0
Nitrogen Dioxide	R7	1	6	17	77	10	0	0.0054	0.0225	0.2357	0.2102	0.9169	1.57	1.0611		0.2025	0.1688	0.6099	1.4149	2.5894	1.2731	0.4305	1.7521	0.0227	0	0
Nitrogen Dioxide	R7	1	7	16	77	10	0	0.0055	0.0232	0.2376	0.2118	0.9265	1.5901	1.0723		0.2048	0.1707	0.6164	1.4298	2.6167	1.2866	0.433	1.7706	0.0233	0	0
Nitrogen Dioxide	R7	1	8	17	77	10	0	0.0054	0.0225	0.2357	0.2102	0.9169	1.57	1.0611		0.2025	0.1688	0.6099	1.4149	2.5894	1.2731	0.4305	1.7521	0.0227	0	0
Nitrogen Dioxide	R7	1	9	17	73	10	15	0.0054	0.0228	0.2371	0.2115	0.9247	1.5846	1.0701		0.2043	0.1702	0.6151	1.427	2.6115	1.284	0.4341	1.7671	0.0231	1.173	1.89194
Nitrogen Dioxide	R7	1	10	19	69	10	30	0.0052	0.0217	0.2348	0.2096	0.9135	1.5598	1.0572		0.2016	0.168	0.6076	1.4097	2.5799	1.2684	0.4289	1.7457	0.0222	1.14097	1.84027
Nitrogen Dioxide	R7	1	11	20	64	10	27	0.0051	0.0214	0.235	0.2092	0.915	1.5608	1.0589		0.2019	0.1682	0.6086	1.412	2.5841	1.2705	0.4296	1.7486	0.0221	1.13326	1.82783
Nitrogen Dioxide	R7	1	12	21	62	10	26	0.0051	0.0212	0.2341	0.209	0.9099	1.5494	1.0513		0.2006	0.1672	0.6052	1.4041	2.5696	1.2634	0.4272	1.7388	0.0217	1.12937	1.82156
Nitrogen Dioxide	R7	1	13	21	61	10	25	0.0051	0.0213	0.2345	0.2094	0.9124	1.5541	1.0559		0.2012	0.1677	0.6069	1.408	2.5768	1.2669	0.4284	1.7436	0.0218	1.13561	1.83163
Nitrogen Dioxide	R7	1	14	21	62	10	23	0.0051	0.0212	0.2341	0.209	0.9099	1.5494	1.053		0.2006	0.1672	0.6052	1.4041	2.5696	1.2634	0.4272	1.7388	0.0217	1.13933	1.83763
Nitrogen Dioxide	R7	1	15	21	62	10	27	0.0051	0.0212	0.2341	0.209	0.9099	1.5494	1.053		0.2006	0.1672	0.6052	1.4041	2.5696	1.2634	0.4272	1.7388	0.0217	1.12654	1.817
Nitrogen Dioxide	R7	1	16	21	63	10	26	0.005	0.0211	0.2336	0.2086	0.9073	1.5446	1.05		0.2001	0.1667	0.6035	1.4002	2.5624	1.2599	0.426	1.7339	0.0218	1.12609	1.81628
Nitrogen Dioxide	R7	1	17	20	67	10	29	0.005	0.0211	0.2337	0.2087	0.9079	1.5475	1.0506		0.2002	0.1669	0.6038	1.401	2.564	1.2606	0.4262	1.7349	0.0218	1.13627	1.8327
Nitrogen Dioxide	R7	1	18	19	72	10	25	0.0051	0.0212	0.2336	0.2085	0.9068	1.5474	1.0494		0.2001	0.1667	0.6032	1.3993	2.5611	1.2591	0.4257	1.7329	0.0219	1.12908	1.8211
Nitrogen Dioxide	R7	1	19	18	74	10	10	0.0052	0.0219	0.2348	0.2095	0.9128	1.5605	1.0564		0.2015	0.1679	0.6072	1.4087	2.578	1.2675	0.4286	1.7444	0.0223	1.15722	1.86648
Nitrogen Dioxide	R7	1	20	18	74	10	0	0.0052	0.0219	0.2348	0.2095	0.9128	1.5605	1.0564		0.2015	0.1679	0.6072	1.4087	2.578	1.2675	0.4286	1.7444	0.0223	0	0
Nitrogen Dioxide	R7	1	21	18	75	10	0	0.0052	0.0219	0.2344	0.2092	0.9108	1.5566	1.054		0.201	0.1675	0.6058	1.4055	2.5721	1.2646	0.4276	1.7405	0.0223	0	0
Nitrogen Dioxide	R7	1	22	18	76	10	0	0.0052	0.0218	0.234	0.2088	0.9087	1.5527	1.0516		0.2006	0.1672	0.6044	1.4022	2.5662	1.2617	0.4266	1.7365	0.0222	0	0
Nitrogen Dioxide	R7	1	23	18	75	10	0	0.0052	0.0219	0.2344	0.2092	0.9108	1.5566	1.054		0.201	0.1675	0.6058	1.4055	2.5721	1.2646	0.4276	1.7405	0.0223	0	0
Nitrogen Dioxide	R7	1	24	17	76	10	0	0.0054	0.0225	0.236	0.2105	0.9188	1.5736	1.0633		0.2029	0.1691	0.6112	1.4179	2.5949	1.2758	0.4314	1.7559	0.0228	0	0
Nitrogen Dioxide	R7	2	1	17	78	10	0	0.0053	0.0224	0.2353	0.2099	0.9149	1.5663	1.0588		0.2021	0.1684	0.6086	1.4119	2.5839	1.2704	0.4295	1.7484	0.0226	0	0
Nitrogen Dioxide	R7	2	2	17	80	10	0	0.0053	0.0222	0.2346	0.2092	0.911	1.559	1.0543		0.2012	0.1677	0.606	1.4058	2.5728	1.265	0.4277	1.7409	0.0225	0	0
Nitrogen Dioxide	R7	2	3	17	81	10	0	0.0053	0.0221	0.2342	0.2089	0.909	1.5554	1.052		0.2007	0.1673	0.6047	1.4028	2.5673	1.2623	0.4268	1.7372	0.0224	0	0
Nitrogen Dioxide	R7	2	4	17	82	10	0	0.0053	0.022	0.2339	0.2085	0.9071	1.5517	1.0498		0.2003	0.1669	0.6034	1.3998	2.5618	1.2596	0.4259	1.7335	0.0223	0	0
Nitrogen Dioxide	R7	2	5	17	83	10	0	0.0054	0.0228	0.2355	0.21	0.9156	1.5695	1.0596		0.2023	0.1686	0.6091	1.4129	2.5857	1.2713	0.4298	1.7497	0.0228	0	0
Nitrogen Dioxide	R7	2	6	16	83	10	0	0.0054	0.0228	0.2355	0.21	0.9156	1.5695	1.0596		0.2023	0.1686	0.6091	1.4129	2.5857	1.2713	0.4298	1.7497	0.0228	0	0
Nitrogen Dioxide	R7	2	7	16	83	10	0	0.0054	0.0228	0.2355	0.21	0.9156	1.5695	1.0596		0.2023	0.1686	0.6091	1.4129	2.5857	1.2713	0.4298	1.7497	0.0228	0	0
Nitrogen Dioxide	R7	2	8	17	81	10	0	0.0053	0.0221	0.2342	0.2089	0.909	1.5554	1.052		0.2007	0.1673	0.6047	1.4028	2.5673	1.2623	0.4268	1.7372	0.0224	0	0
Nitrogen Dioxide	R7	2	9	18	77	10	15	0.0052	0.0217	0.2337	0.2085	0.9066	1.5489	1.0492		0.2001	0.1668	0.603	1.399	2.5603	1.2588	0.4256	1.7325	0.0221	1.14914	1.85345
Nitrogen Dioxide	R7	2	10	19	73	10	30	0.0051	0.0213	0.2332	0.2081	0.9046	1.5432	1.0468		0.1996	0.1663	0.6017	1.3959	2.5547	1.256	0.4247	1.7286	0.0218	1.12953	1.82183
Nitrogen Dioxide	R7	2	11	20	70	10	27	0.005	0.0211	0.2324	0.2075	0.9007	1.5342	1.0424		0.1986	0.1655	0.5991	1.39	2.5438	1.2507	0.4229	1.7213	0.0215	1.11526	1.79881
Nitrogen Dioxide	R7	2	12	20	68	10	26	0.005	0.021	0.2333	0.2083	0.9055	1.5431	1.0479		0.1997	0.1664	0.6023	1.3973	2.5572	1.2573	0.4251	1.7304	0.0217	1.12408	1.81304
Nitrogen Dioxide	R7	2	13	21	65	10	25	0.005	0.0209	0.2327	0.2077	0.9022	1.5352	1.0441		0.1989	0.1658	0.6001	1.3923	2.5481	1.2528	0.4236	1.7242	0.0213	1.12268	1.81077
Nitrogen Dioxide	R7	2	14	21	65	10	23	0.005	0.0209	0.2327	0.2077	0.9022	1.5352	1.0441		0.1989	0.1658	0.6001	1.3923	2.5481	1.2528	0.4236	1.7242	0.0213	1.12951	1.82179
Nitrogen Dioxide	R7	2	15	21	66	10	27	0.005	0.0208	0.2322	0.2073	0.8997	1.5305	1.0412		0.1983	0.1653	0.5984	1.3884	2.5409	1.2493	0.4224	1.7193	0.0212	1.11369	1.79627
Nitrogen Dioxide	R7	2	16	20	68	10	26	0.005	0.021	0.2333	0.2083	0.9055	1.5431	1.0479		0.1997	0.1664	0.6023	1.3973	2.5572	1.2573	0.4251	1.7304	0.0217	1.12408	1.81304
Nitrogen Dioxide	R7	2	17	20	70	10	29	0.005	0.0209	0.2324	0.2075	0.9007	1.5342	1.0424		0.1986	0.1655	0.5991	1.39	2.5438	1.2507	0.4229	1.7213	0.0215	1.12719	1.81805
Nitrogen Dioxide	R7	2	18	19	74	10	25	0.0051	0.0212	0.2328	0.2077	0.9023	1.5391	1.0442		0.1991	0.1659	0.6002	1.3925	2.5484	1.2529	0.4236	1.7244	0.0217	1.12338	1.81191
Nitrogen Dioxide	R7	2	19	18	76	10	10	0.0052	0.0218	0.234	0.2088	0.9087	1.5527	1.0516		0.2006	0.1672	0.6044	1.4022	2.5662	1.2617	0.4266	1.7365	0.0222	1.15182	1.85277
Nitrogen Dioxide	R7	2	20	18	78	10	0	0.0052	0.0216	0.2333	0.2081	0.9045	1.545	1.0467		0.1996	0.1664	0.6016	1.3958	2.5544	1.2559	0.4246	1.7285	0.022	0	0
Nitrogen Dioxide	R7	2	21	18	78	10	0	0.0052	0.0216	0.2333	0.2081	0.9045	1.545	1.0467		0.1996	0.1664	0.6016	1.3958	2.5544	1.2559	0.4246	1.7285	0.022	0	0
Nitrogen Dioxide	R7	2	22	18	78	10	0	0.0052	0.0216	0.2333	0.2081	0.9045	1.545	1.0467		0.1996	0.1664	0.6016	1.3958	2.5544	1.2559	0.4246	1.7285	0.022	0	0
Nitrogen Dioxide	R7	2	23	18	78	10	0	0.0052	0.0216	0.2333	0.2081	0.9045	1.545	1.0467		0.1996	0.1664	0.6016	1.3958	2.5544	1.2559	0.4246	1.7285	0.022	0	0
Nitrogen Dioxide	R7	2	24	18	78	10	0	0.0052	0.0216	0.2333	0.2081	0.9045	1.545	1.0467		0.1996	0.1664	0.6016	1.3958	2.5544	1.2559	0.4246	1.7285	0.022	0	0
Nitrogen Dioxide	R7	3	1	21	86	10	0	0.0045	0.0189	0.2229	0.1987	0.8489	1.4363	0.9824		0.1867	0.1557	0.5645	1.3099	2.3973	1.1787	0.3985	1.6222	0.0191	0	0
Nitrogen Dioxide	R7	3	2	20	87	10	0	0.0046	0.0194	0.225	0.2006	0.8602	1.459	0.9955		0.1894	0.1579	0.5721	1.3275	2.4294	1.1945	0.4039	1.6439	0.0197	0	0
Nitrogen Dioxide	R7	3	3	20	87	10	0	0.0046	0.0194	0.225	0.2006	0.8602	1.459	0.9955		0.1894	0.1579	0.5721	1.3275	2.4294	1.1945	0.4039	1.6439	0.0197	0	0
Nitrogen Dioxide	R7	3	4	20	87	10	0	0.0046	0.0194	0.225	0.2006	0.8602	1.459	0.9955		0.1894	0.1579	0.5721	1.3275	2.4294	1.1945	0.4039	1.6439	0.0197	0	0
Nitrogen Dioxide	R7	3	5	20	87	10	0	0.0046	0.0194	0.225	0.2006	0.8602	1.459	0.9955		0.1894	0.1579	0.5721	1.3275	2.4294	1.1945	0.4039	1.6439	0.0197	0	0
Nitrogen Dioxide	R7	3	6	20	87	10	0	0.0046	0.0194	0.225	0.2006	0.8602	1.459	0.9955		0.1894	0.1579	0.5721	1.3275	2.4294	1.1945	0.4039	1.6439	0.0197	0	0
Nitrogen Dioxide	R7	3	7	20	87	10	0	0.0046	0.0194	0.225	0.2006	0.8602	1.459	0.9955		0.1894	0.1579	0.5721	1.3275	2.4294	1.1945	0.4039	1.6439	0.0197	0	0
Nitrogen Dioxide	R7	3	8	20	86	10	0	0.0047	0.0195	0.2254	0.201	0.8626	1.4634	0.9983		0.1899	0.1584	0.5737	1.3311	2.4361	1.1978	0.405	1.6484	0.0198	0	0
Nitrogen Dioxide	R7	3	9	21	83	10	15	0.0046	0.0192	0.2243	0.2	0.8565	1.4504	0.9912		0.1888	0.1572	0.5696	1.3247	2.4189	1.1893	0.4021	1.6367	0.0194	1.08304	1.74684
Nitrogen Dioxide	R7	3	10	22	79	10	30	0.0046	0.0191	0.2237	0.1995	0.8533	1.4429	0.9875		0.1877	0.1565	0.5674	1.3168	2.4098	1.1848	0.4006	1.6306	0.0191	1.0634	1.71516
Nitrogen Dioxide	R7	3	11	22	78	10	27	0.0046	0.0192	0.2242	0.1999	0.856	1.4479	0.9906		0.1883	0.157	0.5692	1.3209	2.4175	1.1886	0.4019	1.6358	0.0192	1.05835	1.70701
Nitrogen Dioxide	R7	3	12	23	77	10	26	0.0045	0.0188	0.2222	0.1981	0.8449	1.4258	0.9778		0.1857	0.1549	0.5618	1.3039	2.3862	1.1732	0.3967	1.6147	0.0186	1.04673	1.68826
Nitrogen Dioxide	R7	3	13	23	77	10	25	0.0045	0.0188	0.2222	0.1981	0.8449	1.4258	0.9778		0.1857	0.1549	0.5618	1.3039	2.3862	1.1732	0.3967	1.6147	0.0186	1.04948	1.69271
Nitrogen Dioxide	R7	3	14	23	77	10	23	0.0045	0.0188	0.2222	0.1981	0.8449	1.4258	0.9778		0.1857	0.1549	0.5618	1.3039	2.3862	1.1732	0.3967	1.6147	0.0186	1.05571	1.70276
Nitrogen Dioxide	R7	3	15	23	76	10	27	0.0045	0.0189	0.2227	0.1985	0.8478	1.4312	0.9812		0.1864	0.1555	0.5638	1.3083	2.3944	1.1772	0.398	1.6202	0.0187	1.04787	1.69011
Nitrogen Dioxide	R7	3	16	23	77	10	26	0.0045	0.0188	0.2222	0.1981	0.8449	1.4258	0.9778		0.1857	0.1549	0.5618	1.3039	2.3862	1.1732	0.3967	1.6147	0.0186	1.04672	1.68826
Nitrogen Dioxide	R7	3	17	22	79	10	29	0.0046	0.0191	0.2237	0.1995	0.8533	1.4429	0.9875		0.1877	0.1565	0.5674	1.3168	2.4098	1.1848	0.4006	1.6306	0.0191	1.06602	1.71958
Nitrogen Dioxide	R7	3	18	22	82	10	25	0.0045	0.0188	0.2222	0.1981	0.8452	1.4278	0.9781		0.1858	0.155	0.562	1.3042	2.3869	1.1735	0.3968	1.6151	0.0188	1.05005	1.69363
Nitrogen Dioxide	R7	3	19	21	84	10	10	0.0046	0.0191	0.2238	0.1996	0.8539	1.4457	0.9882		0.1879	0.1567	0.5679	1.3178	2.4117	1.1857	0.4009	1.6319	0.0193	1.0797	1.74145
Nitrogen Dioxide	R7	3

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:

(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.

(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Dioxide	R7	6	4	27	88	10	0	0.0036	0.015	0.2031	0.1806	0.7409	1.2328	0.8575		0.162	0.1354	0.4925	1.1434	2.0925	1.0288	0.3479	1.4159	0.0142	0	0
Nitrogen Dioxide	R7	6	5	27	89	10	0	0.0036	0.0148	0.2024	0.1799	0.7372	1.2259	0.8532		0.1612	0.1347	0.49	1.1377	2.0821	1.0237	0.3461	1.4088	0.014	0	0
Nitrogen Dioxide	R7	6	6	27	90	10	0	0.0035	0.0147	0.2018	0.1793	0.7335	1.2191	0.8489		0.1604	0.134	0.4875	1.1319	2.0716	1.0185	0.3444	1.4017	0.0139	0	0
Nitrogen Dioxide	R7	6	7	28	87	10	0	0.0035	0.0145	0.2001	0.1778	0.7244	1.2022	0.8383		0.1583	0.1322	0.4814	1.1178	2.0457	1.0058	0.3401	1.3843	0.0135	0	0
Nitrogen Dioxide	R7	6	8	29	82	10	0	0.0035	0.0147	0.2001	0.1777	0.724	1.2016	0.8379		0.1582	0.1322	0.4812	1.1173	2.0447	1.0053	0.3399	1.3836	0.0135	0	0
Nitrogen Dioxide	R7	6	9	29	79	10	15	0.0037	0.0152	0.2024	0.1798	0.7366	1.2247	0.8524		0.1611	0.1345	0.4896	1.1366	2.0802	1.0228	0.3458	1.4076	0.014	0.92686	1.49494
Nitrogen Dioxide	R7	6	10	30	76	10	30	0.0036	0.0151	0.2012	0.1787	0.7296	1.2118	0.8443		0.1595	0.1332	0.4849	1.1259	2.0605	1.0131	0.3425	1.3942	0.0137	0.90555	1.46056
Nitrogen Dioxide	R7	6	11	30	75	10	27	0.0037	0.0153	0.202	0.1794	0.734	1.22	0.8495		0.1605	0.1341	0.4879	1.1327	2.073	1.0192	0.3446	1.4027	0.0139	0.90439	1.45869
Nitrogen Dioxide	R7	6	12	30	74	10	26	0.0037	0.0155	0.2029	0.1801	0.7385	1.2282	0.8546		0.1615	0.1349	0.4908	1.1396	2.0856	1.0254	0.3467	1.4112	0.0141	0.91208	1.47109
Nitrogen Dioxide	R7	6	13	31	73	10	25	0.0036	0.0151	0.2001	0.1776	0.7282	1.2001	0.8357		0.158	0.1321	0.4807	1.1161	2.0425	1.0042	0.3395	1.3821	0.0135	0.89551	1.4437
Nitrogen Dioxide	R7	6	14	31	72	10	23	0.0037	0.0153	0.201	0.1784	0.7279	1.2088	0.8424		0.1591	0.133	0.4838	1.1233	2.0558	1.0108	0.3418	1.3911	0.0137	0.90612	1.46149
Nitrogen Dioxide	R7	6	15	30	74	10	27	0.0037	0.0155	0.2029	0.1801	0.7385	1.2282	0.8546		0.1615	0.1349	0.4908	1.1396	2.0856	1.0254	0.3467	1.4112	0.0141	0.90995	1.46766
Nitrogen Dioxide	R7	6	16	30	74	10	26	0.0037	0.0155	0.2029	0.1801	0.7385	1.2282	0.8546		0.1615	0.1349	0.4908	1.1396	2.0856	1.0254	0.3467	1.4112	0.0141	0.91208	1.47109
Nitrogen Dioxide	R7	6	17	30	75	10	29	0.0037	0.0153	0.202	0.1794	0.734	1.22	0.8495		0.1605	0.1341	0.4879	1.1327	2.073	1.0192	0.3446	1.4027	0.0139	0.91338	1.47319
Nitrogen Dioxide	R7	6	18	29	79	10	25	0.0037	0.0152	0.2024	0.1798	0.7366	1.2247	0.8524		0.1611	0.1345	0.4896	1.1366	2.0802	1.0228	0.3458	1.4076	0.014	0.91197	1.47092
Nitrogen Dioxide	R7	6	19	29	81	10	10	0.0036	0.0148	0.2009	0.1784	0.7282	1.2093	0.8427		0.1592	0.133	0.484	1.1237	2.0565	1.0111	0.3419	1.3916	0.0137	0.91602	1.47745
Nitrogen Dioxide	R7	6	20	28	83	10	0	0.0036	0.0151	0.203	0.1804	0.7401	1.2513	0.8565		0.1619	0.1352	0.4919	1.1422	2.0903	1.0277	0.3475	1.4144	0.0141	0	0
Nitrogen Dioxide	R7	6	21	28	85	10	0	0.0036	0.0148	0.2016	0.1791	0.7323	1.2168	0.8474		0.1601	0.1337	0.4867	1.13	2.068	1.0168	0.3438	1.3993	0.0138	0	0
Nitrogen Dioxide	R7	6	22	28	86	10	0	0.0035	0.0147	0.2009	0.1784	0.7283	1.2095	0.8429		0.1592	0.133	0.4841	1.1239	2.0569	1.0113	0.3419	1.3918	0.0137	0	0
Nitrogen Dioxide	R7	6	23	28	87	10	0	0.0035	0.0145	0.2001	0.1778	0.7244	1.2022	0.8383		0.1583	0.1322	0.4814	1.1178	2.0457	1.0058	0.3401	1.3843	0.0135	0	0
Nitrogen Dioxide	R7	6	24	28	87	10	0	0.0035	0.0145	0.2001	0.1778	0.7244	1.2022	0.8383		0.1583	0.1322	0.4814	1.1178	2.0457	1.0058	0.3401	1.3843	0.0135	0	0
Nitrogen Dioxide	R7	7	1	28	84	10	0	0.0036	0.015	0.2023	0.1798	0.7362	1.224	0.852		0.161	0.1345	0.4893	1.1361	2.0792	1.0223	0.3456	1.4069	0.014	0	0
Nitrogen Dioxide	R7	7	2	28	84	10	0	0.0036	0.015	0.2023	0.1798	0.7362	1.224	0.852		0.161	0.1345	0.4893	1.1361	2.0792	1.0223	0.3456	1.4069	0.014	0	0
Nitrogen Dioxide	R7	7	3	28	86	10	0	0.0035	0.0147	0.2009	0.1784	0.7283	1.2095	0.8429		0.1592	0.133	0.4841	1.1239	2.0569	1.0113	0.3419	1.3918	0.0137	0	0
Nitrogen Dioxide	R7	7	4	28	86	10	0	0.0035	0.0147	0.2009	0.1784	0.7283	1.2095	0.8429		0.1592	0.133	0.4841	1.1239	2.0569	1.0113	0.3419	1.3918	0.0137	0	0
Nitrogen Dioxide	R7	7	5	28	88	10	0	0.0035	0.0144	0.1994	0.1771	0.7204	1.195	0.8337		0.1574	0.1315	0.4788	1.1117	2.0346	1.0004	0.3382	1.3767	0.0133	0	0
Nitrogen Dioxide	R7	7	6	27	88	10	0	0.0036	0.015	0.2031	0.1806	0.7409	1.2328	0.8575		0.162	0.1354	0.4925	1.1434	2.0925	1.0288	0.3479	1.4159	0.0142	0	0
Nitrogen Dioxide	R7	7	7	28	86	10	0	0.0035	0.0147	0.2009	0.1784	0.7283	1.2095	0.8429		0.1592	0.133	0.4841	1.1239	2.0569	1.0113	0.3419	1.3918	0.0137	0	0
Nitrogen Dioxide	R7	7	8	29	81	10	0	0.0036	0.0148	0.2009	0.1784	0.7282	1.2093	0.8427		0.1592	0.133	0.484	1.1237	2.0565	1.0111	0.3419	1.3916	0.0137	0	0
Nitrogen Dioxide	R7	7	9	30	76	10	15	0.0036	0.0151	0.2012	0.1787	0.7296	1.2118	0.8443		0.1595	0.1332	0.4849	1.1259	2.0605	1.0131	0.3425	1.3942	0.0137	0.9178	1.48032
Nitrogen Dioxide	R7	7	10	31	70	10	30	0.0038	0.0157	0.2027	0.18	0.7374	1.2262	0.8533		0.1612	0.1347	0.4901	1.1379	2.0825	1.0239	0.3462	1.4091	0.0141	0.91545	1.47653
Nitrogen Dioxide	R7	7	11	31	68	10	27	0.0039	0.0161	0.2045	0.1815	0.7468	1.2436	0.8643		0.1634	0.1365	0.4964	1.1524	2.1091	1.037	0.3506	1.4271	0.0144	0.92049	1.48467
Nitrogen Dioxide	R7	7	12	32	67	10	26	0.0038	0.0158	0.2019	0.1792	0.7326	1.2174	0.8478		0.1602	0.1339	0.4869	1.1305	2.0689	1.0172	0.3439	1.3999	0.0139	0.90466	1.45913
Nitrogen Dioxide	R7	7	13	32	66	10	25	0.0038	0.016	0.2028	0.18	0.7376	1.2266	0.8536		0.1613	0.1348	0.4902	1.1382	2.083	1.0242	0.3463	1.4095	0.0141	0.91328	1.47303
Nitrogen Dioxide	R7	7	14	32	66	10	23	0.0038	0.016	0.2028	0.18	0.7376	1.2266	0.8536		0.1613	0.1348	0.4902	1.1382	2.083	1.0242	0.3463	1.4095	0.0141	0.91847	1.4814
Nitrogen Dioxide	R7	7	15	31	68	10	27	0.0039	0.0161	0.2045	0.1815	0.7468	1.2436	0.8643		0.1634	0.1365	0.4964	1.1524	2.1091	1.037	0.3506	1.4271	0.0144	0.92049	1.48467
Nitrogen Dioxide	R7	7	16	31	69	10	26	0.0038	0.0159	0.2036	0.1808	0.7421	1.2349	0.8588		0.1623	0.1356	0.4932	1.1452	2.0958	1.0304	0.3484	1.4181	0.0142	0.91666	1.47849
Nitrogen Dioxide	R7	7	17	31	70	10	29	0.0038	0.0157	0.2027	0.18	0.7374	1.2262	0.8533		0.1612	0.1347	0.4901	1.1379	2.0825	1.0239	0.3462	1.4091	0.0141	0.91759	1.47999
Nitrogen Dioxide	R7	7	18	30	73	10	25	0.0038	0.0157	0.2037	0.1809	0.7429	1.2364	0.8598		0.1625	0.1357	0.4938	1.1464	2.0981	1.0316	0.3488	1.4197	0.0143	0.92006	1.48396
Nitrogen Dioxide	R7	7	19	29	76	10	10	0.0038	0.0157	0.2048	0.1819	0.7491	1.2479	0.8669		0.1639	0.1369	0.4979	1.156	2.1157	1.0402	0.3517	1.4316	0.0145	0.9431	1.52113
Nitrogen Dioxide	R7	7	20	29	79	10	0	0.0037	0.0152	0.2024	0.1798	0.7366	1.2247	0.8524		0.1611	0.1345	0.4896	1.1366	2.0802	1.0228	0.3458	1.4076	0.014	0	0
Nitrogen Dioxide	R7	7	21	29	81	10	0	0.0036	0.0148	0.2009	0.1784	0.7282	1.2093	0.8427		0.1592	0.133	0.484	1.1237	2.0565	1.0111	0.3419	1.3916	0.0137	0	0
Nitrogen Dioxide	R7	7	22	29	82	10	0	0.0035	0.0147	0.2001	0.1777	0.724	1.2016	0.8379		0.1582	0.1322	0.4812	1.1173	2.0447	1.0053	0.3399	1.3836	0.0135	0	0
Nitrogen Dioxide	R7	7	23	28	83	10	0	0.0036	0.0151	0.203	0.1804	0.7401	1.2513	0.8565		0.1619	0.1352	0.4919	1.1422	2.0903	1.0277	0.3475	1.4144	0.0141	0	0
Nitrogen Dioxide	R7	7	24	28	84	10	0	0.0036	0.015	0.2023	0.1798	0.7362	1.224	0.852		0.161	0.1345	0.4893	1.1361	2.0792	1.0223	0.3456	1.4069	0.014	0	0
Nitrogen Dioxide	R8	1	1	27	90	10	0	0.0035	0.0147	0.2018	0.1793	0.7335	1.2191	0.8489		0.1604	0.134	0.4875	1.1319	2.0716	1.0185	0.3444	1.4017	0.0139	0	0
Nitrogen Dioxide	R8	2	2	26	90	10	0	0.0037	0.0154	0.2054	0.1827	0.7535	1.2558	0.8719		0.1649	0.1377	0.5008	1.1627	2.1279	1.0462	0.3537	1.4398	0.0147	0	0
Nitrogen Dioxide	R8	3	3	26	91	10	0	0.0037	0.0152	0.2047	0.1821	0.75	1.2494	0.8679		0.1641	0.137	0.4985	1.1573	2.118	1.0414	0.3521	1.4332	0.0143	0	0
Nitrogen Dioxide	R8	4	4	26	92	10	0	0.0036	0.0151	0.2041	0.1815	0.7465	1.243	0.8639		0.1633	0.1364	0.4962	1.1519	2.1082	1.0365	0.3505	1.4265	0.0144	0	0
Nitrogen Dioxide	R8	5	5	26	93	10	0	0.0036	0.0149	0.2035	0.1809	0.743	1.2365	0.8598		0.1625	0.1357	0.4938	1.1466	2.0983	1.0317	0.3488	1.4198	0.0143	0	0
Nitrogen Dioxide	R8	6	6	26	94	10	0	0.0036	0.0148	0.2028	0.1803	0.7395	1.2301	0.8558		0.1617	0.1351	0.4915	1.1412	2.0885	1.0268	0.3472	1.4132	0.0141	0	0
Nitrogen Dioxide	R8	7	7	26	93	10	0	0.0036	0.0149	0.2035	0.1809	0.743	1.2365	0.8598		0.1625	0.1357	0.4938	1.1466	2.0983	1.0317	0.3488	1.4198	0.0143	0	0
Nitrogen Dioxide	R8	8	8	27	87	10	0	0.0036	0.0151	0.2038	0.1812	0.7446	1.2396	0.8618		0.1629	0.136	0.495	1.1491	2.103	1.034	0.3496	1.423	0.0143	0	0
Nitrogen Dioxide	R8	9	9	29	81	10	15	0.0036	0.0148	0.2009	0.1784	0.7282	1.2093	0.8427		0.1592	0.133	0.484	1.1237	2.0565	1.0111	0.3419	1.3916	0.0137	0.91602	1.47745
Nitrogen Dioxide	R8	10	10	30	76	10	30	0.0036	0.0151	0.2012	0.1787	0.7296	1.2118	0.8443		0.1595	0.1332	0.4849	1.1259	2.0605	1.0131	0.3425	1.3942	0.0137	0.90555	1.46056
Nitrogen Dioxide	R8	11	11	30	73	10	27	0.0038	0.0157	0.2037	0.1809	0.7429	1.2364	0.8598		0.1625	0.1357	0.4938	1.1464	2.0981	1.0316	0.3488	1.4197	0.0143	0.91559	1.47676
Nitrogen Dioxide	R8	12	12	30	73	10	26	0.0038	0.0157	0.2037	0.1809	0.7429	1.2364	0.8598		0.1625	0.1357	0.4938	1.1464	2.0981	1.0316	0.3488	1.4197	0.0143	0.91774	1.48022
Nitrogen Dioxide	R8	13	13	30	74	10	25	0.0037	0.0155	0.2029	0.1801	0.7385	1.2282	0.8546		0.1615	0.1349	0.4908	1.1396	2.0856	1.0254	0.3467	1.4112	0.0141	0.91438	1.4748
Nitrogen Dioxide	R8	14	14	30	74	10	23	0.0037	0.0155	0.2029	0.1801	0.7385	1.2282	0.8546		0.1615	0.1349	0.4908	1.1396	2.0856	1.0254	0.3467	1.4112	0.0141	0.91957	1.48318
Nitrogen Dioxide	R8	15	15	30	75	10	27	0.0037	0.0153	0.202	0.1794	0.734	1.22	0.8495		0.1605	0.1341	0.4879	1.1327	2.073	1.0192	0.3446	1.4027	0.0139	0.90439	1.45869
Nitrogen Dioxide	R8	16	16	29	79	10	26	0.0037	0.0152	0.2024	0.1798	0.7366	1.2247	0.8524		0.1611	0.1345	0.4896	1.1366	2.0802	1.0228	0.3458	1.4076	0.014	0.91197	1.47092
Nitrogen Dioxide	R8	17	17	29	79	10	29	0.0037	0.0152	0.2024	0.1798	0.7366	1.2247	0.8524		0.1611	0.1345	0.4896	1.1366	2.0802	1.0228	0.3458	1.4076	0.014	0.91659	1.47837
Nitrogen Dioxide	R8	18	18	28	80	10	25	0.0038	0.0156	0.2052	0.1824	0.7521	1.2531	0.8702		0.1646	0.1374	0.4998	1.1604	2.1237	1.0442	0.353	1.457	0.0146	0.93146	1.50236
Nitrogen Dioxide	R8	19	19	28	84	10	10	0.0037	0.0153	0.2038	0.1811	0.7441	1.2386	0.8611		0.1628	0.1359	0.4946	1.1483	2.1014	1.0332	0.3493	1.4219	0.0143	0.9366	1.51065
Nitrogen Dioxide	R8	20	20	28	84	10	0	0.0036	0.015	0.2023	0.1798	0.7362	1.224	0.852		0.161	0.1345	0.4893	1.1361	2.0792	1.0223	0.3456	1.4069	0.014	0	0
Nitrogen Dioxide	R8	21	21	27	85	10	0	0.0038	0.0154	0.2052	0.1824	0.7521	1.2533	0.8703		0.1646	0.1374	0.4999	1.1606	2.1241	1.0443	0.3531	1.4372	0.0146	0	0
Nitrogen Dioxide	R8	22	22	27	87	10	0	0.0036	0.0151	0.2038	0.1812	0.7446	1.2396	0.8618		0.1629	0.136	0.495	1.1491	2.103	1.034	0.3496	1.423	0.0143	0	0
Nitrogen Dioxide	R8	23	23	27	88	10	0	0.0036	0.015	0.2031	0.1806	0.7409	1.2328	0.8575		0.162	0.1354	0.4925	1.1434	2.0925	1.0288	0.3479	1.4159	0.0142	0	0
Nitrogen Dioxide	R8	24	24	27	89	10	0	0.0036	0.0148	0.2024	0.1799	0.7372	1.2259	0.8532		0.1612	0.1347	0.49	1.1377	2.0821	1.0237	0.3461	1.4088	0.014	0	0
Nitrogen Dioxide	R9	1	1	27	89	10	0	0.0036	0.0148	0.2024	0.1799	0.7372	1.2259	0.8532		0.1612	0.1347	0.49	1.1377	2.0821	1.0237	0.3461	1.4088	0.014	0	0
Nitrogen Dioxide	R9	2	2	26	89	10	0	0.0037	0.0155	0.206	0.1833	0.7569	1.2623	0.876		0.1657	0.1384	0.5032	1.1681	2.1377	1.0511	0.3554	1.4465	0.0148	0	0
Nitrogen Dioxide	R9	3	3	26	91	10	0	0.0037	0.0152	0.2047	0.1821	0.75	1.2494	0.8679		0.1641	0.137	0.4985	1.1573	2.118	1.0414	0.3521	1.4332	0.0143	0	0
Nitrogen Dioxide	R9	4	4	26	92	10	0	0.0036	0.0151	0.2041	0.1815	0.7465	1.243	0.8639		0.1633	0.1364	0.4962	1.1519	2.1082	1.0365	0.3505	1.4265	0.0144	0	0
Nitrogen Dioxide	R9	5	5	26	92	10	0	0.0036	0.0151	0.2041	0.1815	0.7465	1.243	0.8639		0.1633	0.1364	0.4962	1.1519	2.1082	1.0365	0.3505	1.4265	0.0144	0	0
Nitrogen Dioxide	R9	6	6	26	93	10	0	0.0036	0.0149	0.2035	0.1809	0.743	1.2365	0.8598		0.1625	0.1357	0.4938	1.1466	2.0983	1.0317	0.3488	1.4198	0.0143	0	0
Nitrogen Dioxide	R9	7	7	26	93	10	0	0.0036	0.0149	0.2035	0.1809	0.743	1.2365	0.8598		0.1625	0.1357	0.4938	1.1466	2.0983	1.0317	0.3488	1.4198	0.0143	0	0
Nitrogen Dioxide	R9	8	8	27	88	10	0	0.0036	0.015	0.2031	0.1806	0.7409	1.2328	0.8575		0.162	0.1354	0.4925	1.1434	2.0925	1.0288	0.3479	1.4159	0.0142	0	0
Nitrogen Dioxide	R9	9	9	28	83	10	15	0.0036	0.0151	0.203	0.1804	0.7401	1.2513	0.8565		0.1619	0.1352	0.4919	1.1422	2.0903	1.0277	0.3475	1.4144	0.0141	0.93146	1.50235
Nitrogen Dioxide	R9	10	10	29	78	10	30	0.0037	0.0153	0.2032	0.1805	0.7408	1.2324	0.8573		0.162	0.1353	0.4924	1.1431	2.092	1.0286	0.3478	1.4156	0.0142	0.91982	1.48358
Nitrogen Dioxide	R9	11	11	29	76	10	27	0.0038	0.0157	0.2048	0.1819	0.7491	1.2479	0.8669		0.1639	0.1369	0.4979	1.156	2.1157	1.0402	0.3517	1.4316	0.0145	0.92334	1.48927
Nitrogen Dioxide	R9	12	12	29	76	10	26	0.0038	0.0157	0.2048	0.1819	0.7491	1.2479	0.8669		0.1639	0.1369	0.4979	1.156	2.1157	1.0402	0.3517	1.4316	0.0145	0.92552	1.49277
Nitrogen Dioxide	R9	13	13	30	75	10	25	0.0037	0.0153	0.202	0.1794	0.734	1.22	0.8495		0.1605	0.1341	0.4879	1.1327	2.073	1.0192	0.3446	1.4027	0.0139	0.90878	1.46577
Nitrogen Dioxide	R9	14	14	29	75	10	23	0.0038	0.0159	0.2055	0.1826	0.7533	1.2556	0.8718		0.1649	0.1377	0.5007	1.1625	2.1275	1.046	0.3537	1.4396	0.0147	0.93855	1.51379
Nitrogen Dioxide	R9	15	15	29	77	10	27	0.0037	0.0155	0.204	0.1812	0.7449	1.2402	0.8621		0.1631	0.1361	0.4952	1.1496	2.1039	1.0344	0.3497	1.4236	0.0144	0.91811	1.48083
Nitrogen Dioxide	R9	16	16	29	76	10	26	0.0038	0.0157	0.2048	0.1819	0.7491	1.2479	0.8669		0.1639	0.1369	0.4979	1.156	2.1157	1.0402	0.3517	1.4316	0.0145	0.92552	1.49277
Nitrogen Dioxide	R9	17	17	29	78	10	29	0.0037	0.0153	0.2032	0.1805	0.7408	1.2324	0.8573		0.162	0.1353	0.4924	1.1431	2.092	1.0286	0.3478	1.4156	0.0142	0.92197	1.48705
Nitrogen Dioxide	R9	18	18	28	81	10	25	0.0037	0.0154	0.2045	0.1818	0.748	1.2458	0.8657		0.1637	0.1367	0.4972	1.1543	2.1126	1.0387	0.3512	1.4295	0.0145	0.92652	1.49438
Nitrogen Dioxide	R9	19	19	27	84	10	10	0.0037	0.0156	0.2059	0.1831	0.7558	1.2601	0.8746		0.1654	0.1381	0.5024	1.1663	2.1345	1.0494	0.3548	1.4443	0.0148	0.9517	1.535
Nitrogen Dioxide	R9	20	20	27	86	10	0	0.0037	0.0153	0.2045	0.1818	0.7484	1.2464	0.8661		0.1637	0.1367	0.4974	1.1548	2.1135	1.0391	0.3513	1.4301	0.0145	0	0
Nitrogen Dioxide	R9	21	21	27	87	10	0	0.0036	0.0151	0.2038	0.1812	0.7446	1.2396	0.8618		0.1629	0.136	0.495	1.1491	2.103	1.034	0.3496	1.423	0.0143	0	0
Nitrogen Dioxide	R9	22	22	27	89	10	0	0.0036	0.0148	0.2024	0.1799	0.7372	1.2259	0.8532		0.1612	0.1347	0.49	1.1377	2.0821	1.0237	0.3461	1.4088	0.014	0	0
Nitrogen Dioxide	R9	23	23	27	89	10	0	0.0036	0.0148	0.2024	0.1799	0.7372	1.2259	0.8532		0.1612	0.1347	0.49	1.1377	2.0821	1.0237	0.3461	1.4088	0.014	0	0
Nitrogen Dioxide	R9	24	24	26	89	10	0	0.0037	0.0155	0.206	0.1833	0.7569	1.2623	0.876		0.1657	0.1384	0.5032	1.1681	2.1377	1.0511	0.3554	1.4465	0.0148	0	0
Nitrogen Dioxide	R10	1	1	24	74	10	0

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:

(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.

(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Dioxide	R7	12	9	16	65	10	15	0.0058	0.0242	0.2417	0.2155	0.9485	1.6312	1.0977		0.2098	0.1748	0.631	1.4637	2.6788	1.3171	0.4453	1.8126	0.0243	1.2044	1.94258
Nitrogen Dioxide	R7	12	10	17	62	10	30	0.0056	0.0237	0.2411	0.2151	0.9462	1.6248	1.095		0.2092	0.1743	0.6295	1.4602	2.6723	1.3139	0.4442	1.8082	0.024	1.1833	1.90855
Nitrogen Dioxide	R7	12	11	18	58	10	22	0.0056	0.0234	0.241	0.2151	0.9463	1.6229	1.0951		0.2091	0.1742	0.6295	1.4603	2.6725	1.314	0.4443	1.8083	0.0238	1.17329	1.89241
Nitrogen Dioxide	R7	12	12	19	57	10	26	0.0054	0.0228	0.2398	0.2141	0.9403	1.6097	1.0882		0.2077	0.1731	0.6255	1.451	2.6555	1.3056	0.4414	1.7969	0.0233	1.16843	1.88457
Nitrogen Dioxide	R7	12	13	19	56	10	25	0.0055	0.0229	0.2402	0.2145	0.9425	1.6138	1.0907		0.2082	0.1734	0.627	1.4544	2.6618	1.3087	0.4425	1.8011	0.0234	1.1744	1.89419
Nitrogen Dioxide	R7	12	14	19	56	10	23	0.0055	0.0229	0.2402	0.2145	0.9425	1.6138	1.0907		0.2082	0.1734	0.627	1.4544	2.6618	1.3087	0.4425	1.8011	0.0234	1.18167	1.90593
Nitrogen Dioxide	R7	12	15	19	56	10	27	0.0055	0.0229	0.2402	0.2145	0.9425	1.6138	1.0907		0.2082	0.1734	0.627	1.4544	2.6618	1.3087	0.4425	1.8011	0.0234	1.1682	1.88419
Nitrogen Dioxide	R7	12	16	19	57	10	26	0.0054	0.0228	0.2398	0.2141	0.9403	1.6097	1.0882		0.2077	0.1731	0.6255	1.451	2.6555	1.3056	0.4414	1.7969	0.0233	1.16843	1.88457
Nitrogen Dioxide	R7	12	17	18	60	10	29	0.0055	0.0232	0.2402	0.2144	0.9421	1.6151	1.0903		0.2082	0.1734	0.6267	1.4538	2.6607	1.3082	0.4423	1.8004	0.0236	1.18078	1.90449
Nitrogen Dioxide	R7	12	18	17	64	10	25	0.0054	0.0228	0.2387	0.2133	0.9337	1.5995	1.0806		0.2063	0.1719	0.6211	1.4409	2.6371	1.2986	0.4384	1.7844	0.0233	1.16362	1.87681
Nitrogen Dioxide	R7	12	19	17	65	10	10	0.0056	0.0235	0.24	0.2141	0.9403	1.6138	1.0882		0.2079	0.1732	0.6256	1.4511	2.6557	1.3057	0.4415	1.797	0.0237	1.19332	1.92471
Nitrogen Dioxide	R7	12	20	17	66	10	0	0.0056	0.0234	0.2397	0.2138	0.9384	1.6102	1.086		0.2074	0.1728	0.6243	1.4481	2.6502	1.303	0.4406	1.7933	0.0237	0	0
Nitrogen Dioxide	R7	12	21	17	66	10	0	0.0056	0.0234	0.2397	0.2138	0.9384	1.6102	1.086		0.2074	0.1728	0.6243	1.4481	2.6502	1.303	0.4406	1.7933	0.0237	0	0
Nitrogen Dioxide	R7	12	22	16	66	10	0	0.0057	0.0241	0.2413	0.2152	0.9467	1.6277	1.0956		0.2094	0.1745	0.6298	1.4609	2.6736	1.3145	0.4444	1.8091	0.0242	0	0
Nitrogen Dioxide	R7	12	23	16	66	10	0	0.0057	0.0241	0.2413	0.2152	0.9467	1.6277	1.0956		0.2094	0.1745	0.6298	1.4609	2.6736	1.3145	0.4444	1.8091	0.0242	0	0
Nitrogen Dioxide	R7	12	24	16	67	10	0	0.0057	0.024	0.241	0.2149	0.9448	1.6243	1.0934		0.209	0.1741	0.6286	1.4581	2.6684	1.312	0.4436	1.8056	0.0241	0	0
Nitrogen Dioxide	R9	1	1	17	76	10	0	0.0054	0.0225	0.236	0.2105	0.9188	1.5736	1.0633		0.2029	0.1691	0.6112	1.4179	2.5949	1.2758	0.4314	1.7559	0.0228	0	0
Nitrogen Dioxide	R9	1	2	17	77	10	0	0.0054	0.0225	0.2357	0.2102	0.9169	1.57	1.0611		0.2025	0.1688	0.6099	1.4149	2.5894	1.2731	0.4305	1.7521	0.0227	0	0
Nitrogen Dioxide	R9	1	3	17	77	10	0	0.0054	0.0225	0.2357	0.2102	0.9169	1.57	1.0611		0.2025	0.1688	0.6099	1.4149	2.5894	1.2731	0.4305	1.7521	0.0227	0	0
Nitrogen Dioxide	R9	1	4	17	77	10	0	0.0054	0.0225	0.2357	0.2102	0.9169	1.57	1.0611		0.2025	0.1688	0.6099	1.4149	2.5894	1.2731	0.4305	1.7521	0.0227	0	0
Nitrogen Dioxide	R9	1	5	17	78	10	0	0.0053	0.0224	0.2353	0.2099	0.9149	1.5643	1.0588		0.2021	0.1684	0.6086	1.4119	2.5839	1.2704	0.4295	1.7484	0.0226	0	0
Nitrogen Dioxide	R9	1	6	17	77	10	0	0.0054	0.0225	0.2357	0.2102	0.9169	1.57	1.0611		0.2025	0.1688	0.6099	1.4149	2.5894	1.2731	0.4305	1.7521	0.0227	0	0
Nitrogen Dioxide	R9	1	7	16	77	10	0	0.0055	0.0232	0.2376	0.2118	0.9265	1.5901	1.0723		0.2048	0.1707	0.6164	1.4298	2.6167	1.2866	0.435	1.7706	0.0233	0	0
Nitrogen Dioxide	R9	1	8	17	77	10	0	0.0054	0.0225	0.2357	0.2102	0.9169	1.57	1.0611		0.2025	0.1688	0.6099	1.4149	2.5894	1.2731	0.4305	1.7521	0.0227	0	0
Nitrogen Dioxide	R9	1	9	17	73	10	2	0.0054	0.0228	0.2371	0.2115	0.9247	1.5846	1.0701		0.2043	0.1702	0.6151	1.427	2.6115	1.284	0.4341	1.7671	0.0231	1.0701	1.72597
Nitrogen Dioxide	R9	1	10	19	69	10	2	0.0052	0.0217	0.2348	0.2096	0.9135	1.5598	1.0572		0.2016	0.168	0.6076	1.4097	2.5799	1.2684	0.4289	1.7457	0.0223	1.0572	1.70516
Nitrogen Dioxide	R9	1	11	20	64	10	2	0.0051	0.0214	0.2335	0.2086	0.9073	1.5608	1.0589		0.2019	0.1682	0.6086	1.412	2.5841	1.2705	0.4296	1.7486	0.0221	1.0589	1.71079
Nitrogen Dioxide	R9	1	12	21	62	10	2	0.0051	0.0212	0.2341	0.209	0.9099	1.5494	1.053		0.2006	0.1672	0.6052	1.4041	2.5696	1.2634	0.4272	1.7388	0.0217	1.053	1.69839
Nitrogen Dioxide	R9	1	13	21	61	10	2	0.0051	0.0213	0.2345	0.2094	0.9124	1.5541	1.0559		0.2012	0.1677	0.6069	1.408	2.5768	1.2669	0.4284	1.7436	0.0218	1.0559	1.70306
Nitrogen Dioxide	R9	1	14	21	62	10	2	0.0051	0.0212	0.2341	0.209	0.9099	1.5494	1.053		0.2006	0.1672	0.6052	1.4041	2.5696	1.2634	0.4272	1.7388	0.0217	1.053	1.69839
Nitrogen Dioxide	R9	1	15	21	62	10	2	0.0051	0.0212	0.2341	0.209	0.9099	1.5494	1.053		0.2006	0.1672	0.6052	1.4041	2.5696	1.2634	0.4272	1.7388	0.0217	1.053	1.69839
Nitrogen Dioxide	R9	1	16	21	63	10	2	0.005	0.0211	0.2336	0.2086	0.9073	1.5446	1.05		0.2001	0.1667	0.6053	1.4002	2.5624	1.2599	0.426	1.7339	0.0216	1.05	1.69355
Nitrogen Dioxide	R9	1	17	20	67	10	2	0.005	0.0211	0.2337	0.2087	0.9079	1.5475	1.0506		0.2002	0.1669	0.6038	1.401	2.564	1.2606	0.4262	1.7349	0.0218	1.0506	1.69452
Nitrogen Dioxide	R9	1	18	19	72	10	2	0.0051	0.0214	0.2336	0.2085	0.9068	1.5474	1.0494		0.2001	0.1667	0.6032	1.3993	2.561	1.2591	0.4257	1.7329	0.0219	1.0494	1.69258
Nitrogen Dioxide	R9	1	19	18	74	10	2	0.0052	0.0219	0.2348	0.2095	0.9128	1.5605	1.0564		0.2015	0.1679	0.6072	1.4087	2.578	1.2675	0.4286	1.7444	0.0223	1.0564	1.70387
Nitrogen Dioxide	R9	1	20	18	74	10	0	0.0052	0.0219	0.2348	0.2095	0.9128	1.5605	1.0564		0.2015	0.1679	0.6072	1.4087	2.578	1.2675	0.4286	1.7444	0.0223	0	0
Nitrogen Dioxide	R9	1	21	18	75	10	0	0.0052	0.0219	0.2344	0.2092	0.9108	1.5566	1.054		0.201	0.1675	0.6058	1.4055	2.5721	1.2646	0.4276	1.7405	0.0223	0	0
Nitrogen Dioxide	R9	1	22	18	76	10	0	0.0052	0.0218	0.234	0.2088	0.9087	1.5527	1.0516		0.2006	0.1672	0.6044	1.4022	2.5662	1.2617	0.4266	1.7365	0.0222	0	0
Nitrogen Dioxide	R9	1	23	18	75	10	0	0.0052	0.0219	0.2344	0.2092	0.9108	1.5566	1.054		0.201	0.1675	0.6058	1.4055	2.5721	1.2646	0.4276	1.7405	0.0223	0	0
Nitrogen Dioxide	R9	1	24	17	76	10	0	0.0054	0.0225	0.236	0.2105	0.9188	1.5736	1.0633		0.2029	0.1691	0.6112	1.4179	2.5949	1.2758	0.4314	1.7559	0.0228	0	0
Nitrogen Dioxide	R9	2	1	17	78	10	0	0.0053	0.0224	0.2353	0.2099	0.9149	1.5643	1.0588		0.2021	0.1684	0.6086	1.4119	2.5839	1.2704	0.4295	1.7484	0.0226	0	0
Nitrogen Dioxide	R9	2	2	17	80	10	0	0.0053	0.0222	0.2346	0.2092	0.911	1.559	1.0543		0.2012	0.1677	0.606	1.4058	2.5728	1.265	0.4277	1.7409	0.0225	0	0
Nitrogen Dioxide	R9	2	3	17	81	10	0	0.0053	0.0221	0.2342	0.2089	0.909	1.5554	1.052		0.2007	0.1673	0.6047	1.4028	2.5673	1.2623	0.4288	1.7372	0.0224	0	0
Nitrogen Dioxide	R9	2	4	17	82	10	0	0.0053	0.022	0.2339	0.2085	0.9071	1.5517	1.0498		0.2003	0.1669	0.6034	1.3998	2.5618	1.2596	0.4259	1.7335	0.0223	0	0
Nitrogen Dioxide	R9	2	5	16	83	10	0	0.0054	0.0228	0.2355	0.21	0.9156	1.5695	1.0596		0.2023	0.1686	0.6091	1.4129	2.5857	1.2713	0.4298	1.7497	0.0228	0	0
Nitrogen Dioxide	R9	2	6	16	83	10	0	0.0054	0.0228	0.2355	0.21	0.9156	1.5695	1.0596		0.2023	0.1686	0.6091	1.4129	2.5857	1.2713	0.4298	1.7497	0.0228	0	0
Nitrogen Dioxide	R9	2	7	16	83	10	0	0.0054	0.0228	0.2355	0.21	0.9156	1.5695	1.0596		0.2023	0.1686	0.6091	1.4129	2.5857	1.2713	0.4298	1.7497	0.0228	0	0
Nitrogen Dioxide	R9	2	8	17	81	10	0	0.0053	0.0221	0.2342	0.2089	0.909	1.5554	1.052		0.2007	0.1673	0.6047	1.4028	2.5673	1.2623	0.4288	1.7372	0.0224	0	0
Nitrogen Dioxide	R9	2	9	18	77	10	2	0.0052	0.0217	0.2337	0.2085	0.9066	1.5489	1.0492		0.2001	0.1668	0.603	1.399	2.5603	1.2588	0.4256	1.7305	0.0221	1.0492	1.69226
Nitrogen Dioxide	R9	2	10	19	73	10	2	0.0051	0.0213	0.2332	0.2081	0.9046	1.5432	1.0468		0.1996	0.1663	0.6017	1.3959	2.5547	1.256	0.4247	1.7286	0.0218	1.0468	1.68839
Nitrogen Dioxide	R9	2	11	20	70	10	2	0.005	0.0209	0.2324	0.2075	0.9007	1.5342	1.0424		0.1986	0.1655	0.5991	1.39	2.5438	1.2507	0.4229	1.7213	0.0215	1.0424	1.68129
Nitrogen Dioxide	R9	2	12	20	68	10	2	0.005	0.021	0.2333	0.2083	0.9055	1.5431	1.0479		0.1997	0.1664	0.6023	1.3973	2.5572	1.2573	0.4251	1.7304	0.0217	1.0479	1.69016
Nitrogen Dioxide	R9	2	13	21	65	10	2	0.005	0.0209	0.2327	0.2077	0.9022	1.5352	1.0441		0.1989	0.1658	0.6001	1.3923	2.5481	1.2528	0.4236	1.7242	0.0213	1.0441	1.68403
Nitrogen Dioxide	R9	2	14	21	65	10	2	0.005	0.0209	0.2327	0.2077	0.9022	1.5352	1.0441		0.1989	0.1658	0.6001	1.3923	2.5481	1.2528	0.4236	1.7242	0.0213	1.0441	1.68403
Nitrogen Dioxide	R9	2	15	21	66	10	2	0.005	0.0209	0.2322	0.2073	0.8997	1.5305	1.0412		0.1983	0.1653	0.5984	1.3884	2.5409	1.2493	0.4224	1.7193	0.0212	1.0412	1.67935
Nitrogen Dioxide	R9	2	16	20	68	10	2	0.005	0.021	0.2333	0.2083	0.9055	1.5431	1.0479		0.1997	0.1664	0.6023	1.3973	2.5572	1.2573	0.4251	1.7304	0.0217	1.0479	1.69016
Nitrogen Dioxide	R9	2	17	20	70	10	2	0.005	0.0209	0.2324	0.2075	0.9007	1.5342	1.0424		0.1986	0.1655	0.5991	1.39	2.5438	1.2507	0.4229	1.7213	0.0215	1.0424	1.68129
Nitrogen Dioxide	R9	2	18	19	74	10	2	0.0051	0.0212	0.2328	0.2077	0.9023	1.5391	1.0442		0.1991	0.1659	0.6002	1.3925	2.5484	1.2529	0.4236	1.7244	0.0217	1.0442	1.68419
Nitrogen Dioxide	R9	2	19	18	78	10	2	0.0052	0.0218	0.234	0.2088	0.9087	1.5527	1.0516		0.2006	0.1672	0.6044	1.4022	2.5662	1.2617	0.4266	1.7365	0.0222	1.0516	1.69613
Nitrogen Dioxide	R9	2	20	18	78	10	0	0.0052	0.0216	0.2333	0.2081	0.9045	1.545	1.0467		0.1996	0.1664	0.6016	1.3958	2.5544	1.2559	0.4246	1.7285	0.022	0	0
Nitrogen Dioxide	R9	2	21	18	78	10	0	0.0052	0.0216	0.2333	0.2081	0.9045	1.545	1.0467		0.1996	0.1664	0.6016	1.3958	2.5544	1.2559	0.4246	1.7285	0.022	0	0
Nitrogen Dioxide	R9	2	22	18	78	10	0	0.0052	0.0216	0.2333	0.2081	0.9045	1.545	1.0467		0.1996	0.1664	0.6016	1.3958	2.5544	1.2559	0.4246	1.7285	0.022	0	0
Nitrogen Dioxide	R9	2	23	18	78	10	0	0.0052	0.0216	0.2333	0.2081	0.9045	1.545	1.0467		0.1996	0.1664	0.6016	1.3958	2.5544	1.2559	0.4246	1.7285	0.022	0	0
Nitrogen Dioxide	R9	2	24	18	78	10	0	0.0052	0.0216	0.2333	0.2081	0.9045	1.545	1.0467		0.1996	0.1664	0.6016	1.3958	2.5544	1.2559	0.4246	1.7285	0.022	0	0
Nitrogen Dioxide	R9	3	1	21	86	10	0	0.0045	0.0189	0.2229	0.1987	0.8489	1.4363	0.9824		0.1862	0.1557	0.5645	1.3099	2.3973	1.1787	0.3985	1.6222	0.0191	0	0
Nitrogen Dioxide	R9	3	2	20	87	10	0	0.0046	0.0194	0.225	0.2006	0.8602	1.459	0.9955		0.1894	0.1579	0.5721	1.3275	2.4294	1.1945	0.4039	1.6439	0.0197	0	0
Nitrogen Dioxide	R9	3	3	20	87	10	0	0.0046	0.0194	0.225	0.2006	0.8602	1.459	0.9955		0.1894	0.1579	0.5721	1.3275	2.4294	1.1945	0.4039	1.6439	0.0197	0	0
Nitrogen Dioxide	R9	3	4	20	87	10	0	0.0046	0.0194	0.225	0.2006	0.8602	1.459	0.9955		0.1894	0.1579	0.5721	1.3275	2.4294	1.1945	0.4039	1.6439	0.0197	0	0
Nitrogen Dioxide	R9	3	5	20	87	10	0	0.0046	0.0194	0.225	0.2006	0.8602	1.459	0.9955		0.1894	0.1579	0.5721	1.3275	2.4294	1.1945	0.4039	1.6439	0.0197	0	0
Nitrogen Dioxide	R9	3	6	20	87	10	0	0.0046	0.0194	0.225	0.2006	0.8602	1.459	0.9955		0.1894	0.1579	0.5721	1.3275	2.4294	1.1945	0.4039	1.6439	0.0197	0	0
Nitrogen Dioxide	R9	3	7	20	87	10	0	0.0046	0.0194	0.225	0.2006	0.8602	1.459	0.9955		0.1894	0.1579	0.5721	1.3275	2.4294	1.1945	0.4039	1.6439	0.0197	0	0
Nitrogen Dioxide	R9	3	8	20	86	10	0	0.0047	0.0195	0.2254	0.201	0.8626	1.4634	0.9983		0.1899	0.1584	0.5737	1.3311	2.4361	1.1978	0.4051	1.6484	0.0198	0	0
Nitrogen Dioxide	R9	3	9	21	83	10	2	0.0046	0.0192	0.2243	0.2	0.8565	1.4504	0.9912		0.1885	0.1572	0.5696	1.3217	2.4189	1.1893	0.4021	1.6367	0.0194	0.9912	1.59871
Nitrogen Dioxide	R9	3	10	22	79	10	2	0.0046	0.0191	0.2237	0.1995	0.8533	1.4429	0.9875		0.1877	0.1565	0.5674	1.3168	2.4098	1.1848	0.4006	1.6306	0.0191	0.9875	1.59274
Nitrogen Dioxide	R9	3	11	22	78	10	2	0.0046	0.0192	0.2242	0.1999	0.856	1.4479	0.9906		0.1883	0.157	0.5692	1.3209	2.4175	1.1886	0.4019	1.6358	0.0192	0.9906	1.59274
Nitrogen Dioxide	R9	3	12	23	77	10	2	0.0045	0.0188	0.2222	0.1981	0.8449	1.4258	0.9778		0.1857	0.1549	0.5618	1.3039	2.3862	1.1732	0.3967	1.6147	0.0186	0.9778	1.5771
Nitrogen Dioxide	R9	3	13	23	77	10	2	0.0045	0.0188	0.2222	0.1981	0.8449	1.4258	0.9778		0.1857	0.1549	0.5618	1.3039	2.3862	1.1732	0.3967	1.6147	0.0186	0.9778	1.5771
Nitrogen Dioxide	R9	3	14	23	77	10	2	0.0045	0.0188	0.2222	0.1981	0.8449	1.4258	0.9778		0.1857	0.1549	0.5618	1.3039	2.3862	1.1732	0.3967	1.6147	0.0186	0.9778	1.5771
Nitrogen Dioxide	R9	3	15	23	76	10	2	0.0045	0.0189	0.2227	0.1985	0.8478	1.4312	0.9812		0.1864	0.1555	0.5638	1.3083	2.3944	1.1772	0.398	1.6202	0.0187	0.9812	1.58258
Nitrogen Dioxide	R9	3	16	23	77	10	2	0.0045	0.0188	0.2222	0.1981	0.8449	1.4258	0.9778		0.1857	0.1549	0.5618	1.3039	2.3862	1.1732	0.3967	1.6147	0.0186	0.9778	1.5771
Nitrogen Dioxide	R9	3	17	22	79	10	2	0.0046	0.0191	0.2237	0.1995	0.8533	1.4429	0.9875		0.1877	0.1565	0.5674	1.3168	2.4098	1.1848	0.4006	1.6306	0.0191	0.9875	1.59274
Nitrogen Dioxide	R9	3	18	22	82	10	2	0.0045	0.0188	0.2222	0.1981	0.8452	1.4278	0.9781		0.1858	0.1555	0.562	1.3042	2.3869	1.1735	0.3988	1.6151	0.0188	0.9781	1.57758
Nitrogen Dioxide	R9	3	19	21	84	10	2	0.0046	0.0191	0.2238	0.1996	0.8539	1.4457	0.9882		0.1879	0.1567	0.5679	1.3178	2.4117	1.1857	0.4009	1.6319	0.0193	0.9882	1.59387
Nitrogen Dioxide	R9	3	20	21	85	10	0	0.0046	0.019	0.2234	0.1992	0.8514	1.441	0.9853		0.1873	0.1562	0.5662	1.3139	2.4045	1.1822	0.3997	1.627	0.0192	0	0
Nitrogen Dioxide	R9	3	21	21	86	10	0	0.0045	0.0189	0.2229	0.1987	0.8489	1.4363	0.9824		0.1867	0.1557	0.5645	1.3099	2.3973	1.1787	0.3985	1.6222	0.0191	0	0
Nitrogen Dioxide	R9	3	22	21	86	10	0	0.0045	0.0189	0.2229	0.1987	0.8489	1.4363	0.9824		0.1867	0.1557	0.5645	1.3099	2.3973	1.1787	0.3985	1.6222	0.0191	0	0
Nitrogen Dioxide	R9	3	23	21	85	10	0	0.0046	0.019	0.2234	0.1992	0.8514	1.441	0.9853		0.1873	0.1562	0.5662	1.3139	2.4045	1.1822	0.3997	1.627	0.0192	0	0
Nitrogen Dioxide	R9	3	24	21	86	10	0	0.0045	0.0189	0.2229	0.1987	0.8489	1.4363	0.9824		0.1867	0.1557	0.5645	1.3099	2.3973	1.1787	0.3985	1.6222	0.0191	0	0
Nitrogen Dioxide	R9	4	1	20	85	10	0	0.0047	0.0197	0.2267	0.2022	0.8697	1.4767	1.0065		0.1916	0.1597	0.5784	1.3422	2.4563	1.2077	0.4083	1.6621	0.0201	0	0
Nitrogen Dioxide	R9	4	2	20	85	10	0	0.0047	0.0196	0.2259	0.2014	0.865	1.4679	1.001		0.1905	0.1588	0.5752	1.3348	2.4429	1.2011	0.4061	1.653	0.0199	0	0
Nitrogen Dioxide	R9	4	3	20	87	10	0	0.0047	0.0197	0.2263	0.2018	0.8674	1.4723	1.0038		0.191	0.1593	0.5768	1.3385	2.4496	1.2044	0.4072	1.6575	0.02	0	0
Nitrogen Dioxide	R9	4	4	20	85	10	0	0.0047	0.0196	0.2259	0.2014	0.865	1.4679	1.001		0.1905	0.1588	0.5752	1.3348	2.4429	1.2011	0.4061	1.653	0.0199	0	0
Nitrogen Dioxide	R9	4	5	19	84	10	0	0.0048	0.0202	0.2286	0.204	0.88	1.4976	1.0184		0.194	0.1617	0.5853	1.358	2.4853	1.222	0.4132	1.6817	0.0207	0	0
Nitrogen Dioxide	R9	4	6	19	84

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:

(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.

(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Dioxide	R9	6	14	31	72	10	2	0.0037	0.0153	0.201	0.1784	0.7279	1.2088	0.8424		0.1591	0.133	0.4838	1.1233	2.0558	1.0108	0.3418	1.3911	0.0137	0.8424	1.35871
Nitrogen Dioxide	R9	6	15	30	74	10	2	0.0037	0.0155	0.2029	0.1801	0.7385	1.2282	0.8546		0.1615	0.1349	0.4908	1.1396	2.0856	1.0254	0.3467	1.4112	0.0141	0.8546	1.37839
Nitrogen Dioxide	R9	6	16	30	74	10	2	0.0037	0.0155	0.2029	0.1801	0.7385	1.2282	0.8546		0.1615	0.1349	0.4908	1.1396	2.0856	1.0254	0.3467	1.4112	0.0141	0.8546	1.37839
Nitrogen Dioxide	R9	6	17	30	75	10	2	0.0037	0.0153	0.202	0.1794	0.7234	1.22	0.8495		0.1605	0.1341	0.4879	1.1327	2.073	1.0192	0.3446	1.4027	0.0139	0.8495	1.37016
Nitrogen Dioxide	R9	6	18	29	79	10	2	0.0037	0.0152	0.2024	0.1798	0.7366	1.2247	0.8524		0.1611	0.1345	0.4896	1.1366	2.0802	1.0228	0.3458	1.4076	0.014	0.8524	1.37484
Nitrogen Dioxide	R9	6	19	29	81	10	2	0.0036	0.0148	0.2009	0.1784	0.7282	1.2093	0.8427		0.1592	0.133	0.484	1.1237	2.0565	1.0111	0.3419	1.3916	0.0137	0.8427	1.35919
Nitrogen Dioxide	R9	6	20	28	83	10	0	0.0036	0.0151	0.203	0.1804	0.7401	1.2313	0.8565		0.1619	0.1352	0.4919	1.1422	2.0903	1.0277	0.3475	1.4144	0.0141	0	0
Nitrogen Dioxide	R9	6	21	28	85	10	0	0.0036	0.0148	0.2016	0.1791	0.7323	1.2168	0.8474		0.1601	0.1337	0.4867	1.13	2.068	1.0168	0.3438	1.3993	0.0138	0	0
Nitrogen Dioxide	R9	6	22	28	86	10	0	0.0035	0.0147	0.2009	0.1784	0.7283	1.2095	0.8429		0.1592	0.133	0.4841	1.1239	2.0569	1.0113	0.3419	1.3918	0.0137	0	0
Nitrogen Dioxide	R9	6	23	28	87	10	0	0.0035	0.0145	0.2001	0.1778	0.7244	1.2022	0.8383		0.1583	0.1322	0.4814	1.1178	2.0457	1.0058	0.3401	1.3843	0.0135	0	0
Nitrogen Dioxide	R9	6	24	28	87	10	0	0.0035	0.0145	0.2001	0.1778	0.7244	1.2022	0.8383		0.1583	0.1322	0.4814	1.1178	2.0457	1.0058	0.3401	1.3843	0.0135	0	0
Nitrogen Dioxide	R9	7	1	28	84	10	0	0.0036	0.015	0.2023	0.1798	0.7362	1.224	0.852		0.161	0.1345	0.4893	1.1361	2.0792	1.0223	0.3456	1.4069	0.014	0	0
Nitrogen Dioxide	R9	7	2	28	84	10	0	0.0036	0.015	0.2023	0.1798	0.7362	1.224	0.852		0.161	0.1345	0.4893	1.1361	2.0792	1.0223	0.3456	1.4069	0.014	0	0
Nitrogen Dioxide	R9	7	3	28	86	10	0	0.0035	0.0147	0.2009	0.1784	0.7283	1.2095	0.8429		0.1592	0.133	0.4841	1.1239	2.0569	1.0113	0.3419	1.3918	0.0137	0	0
Nitrogen Dioxide	R9	7	4	28	86	10	0	0.0035	0.0147	0.2009	0.1784	0.7283	1.2095	0.8429		0.1592	0.133	0.4841	1.1239	2.0569	1.0113	0.3419	1.3918	0.0137	0	0
Nitrogen Dioxide	R9	7	5	28	88	10	0	0.0035	0.0144	0.1994	0.1771	0.7204	1.195	0.8337		0.1574	0.1315	0.4788	1.1117	2.0346	1.0004	0.3382	1.3767	0.0133	0	0
Nitrogen Dioxide	R9	7	6	27	88	10	0	0.0036	0.015	0.2031	0.1806	0.7409	1.2328	0.8575		0.162	0.1354	0.4925	1.1434	2.0925	1.0288	0.3479	1.4159	0.0142	0	0
Nitrogen Dioxide	R9	7	7	28	86	10	0	0.0035	0.0147	0.2009	0.1784	0.7283	1.2095	0.8429		0.1592	0.133	0.4841	1.1239	2.0569	1.0113	0.3419	1.3918	0.0137	0	0
Nitrogen Dioxide	R9	7	8	29	81	10	0	0.0036	0.0148	0.2009	0.1784	0.7282	1.2093	0.8427		0.1592	0.133	0.484	1.1237	2.0565	1.0111	0.3419	1.3916	0.0137	0	0
Nitrogen Dioxide	R9	7	9	30	76	10	2	0.0036	0.0151	0.2012	0.1787	0.7296	1.2118	0.8443		0.1595	0.1332	0.4849	1.1259	2.0605	1.0131	0.3425	1.3942	0.0137	0.8443	1.36177
Nitrogen Dioxide	R9	7	10	31	70	10	2	0.0038	0.0157	0.2027	0.18	0.7374	1.2262	0.8533		0.1612	0.1347	0.4901	1.1379	2.0825	1.0239	0.3462	1.4091	0.0141	0.8533	1.37629
Nitrogen Dioxide	R9	7	11	31	68	10	2	0.0039	0.0161	0.2045	0.1815	0.7468	1.2436	0.8643		0.1634	0.1365	0.4964	1.1524	2.1091	1.037	0.3506	1.4271	0.0144	0.8643	1.39403
Nitrogen Dioxide	R9	7	12	32	67	10	2	0.0038	0.0158	0.2019	0.1792	0.7326	1.2174	0.8478		0.1602	0.1339	0.4869	1.1305	2.0689	1.0172	0.3439	1.3999	0.0139	0.8478	1.36742
Nitrogen Dioxide	R9	7	13	32	66	10	2	0.0038	0.016	0.2028	0.18	0.7376	1.2266	0.8536		0.1613	0.1348	0.4902	1.1382	2.083	1.0242	0.3463	1.4095	0.0141	0.8536	1.37677
Nitrogen Dioxide	R9	7	14	32	66	10	2	0.0038	0.016	0.2028	0.18	0.7376	1.2266	0.8536		0.1613	0.1348	0.4902	1.1382	2.083	1.0242	0.3463	1.4095	0.0141	0.8536	1.37677
Nitrogen Dioxide	R9	7	15	31	68	10	2	0.0039	0.0161	0.2045	0.1815	0.7468	1.2436	0.8643		0.1634	0.1365	0.4964	1.1524	2.1091	1.037	0.3506	1.4271	0.0144	0.8643	1.39403
Nitrogen Dioxide	R9	7	16	31	69	10	2	0.0038	0.0159	0.2036	0.1808	0.7421	1.2349	0.8588		0.1623	0.1356	0.4932	1.1452	2.0958	1.0304	0.3484	1.4181	0.0142	0.8588	1.38516
Nitrogen Dioxide	R9	7	17	31	70	10	2	0.0038	0.0157	0.2027	0.18	0.7374	1.2262	0.8533		0.1612	0.1347	0.4901	1.1379	2.0825	1.0239	0.3462	1.4091	0.0141	0.8533	1.37629
Nitrogen Dioxide	R9	7	18	30	73	10	2	0.0038	0.0157	0.2037	0.1809	0.7429	1.2364	0.8598		0.1625	0.1357	0.4938	1.1464	2.0981	1.0316	0.3488	1.4197	0.0143	0.8598	1.38677
Nitrogen Dioxide	R9	7	19	29	79	10	2	0.0038	0.0157	0.2048	0.1819	0.7491	1.2479	0.8669		0.1639	0.1369	0.4979	1.156	2.1157	1.0402	0.3517	1.4316	0.0145	0.8669	1.39823
Nitrogen Dioxide	R9	7	20	29	79	10	0	0.0037	0.0152	0.2024	0.1798	0.7366	1.2247	0.8524		0.1611	0.1345	0.4896	1.1366	2.0802	1.0228	0.3458	1.4076	0.014	0	0
Nitrogen Dioxide	R9	7	21	29	81	10	0	0.0036	0.0148	0.2009	0.1784	0.7282	1.2093	0.8427		0.1592	0.133	0.484	1.1237	2.0565	1.0111	0.3419	1.3916	0.0137	0	0
Nitrogen Dioxide	R9	7	22	29	82	10	0	0.0035	0.0147	0.2001	0.1777	0.724	1.2016	0.8379		0.1582	0.1322	0.4812	1.1173	2.0447	1.0053	0.3399	1.3836	0.0135	0	0
Nitrogen Dioxide	R9	7	23	28	83	10	0	0.0036	0.0151	0.203	0.1804	0.7401	1.2313	0.8565		0.1619	0.1352	0.4919	1.1422	2.0903	1.0277	0.3475	1.4144	0.0141	0	0
Nitrogen Dioxide	R9	7	24	28	84	10	0	0.0036	0.015	0.2023	0.1798	0.7362	1.224	0.852		0.161	0.1345	0.4893	1.1361	2.0792	1.0223	0.3456	1.4069	0.014	0	0
Nitrogen Dioxide	R9	8	1	27	90	10	0	0.0035	0.0147	0.2018	0.1793	0.7335	1.2191	0.8489		0.1604	0.134	0.4875	1.1319	2.0716	1.0185	0.3444	1.4017	0.0139	0	0
Nitrogen Dioxide	R9	8	2	26	90	10	0	0.0037	0.0154	0.2054	0.1827	0.7535	1.2558	0.8719		0.1649	0.1377	0.5008	1.1627	2.1279	1.0462	0.3537	1.4398	0.0147	0	0
Nitrogen Dioxide	R9	8	3	26	91	10	0	0.0037	0.0152	0.2047	0.1821	0.75	1.2494	0.8679		0.1641	0.137	0.4985	1.1573	2.118	1.0414	0.3521	1.4332	0.0145	0	0
Nitrogen Dioxide	R9	8	4	26	92	10	0	0.0036	0.0151	0.2041	0.1815	0.7465	1.243	0.8639		0.1633	0.1364	0.4962	1.1519	2.1082	1.0365	0.3505	1.4265	0.0144	0	0
Nitrogen Dioxide	R9	8	5	26	93	10	0	0.0036	0.0149	0.2035	0.1809	0.743	1.2365	0.8598		0.1625	0.1357	0.4938	1.1466	2.0983	1.0317	0.3488	1.4198	0.0143	0	0
Nitrogen Dioxide	R9	8	6	26	94	10	0	0.0036	0.0148	0.2028	0.1803	0.7395	1.2301	0.8558		0.1617	0.1351	0.4915	1.1412	2.0885	1.0268	0.3473	1.4132	0.0141	0	0
Nitrogen Dioxide	R9	8	7	26	93	10	0	0.0036	0.0149	0.2035	0.1809	0.743	1.2365	0.8598		0.1625	0.1357	0.4938	1.1466	2.0983	1.0317	0.3488	1.4198	0.0143	0	0
Nitrogen Dioxide	R9	8	8	27	87	10	0	0.0036	0.0151	0.2038	0.1812	0.7446	1.2396	0.8618		0.1629	0.136	0.495	1.1491	2.103	1.034	0.3496	1.423	0.0143	0	0
Nitrogen Dioxide	R9	8	9	29	81	10	2	0.0036	0.0148	0.2009	0.1784	0.7282	1.2093	0.8427		0.1592	0.133	0.484	1.1237	2.0565	1.0111	0.3419	1.3916	0.0137	0.8427	1.35919
Nitrogen Dioxide	R9	8	10	30	76	10	2	0.0036	0.0151	0.2012	0.1787	0.7296	1.2118	0.8443		0.1595	0.1332	0.4849	1.1259	2.0605	1.0131	0.3425	1.3942	0.0137	0.8443	1.36177
Nitrogen Dioxide	R9	8	11	30	73	10	2	0.0038	0.0157	0.2037	0.1809	0.7429	1.2364	0.8598		0.1625	0.1357	0.4938	1.1464	2.0981	1.0316	0.3488	1.4197	0.0143	0.8598	1.38677
Nitrogen Dioxide	R9	8	12	30	73	10	2	0.0038	0.0157	0.2037	0.1809	0.7429	1.2364	0.8598		0.1625	0.1357	0.4938	1.1464	2.0981	1.0316	0.3488	1.4197	0.0143	0.8598	1.38677
Nitrogen Dioxide	R9	8	13	30	74	10	2	0.0037	0.0155	0.2029	0.1801	0.7385	1.2282	0.8546		0.1615	0.1349	0.4908	1.1396	2.0856	1.0254	0.3467	1.4112	0.0141	0.8546	1.37839
Nitrogen Dioxide	R9	8	14	30	74	10	2	0.0037	0.0155	0.2029	0.1801	0.7385	1.2282	0.8546		0.1615	0.1349	0.4908	1.1396	2.0856	1.0254	0.3467	1.4112	0.0141	0.8546	1.37839
Nitrogen Dioxide	R9	8	15	30	75	10	2	0.0037	0.0153	0.202	0.1794	0.7234	1.22	0.8495		0.1605	0.1341	0.4879	1.1327	2.073	1.0192	0.3446	1.4027	0.0139	0.8495	1.37016
Nitrogen Dioxide	R9	8	16	29	77	10	2	0.0037	0.0155	0.204	0.1812	0.7449	1.2402	0.8621		0.163	0.1361	0.4952	1.1496	2.1039	1.0344	0.3497	1.4236	0.0144	0.8621	1.39048
Nitrogen Dioxide	R9	8	17	29	79	10	2	0.0037	0.0152	0.2024	0.1798	0.7366	1.2247	0.8524		0.1611	0.1345	0.4896	1.1366	2.0802	1.0228	0.3458	1.4076	0.014	0.8524	1.37484
Nitrogen Dioxide	R9	8	18	28	80	10	2	0.0038	0.0156	0.2052	0.1824	0.752	1.2531	0.8702		0.1646	0.1374	0.4998	1.1604	2.1237	1.0442	0.353	1.437	0.0146	0.8702	1.40355
Nitrogen Dioxide	R9	8	19	28	83	10	2	0.0037	0.0153	0.2038	0.1811	0.7441	1.2386	0.8611		0.1628	0.1359	0.4946	1.1483	2.1014	1.0332	0.3493	1.4219	0.0143	0.8611	1.38887
Nitrogen Dioxide	R9	8	20	28	84	10	0	0.0036	0.015	0.2023	0.1798	0.7362	1.224	0.852		0.161	0.1345	0.4893	1.1361	2.0792	1.0223	0.3456	1.4069	0.014	0	0
Nitrogen Dioxide	R9	8	21	27	85	10	0	0.0037	0.0154	0.2052	0.1824	0.7521	1.2533	0.8703		0.1646	0.1374	0.4999	1.1606	2.124	1.0443	0.3531	1.4372	0.0146	0	0
Nitrogen Dioxide	R9	8	22	27	87	10	0	0.0036	0.0151	0.2038	0.1812	0.7446	1.2396	0.8618		0.1629	0.136	0.495	1.1491	2.103	1.034	0.3496	1.423	0.0143	0	0
Nitrogen Dioxide	R9	8	23	27	88	10	0	0.0036	0.015	0.2031	0.1806	0.7409	1.2328	0.8575		0.162	0.1354	0.4925	1.1434	2.0925	1.0288	0.3479	1.4159	0.0142	0	0
Nitrogen Dioxide	R9	8	24	27	89	10	0	0.0036	0.0148	0.2024	0.1799	0.7372	1.2259	0.8532		0.1612	0.1347	0.49	1.1377	2.0821	1.0257	0.3461	1.4088	0.014	0	0
Nitrogen Dioxide	R9	9	1	27	89	10	0	0.0036	0.0148	0.2024	0.1799	0.7372	1.2259	0.8532		0.1612	0.1347	0.49	1.1377	2.0821	1.0257	0.3461	1.4088	0.014	0	0
Nitrogen Dioxide	R9	9	2	27	89	10	0	0.0036	0.0148	0.2024	0.1799	0.7372	1.2259	0.8532		0.1612	0.1347	0.49	1.1377	2.0821	1.0257	0.3461	1.4088	0.014	0	0
Nitrogen Dioxide	R9	9	3	26	91	10	0	0.0037	0.0152	0.2047	0.1821	0.75	1.2494	0.8679		0.1641	0.137	0.4985	1.1573	2.118	1.0414	0.3521	1.4332	0.0145	0	0
Nitrogen Dioxide	R9	9	4	26	92	10	0	0.0036	0.0151	0.2041	0.1815	0.7465	1.243	0.8639		0.1633	0.1364	0.4962	1.1519	2.1082	1.0365	0.3505	1.4265	0.0144	0	0
Nitrogen Dioxide	R9	9	5	26	92	10	0	0.0036	0.0151	0.2041	0.1815	0.7465	1.243	0.8639		0.1633	0.1364	0.4962	1.1519	2.1082	1.0365	0.3505	1.4265	0.0144	0	0
Nitrogen Dioxide	R9	9	6	26	93	10	0	0.0036	0.0149	0.2035	0.1809	0.743	1.2365	0.8598		0.1625	0.1357	0.4938	1.1466	2.0983	1.0317	0.3488	1.4198	0.0143	0	0
Nitrogen Dioxide	R9	9	7	26	93	10	0	0.0036	0.0149	0.2035	0.1809	0.743	1.2365	0.8598		0.1625	0.1357	0.4938	1.1466	2.0983	1.0317	0.3488	1.4198	0.0143	0	0
Nitrogen Dioxide	R9	9	8	27	88	10	0	0.0036	0.015	0.2031	0.1806	0.7409	1.2328	0.8575		0.162	0.1354	0.4925	1.1434	2.0925	1.0288	0.3479	1.4159	0.0142	0	0
Nitrogen Dioxide	R9	9	9	28	83	10	2	0.0036	0.0151	0.203	0.1804	0.7401	1.2313	0.8565		0.1619	0.1352	0.4919	1.1422	2.0903	1.0277	0.3475	1.4144	0.0141	0.8565	1.38145
Nitrogen Dioxide	R9	9	10	29	78	10	2	0.0037	0.0153	0.2032	0.1805	0.7408	1.2324	0.8573		0.162	0.1353	0.4924	1.1431	2.092	1.0286	0.3478	1.4156	0.0142	0.8573	1.38274
Nitrogen Dioxide	R9	9	11	29	76	10	2	0.0038	0.0157	0.2048	0.1819	0.7491	1.2479	0.8669		0.1639	0.1369	0.4979	1.156	2.1157	1.0402	0.3517	1.4316	0.0145	0.8669	1.39823
Nitrogen Dioxide	R9	9	12	29	76	10	2	0.0038	0.0157	0.2048	0.1819	0.7491	1.2479	0.8669		0.1639	0.1369	0.4979	1.156	2.1157	1.0402	0.3517	1.4316	0.0145	0.8669	1.39823
Nitrogen Dioxide	R9	9	13	30	75	10	2	0.0037	0.0153	0.202	0.1794	0.7234	1.22	0.8495		0.1605	0.1341	0.4879	1.1327	2.073	1.0192	0.3446	1.4027	0.0139	0.8495	1.37016
Nitrogen Dioxide	R9	9	14	29	75	10	2	0.0038	0.0159	0.2055	0.1826	0.7533	1.2556	0.8718		0.1649	0.1377	0.5007	1.1625	2.1275	1.046	0.3537	1.4396	0.0147	0.8718	1.40613
Nitrogen Dioxide	R9	9	15	29	77	10	2	0.0037	0.0155	0.204	0.1812	0.7449	1.2402	0.8621		0.163	0.1361	0.4952	1.1496	2.1039	1.0344	0.3497	1.4236	0.0144	0.8621	1.39048
Nitrogen Dioxide	R9	9	16	29	76	10	2	0.0038	0.0157	0.2048	0.1819	0.7491	1.2479	0.8669		0.1639	0.1369	0.4979	1.156	2.1157	1.0402	0.3517	1.4316	0.0145	0.8669	1.39823
Nitrogen Dioxide	R9	9	17	29	78	10	2	0.0037	0.0153	0.2032	0.1805	0.7408	1.2324	0.8573		0.162	0.1353	0.4924	1.1431	2.092	1.0286	0.3478	1.4156	0.0142	0.8573	1.38274
Nitrogen Dioxide	R9	9	18	28	81	10	2	0.0037	0.0154	0.2045	0.1818	0.7482	1.2458	0.8657		0.1637	0.1367	0.4972	1.1543	2.1126	1.0387	0.3512	1.4258	0.0143	0.8657	1.39629
Nitrogen Dioxide	R9	9	19	27	84	10	2	0.0037	0.0156	0.2059	0.1831	0.7558	1.2601	0.8746		0.1654	0.1381	0.5024	1.1663	2.1345	1.0494	0.3554	1.4443	0.0148	0.8746	1.41065
Nitrogen Dioxide	R9	9	20	27	86	10	0	0.0037	0.0153	0.2045	0.1818	0.7484	1.2464	0.8661		0.1637	0.1367	0.4974	1.1548	2.1135	1.0391	0.3513	1.4303	0.0145	0	0
Nitrogen Dioxide	R9	9	21	27	87	10	0	0.0036	0.0151	0.2038	0.1812	0.7446	1.2396	0.8618		0.1629	0.136	0.495	1.1491	2.103	1.034	0.3496	1.423	0.0143	0	0
Nitrogen Dioxide	R9	9	22	27	89	10	0	0.0036	0.0148	0.2024	0.1799	0.7372	1.2259	0.8532		0.1612	0.1347	0.49	1.1377	2.0821	1.0257	0.3461	1.4088	0.014	0	0
Nitrogen Dioxide	R9	9	23	27	89	10	0	0.0036	0.0148	0.2024	0.1799	0.7372	1.2259	0.8532		0.1612	0.1347	0.49	1.1377	2.0821	1.0257	0.3461	1.4088	0.014	0	0
Nitrogen Dioxide	R9	9	24	26	89	10	2	0.0037	0.0155	0.206	0.1833	0.7569	1.2623	0.876		0.1652	0.1384	0.5032	1.1681	2.1377	1.0511	0.3554	1.4465	0.0148	0	0
Nitrogen Dioxide	R9	10	1	24	74	10	0	0.0045	0.0186	0.2212	0.1972	0.8396	1.4146	0.9717		0.1845	0.1539	0.5583	1.2957	2.3712	1.1658	0.3942	1.6045	0.0182	0	0
Nitrogen Dioxide	R9	10	2	23	74	10	0	0.0046	0.0191	0.2238	0.1995	0.8536	1.4418	0.9878		0.1877	0.1565	0.5676	1.3172	2.4107	1.1853	0.4007	1.6312	0.019	0	0
Nitrogen Dioxide	R9	10	3	23	74	10	0	0.0046	0.0191	0.2238	0.1995	0.8536	1.4418	0.9878		0.1877	0.1565	0.5676	1.3172	2.4107	1.1853	0.4007	1.6312	0.019	0	0
Nitrogen Dioxide	R9	10	4	23	75	10	0	0.0045	0.019	0.2232	0.199	0.8507	1.4365	0.9845		0.1871	0.156	0.5657	1.3128	2.4026	1.1813	0.3994	1.6257	0.0188	0	0
Nitrogen Dioxide	R9	10	5	23	74	10	0	0.0046	0.0191	0.2238	0.1995	0.8536	1.4418	0.9878		0.1877	0.1565	0.5676	1.3172	2.4107	1.1853	0.4007	1.6312	0.019	0	0
Nitrogen Dioxide	R9	10	6	23	75	10	0	0.0045	0.019	0.2232	0.199	0.8507	1.4365	0.9845		0.1871	0.156	0.5657	1.3128	2.4026	1.1813	0.3994	1.6257	0.0188	0	0
Nitrogen Dioxide	R9	10	7	23	75	10	0	0.0045	0.019	0.2232	0.199	0.8507	1.4365	0.9845		0.1871	0.156	0.5657	1.3128	2.4026	1.1813	0.3994	1.6257	0.0188	0	0
Nitrogen Dioxide	R9	10	8	23	72	10	0	0.0046	0.0193	0.2248	0.2005	0.8594	1.4525	0.9945		0.189	0.1576	0.5715	1.3262	2.427	1.1933	0.4035	1.6423	0.0192	0	0
Nitrogen Dioxide	R9	10	9	24	69	10	2	0.0046	0.0192	0.224	0.1998	0.855	1.443	0.9895		0.188	0.1568	0.5685	1.3194	2.4147	1.1872	0.4014	1.6339	0.0189	0.9895	1.59597
Nitrogen Dioxide	R9	10	10	25	64	10	2	0.0046	0.0194	0.2246	0.2002	0.8576	1.4478	0.9925		0.1886	0.1572	0.5703	1.3235	2.4221	1.1909	0.4026	1.6389	0.019	0.9925	1.60081
Nitrogen Dioxide	R9	10	11	26	61	10	2	0.0046	0.0194	0.2241	0

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:

(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.

(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Dioxide	R9	12	19	17	65	10	2	0.0056	0.0235	0.24	0.2141	0.9403	1.6138	1.0882		0.2079	0.1732	0.6256	1.4511	2.6557	1.3057	0.4413	1.797	0.0237	1.0882	1.75516
Nitrogen Dioxide	R9	12	20	17	66	10	0	0.0056	0.0234	0.2397	0.2138	0.9384	1.6102	1.086		0.2074	0.1728	0.6243	1.4481	2.6502	1.303	0.4406	1.7933	0.0237	0	0
Nitrogen Dioxide	R9	12	21	17	66	10	0	0.0056	0.0234	0.2397	0.2138	0.9384	1.6102	1.086		0.2074	0.1728	0.6243	1.4481	2.6502	1.303	0.4406	1.7933	0.0237	0	0
Nitrogen Dioxide	R9	12	22	16	66	10	0	0.0057	0.0241	0.2413	0.2152	0.9467	1.6277	1.0956		0.2094	0.1745	0.6298	1.4609	2.6736	1.3145	0.4444	1.8091	0.0242	0	0
Nitrogen Dioxide	R9	12	23	16	66	10	0	0.0057	0.0241	0.2413	0.2152	0.9467	1.6277	1.0956		0.2094	0.1745	0.6298	1.4609	2.6736	1.3145	0.4444	1.8091	0.0242	0	0
Nitrogen Dioxide	R9	12	24	16	67	10	0	0.0057	0.024	0.241	0.2149	0.9448	1.6243	1.0934		0.209	0.1741	0.6286	1.4581	2.6684	1.312	0.4436	1.8056	0.0241	0	0
Nitrogen Dioxide	R10	1	1	17	76	10	0	0.0054	0.0225	0.236	0.2105	0.9188	1.5736	1.0633		0.2029	0.1691	0.6112	1.4179	2.5949	1.2758	0.4314	1.7559	0.0228	0	0
Nitrogen Dioxide	R10	1	2	17	77	10	0	0.0054	0.0225	0.2357	0.2102	0.9169	1.57	1.0611		0.2025	0.1688	0.6099	1.4149	2.5894	1.2731	0.4305	1.7521	0.0227	0	0
Nitrogen Dioxide	R10	1	3	17	77	10	0	0.0054	0.0225	0.2357	0.2102	0.9169	1.57	1.0611		0.2025	0.1688	0.6099	1.4149	2.5894	1.2731	0.4305	1.7521	0.0227	0	0
Nitrogen Dioxide	R10	1	4	17	77	10	0	0.0054	0.0225	0.2357	0.2102	0.9169	1.57	1.0611		0.2025	0.1688	0.6099	1.4149	2.5894	1.2731	0.4305	1.7521	0.0227	0	0
Nitrogen Dioxide	R10	1	5	17	78	10	0	0.0053	0.0224	0.2353	0.2099	0.9149	1.5643	1.0588		0.2021	0.1684	0.6086	1.4119	2.5839	1.2704	0.4295	1.7484	0.0226	0	0
Nitrogen Dioxide	R10	1	6	17	77	10	0	0.0054	0.0225	0.2357	0.2102	0.9169	1.57	1.0611		0.2025	0.1688	0.6099	1.4149	2.5894	1.2731	0.4305	1.7521	0.0227	0	0
Nitrogen Dioxide	R10	1	7	16	77	10	0	0.0055	0.0232	0.2376	0.2118	0.9265	1.5901	1.0723		0.2048	0.1707	0.6164	1.4298	2.6167	1.2866	0.435	1.7706	0.0233	0	0
Nitrogen Dioxide	R10	1	8	17	77	10	0	0.0054	0.0225	0.2357	0.2102	0.9169	1.57	1.0611		0.2025	0.1688	0.6099	1.4149	2.5894	1.2731	0.4305	1.7521	0.0227	0	0
Nitrogen Dioxide	R10	1	9	17	73	10	122	0.0054	0.0228	0.2371	0.2115	0.9247	1.5846	1.0701		0.2043	0.1702	0.6151	1.427	2.6115	1.284	0.4341	1.7671	0.0231	1.14601	1.8484
Nitrogen Dioxide	R10	1	10	19	69	10	258	0.0052	0.0217	0.2348	0.2096	0.9135	1.5598	1.0572		0.2016	0.168	0.6076	1.4097	2.5799	1.2684	0.4289	1.7457	0.0222	1.13317	1.8277
Nitrogen Dioxide	R10	1	11	20	64	10	243	0.0051	0.0214	0.235	0.2099	0.913	1.5608	1.0589		0.2019	0.1682	0.6086	1.412	2.5841	1.2705	0.4296	1.7486	0.0223	1.13326	1.82783
Nitrogen Dioxide	R10	1	12	21	62	10	224	0.0051	0.0212	0.2341	0.209	0.9099	1.5494	1.053		0.2006	0.1672	0.6052	1.4041	2.5696	1.2634	0.4272	1.7388	0.0217	1.12835	1.81991
Nitrogen Dioxide	R10	1	13	21	61	10	217	0.0051	0.0213	0.2345	0.2094	0.9124	1.5541	1.0559		0.2012	0.1677	0.6069	1.408	2.5768	1.2669	0.4284	1.7436	0.0218	1.12937	1.82156
Nitrogen Dioxide	R10	1	14	21	62	10	193	0.0051	0.0212	0.2341	0.209	0.9099	1.5494	1.053		0.2006	0.1672	0.6052	1.4041	2.5696	1.2634	0.4272	1.7388	0.0217	1.12502	1.81454
Nitrogen Dioxide	R10	1	15	21	62	10	233	0.0051	0.0212	0.2341	0.209	0.9099	1.5494	1.053		0.2006	0.1672	0.6052	1.4041	2.5696	1.2634	0.4272	1.7388	0.0217	1.12904	1.82104
Nitrogen Dioxide	R10	1	16	21	63	10	230	0.005	0.0211	0.2336	0.2086	0.9073	1.5446	1.05		0.2001	0.1667	0.6035	1.4002	2.5624	1.2599	0.426	1.7339	0.0216	1.12311	1.81148
Nitrogen Dioxide	R10	1	17	20	67	10	251	0.005	0.0211	0.2337	0.2087	0.9079	1.5475	1.0506		0.2002	0.1669	0.6038	1.401	2.564	1.2606	0.4262	1.7349	0.0218	1.12385	1.81266
Nitrogen Dioxide	R10	1	18	19	72	10	221	0.0051	0.0214	0.2336	0.2085	0.9068	1.5474	1.0494		0.2001	0.1667	0.6032	1.3993	2.561	1.2591	0.4257	1.7329	0.0219	1.12602	1.81615
Nitrogen Dioxide	R10	1	19	18	74	10	77	0.0052	0.0219	0.2348	0.2095	0.9128	1.5605	1.0564		0.2015	0.1679	0.6072	1.4087	2.578	1.2675	0.4286	1.7444	0.0223	1.12841	1.82002
Nitrogen Dioxide	R10	1	20	18	74	10	0	0.0052	0.0219	0.2348	0.2095	0.9128	1.5605	1.0564		0.2015	0.1679	0.6072	1.4087	2.578	1.2675	0.4286	1.7444	0.0223	0	0
Nitrogen Dioxide	R10	1	21	18	75	10	0	0.0052	0.0219	0.2344	0.2092	0.9108	1.5566	1.054		0.201	0.1675	0.6058	1.4055	2.5721	1.2646	0.4276	1.7405	0.0223	0	0
Nitrogen Dioxide	R10	1	22	18	76	10	0	0.0052	0.0218	0.234	0.2088	0.9087	1.5527	1.0516		0.2006	0.1672	0.6044	1.4022	2.5662	1.2617	0.4266	1.7365	0.0222	0	0
Nitrogen Dioxide	R10	1	23	18	75	10	0	0.0052	0.0219	0.2344	0.2092	0.9108	1.5566	1.054		0.201	0.1675	0.6058	1.4055	2.5721	1.2646	0.4276	1.7405	0.0223	0	0
Nitrogen Dioxide	R10	1	24	17	76	10	0	0.0054	0.0225	0.236	0.2105	0.9188	1.5736	1.0633		0.2029	0.1691	0.6112	1.4179	2.5949	1.2758	0.4314	1.7559	0.0228	0	0
Nitrogen Dioxide	R10	2	1	17	78	10	0	0.0053	0.0224	0.2353	0.2099	0.9149	1.5643	1.0588		0.2021	0.1684	0.6086	1.4119	2.5839	1.2704	0.4295	1.7484	0.0226	0	0
Nitrogen Dioxide	R10	2	2	17	80	10	0	0.0053	0.0222	0.2346	0.2092	0.9111	1.559	1.0543		0.2012	0.1677	0.606	1.4058	2.5728	1.265	0.4277	1.7491	0.0223	0	0
Nitrogen Dioxide	R10	2	3	17	81	10	0	0.0053	0.0221	0.2342	0.2089	0.909	1.5554	1.052		0.2007	0.1673	0.6047	1.4028	2.5673	1.2623	0.4268	1.7372	0.0224	0	0
Nitrogen Dioxide	R10	2	4	17	82	10	0	0.0053	0.022	0.2339	0.2085	0.9071	1.5517	1.0498		0.2003	0.1669	0.6034	1.3998	2.5618	1.2596	0.4259	1.7335	0.0223	0	0
Nitrogen Dioxide	R10	2	5	16	83	10	0	0.0054	0.0228	0.2355	0.21	0.9156	1.5695	1.0596		0.2023	0.1686	0.6091	1.4129	2.5857	1.2713	0.4298	1.7497	0.0228	0	0
Nitrogen Dioxide	R10	2	6	16	83	10	0	0.0054	0.0228	0.2355	0.21	0.9156	1.5695	1.0596		0.2023	0.1686	0.6091	1.4129	2.5857	1.2713	0.4298	1.7497	0.0228	0	0
Nitrogen Dioxide	R10	2	7	16	83	10	0	0.0054	0.0228	0.2355	0.21	0.9156	1.5695	1.0596		0.2023	0.1686	0.6091	1.4129	2.5857	1.2713	0.4298	1.7497	0.0228	0	0
Nitrogen Dioxide	R10	2	8	17	80	10	0	0.0053	0.0221	0.2342	0.2089	0.909	1.5554	1.052		0.2007	0.1673	0.6047	1.4028	2.5673	1.2623	0.4268	1.7372	0.0224	0	0
Nitrogen Dioxide	R10	2	9	18	77	10	122	0.0052	0.0217	0.2337	0.2085	0.9066	1.5489	1.0492		0.2001	0.1668	0.603	1.399	2.5603	1.2588	0.4256	1.7325	0.0221	1.12293	1.81117
Nitrogen Dioxide	R10	2	10	19	73	10	258	0.0051	0.0213	0.2332	0.2081	0.9046	1.5432	1.0468		0.1996	0.1663	0.6017	1.3959	2.5547	1.256	0.4247	1.7286	0.0218	1.12184	1.80941
Nitrogen Dioxide	R10	2	11	20	70	10	243	0.005	0.0209	0.2324	0.2075	0.9007	1.5342	1.0424		0.1986	0.1655	0.5991	1.39	2.5438	1.2507	0.4229	1.7213	0.0215	1.11526	1.79881
Nitrogen Dioxide	R10	2	12	20	68	10	224	0.005	0.021	0.2333	0.2083	0.9055	1.5431	1.0479		0.1997	0.1664	0.6023	1.3973	2.5572	1.2573	0.4251	1.7304	0.0217	1.12306	1.81139
Nitrogen Dioxide	R10	2	13	21	65	10	217	0.005	0.0209	0.2327	0.2077	0.9022	1.5352	1.0441		0.1989	0.1658	0.6001	1.3923	2.5481	1.2528	0.4236	1.7242	0.0213	1.11652	1.80084
Nitrogen Dioxide	R10	2	14	21	65	10	193	0.005	0.0209	0.2327	0.2077	0.9022	1.5352	1.0441		0.1989	0.1658	0.6001	1.3923	2.5481	1.2528	0.4236	1.7242	0.0213	1.11353	1.79895
Nitrogen Dioxide	R10	2	15	21	66	10	233	0.005	0.0208	0.2322	0.2073	0.8997	1.5305	1.0412		0.1983	0.1653	0.5984	1.3884	2.5409	1.2493	0.4224	1.7193	0.0212	1.11616	1.80025
Nitrogen Dioxide	R10	2	16	20	68	10	230	0.005	0.021	0.2333	0.2083	0.9055	1.5431	1.0479		0.1997	0.1664	0.6023	1.3973	2.5572	1.2573	0.4251	1.7304	0.0217	1.1211	1.80823
Nitrogen Dioxide	R10	2	17	20	70	10	251	0.005	0.0209	0.2324	0.2075	0.9007	1.5342	1.0424		0.1986	0.1655	0.5991	1.39	2.5438	1.2507	0.4229	1.7213	0.0215	1.1149	1.79822
Nitrogen Dioxide	R10	2	18	19	74	10	221	0.0051	0.0212	0.2328	0.2077	0.9023	1.5391	1.0442		0.1991	0.1659	0.6002	1.3925	2.5484	1.2529	0.4236	1.7244	0.0217	1.12034	1.807
Nitrogen Dioxide	R10	2	19	18	76	10	77	0.0052	0.0218	0.234	0.2088	0.9087	1.5527	1.0516		0.2006	0.1672	0.6044	1.4022	2.5662	1.2617	0.4266	1.7365	0.0222	1.12319	1.81159
Nitrogen Dioxide	R10	2	20	18	78	10	0	0.0052	0.0216	0.2333	0.2081	0.9045	1.545	1.0467		0.1996	0.1664	0.6016	1.3958	2.5544	1.2559	0.4246	1.7285	0.022	0	0
Nitrogen Dioxide	R10	2	21	18	78	10	0	0.0052	0.0216	0.2333	0.2081	0.9045	1.545	1.0467		0.1996	0.1664	0.6016	1.3958	2.5544	1.2559	0.4246	1.7285	0.022	0	0
Nitrogen Dioxide	R10	2	22	18	78	10	0	0.0052	0.0216	0.2333	0.2081	0.9045	1.545	1.0467		0.1996	0.1664	0.6016	1.3958	2.5544	1.2559	0.4246	1.7285	0.022	0	0
Nitrogen Dioxide	R10	2	23	18	78	10	0	0.0052	0.0216	0.2333	0.2081	0.9045	1.545	1.0467		0.1996	0.1664	0.6016	1.3958	2.5544	1.2559	0.4246	1.7285	0.022	0	0
Nitrogen Dioxide	R10	2	24	18	78	10	0	0.0052	0.0216	0.2333	0.2081	0.9045	1.545	1.0467		0.1996	0.1664	0.6016	1.3958	2.5544	1.2559	0.4246	1.7285	0.022	0	0
Nitrogen Dioxide	R10	3	1	21	86	10	0	0.0045	0.0189	0.2229	0.1987	0.8489	1.4363	0.9824		0.1867	0.1557	0.5645	1.3099	2.3973	1.1787	0.3985	1.6222	0.0191	0	0
Nitrogen Dioxide	R10	3	2	20	87	10	0	0.0046	0.0194	0.225	0.2006	0.8602	1.459	0.9955		0.1894	0.1579	0.5721	1.3275	2.4294	1.1945	0.4039	1.6439	0.0197	0	0
Nitrogen Dioxide	R10	3	3	20	87	10	0	0.0046	0.0194	0.225	0.2006	0.8602	1.459	0.9955		0.1894	0.1579	0.5721	1.3275	2.4294	1.1945	0.4039	1.6439	0.0197	0	0
Nitrogen Dioxide	R10	3	4	20	87	10	0	0.0046	0.0194	0.225	0.2006	0.8602	1.459	0.9955		0.1894	0.1579	0.5721	1.3275	2.4294	1.1945	0.4039	1.6439	0.0197	0	0
Nitrogen Dioxide	R10	3	5	20	87	10	0	0.0046	0.0194	0.225	0.2006	0.8602	1.459	0.9955		0.1894	0.1579	0.5721	1.3275	2.4294	1.1945	0.4039	1.6439	0.0197	0	0
Nitrogen Dioxide	R10	3	6	20	87	10	0	0.0046	0.0194	0.225	0.2006	0.8602	1.459	0.9955		0.1894	0.1579	0.5721	1.3275	2.4294	1.1945	0.4039	1.6439	0.0197	0	0
Nitrogen Dioxide	R10	3	7	20	87	10	0	0.0046	0.0194	0.225	0.2006	0.8602	1.459	0.9955		0.1894	0.1579	0.5721	1.3275	2.4294	1.1945	0.4039	1.6439	0.0197	0	0
Nitrogen Dioxide	R10	3	8	20	86	10	0	0.0047	0.0195	0.2254	0.201	0.8626	1.4634	0.9983		0.1899	0.1584	0.5737	1.3311	2.4361	1.1978	0.403	1.6484	0.0198	0	0
Nitrogen Dioxide	R10	3	9	21	83	10	122	0.0046	0.0192	0.2243	0.2	0.8565	1.4504	0.9912		0.1885	0.1572	0.5696	1.3217	2.4189	1.1893	0.4021	1.6367	0.0194	1.05895	1.70799
Nitrogen Dioxide	R10	3	10	22	79	10	258	0.0046	0.0191	0.2237	0.1995	0.8533	1.4429	0.9875		0.1877	0.1565	0.5674	1.3168	2.4098	1.1848	0.4006	1.6306	0.0191	1.05634	1.70377
Nitrogen Dioxide	R10	3	11	22	78	10	243	0.0046	0.0192	0.2242	0.1999	0.856	1.4479	0.9908		0.1883	0.157	0.5692	1.3209	2.4175	1.1886	0.4019	1.6358	0.0192	1.05835	1.70701
Nitrogen Dioxide	R10	3	12	23	77	10	224	0.0045	0.0188	0.2222	0.1981	0.8449	1.4258	0.9778		0.1857	0.1549	0.5618	1.3039	2.3862	1.1732	0.3967	1.6147	0.0186	1.04478	1.68677
Nitrogen Dioxide	R10	3	13	23	77	10	217	0.0045	0.0188	0.2222	0.1981	0.8449	1.4258	0.9778		0.1857	0.1549	0.5618	1.3039	2.3862	1.1732	0.3967	1.6147	0.0186	1.04386	1.68365
Nitrogen Dioxide	R10	3	14	23	77	10	193	0.0045	0.0188	0.2222	0.1981	0.8449	1.4258	0.9778		0.1857	0.1549	0.5618	1.3039	2.3862	1.1732	0.3967	1.6147	0.0186	1.04279	1.68193
Nitrogen Dioxide	R10	3	15	23	76	10	235	0.0045	0.0189	0.2227	0.1985	0.8478	1.4312	0.9812		0.1864	0.1555	0.5638	1.3083	2.3944	1.1772	0.398	1.6202	0.0187	1.05014	1.69377
Nitrogen Dioxide	R10	3	16	23	77	10	230	0.0045	0.0188	0.2222	0.1981	0.8449	1.4258	0.9778		0.1857	0.1549	0.5618	1.3039	2.3862	1.1732	0.3967	1.6147	0.0186	1.04403	1.68391
Nitrogen Dioxide	R10	3	17	22	77	10	251	0.0046	0.0191	0.2237	0.1995	0.8533	1.4429	0.9875		0.1877	0.1565	0.5674	1.3168	2.4098	1.1848	0.4006	1.6306	0.0191	1.05463	1.70102
Nitrogen Dioxide	R10	3	18	22	82	10	221	0.0045	0.0188	0.2222	0.1981	0.8452	1.4278	0.9781		0.1858	0.1551	0.562	1.3042	2.3869	1.1735	0.3968	1.6151	0.0187	1.04728	1.68917
Nitrogen Dioxide	R10	3	19	21	84	10	77	0.0046	0.0191	0.2238	0.1996	0.8539	1.4457	0.9882		0.1879	0.1567	0.5679	1.3178	2.4117	1.1857	0.4009	1.6319	0.0193	1.05356	1.69929
Nitrogen Dioxide	R10	3	20	21	85	10	0	0.0046	0.019	0.2234	0.1992	0.8514	1.441	0.9853		0.1873	0.1562	0.5662	1.3139	2.4045	1.1822	0.3997	1.627	0.0192	0	0
Nitrogen Dioxide	R10	3	21	21	86	10	0	0.0045	0.0189	0.2229	0.1987	0.8489	1.4363	0.9824		0.1867	0.1557	0.5645	1.3099	2.3973	1.1787	0.3985	1.6222	0.0191	0	0
Nitrogen Dioxide	R10	3	22	21	86	10	0	0.0045	0.0189	0.2229	0.1987	0.8489	1.4363	0.9824		0.1867	0.1557	0.5645	1.3099	2.3973	1.1787	0.3985	1.6222	0.0191	0	0
Nitrogen Dioxide	R10	3	23	21	85	10	0	0.0046	0.019	0.2234	0.1992	0.8514	1.441	0.9853		0.1873	0.1562	0.5662	1.3139	2.4045	1.1822	0.3997	1.627	0.0192	0	0
Nitrogen Dioxide	R10	3	24	21	86	10	0	0.0045	0.0189	0.2229	0.1987	0.8489	1.4363	0.9824		0.1867	0.1557	0.5645	1.3099	2.3973	1.1787	0.3985	1.6222	0.0191	0	0
Nitrogen Dioxide	R10	4	1	20	83	10	0	0.0047	0.0197	0.2267	0.2022	0.8697	1.4767	1.0065		0.1916	0.1597	0.5784	1.3422	2.4563	1.2077	0.4083	1.6623	0.0203	0	0
Nitrogen Dioxide	R10	4	2	20	85	10	0	0.0047	0.0196	0.2259	0.2014	0.865	1.4679	1.001		0.1905	0.1588	0.5752	1.3348	2.4429	1.2011	0.4061	1.653	0.0199	0	0
Nitrogen Dioxide	R10	4	3	20	84	10	0	0.0047	0.0197	0.2263	0.2018	0.8674	1.4723	1.0038		0.191	0.1593	0.5768	1.3385	2.4496	1.2044	0.4072	1.6575	0.02	0	0
Nitrogen Dioxide	R10	4	4	20	85	10	0	0.0047	0.0196	0.2259	0.2014	0.865	1.4679	1.001		0.1905	0.1588	0.5752	1.3348	2.4429	1.2011	0.4061	1.653	0.0199	0	0
Nitrogen Dioxide	R10	4	5	19	84	10	0	0.0048	0.0202	0.2286	0.204	0.88	1.4976	1.0184		0.194	0.1617	0.5853	1.358	2.4853	1.222	0.4132	1.6817	0.0207	0	0
Nitrogen Dioxide	R10	4	6	19	84	10	0	0.0048	0.0202	0.2286	0.204	0.88	1.4976	1.0184		0.194	0.1617	0.5853	1.358	2.4853	1.222	0.4132	1.6817	0.0207	0	0
Nitrogen Dioxide	R10	4	7	20	84	10	0	0.0047	0.0197	0.2263	0.2018	0.8674	1.4723	1.0038		0.191	0.1593	0.5768	1.3385	2.4496	1.2044	0.4072	1.6575	0.02	0	0
Nitrogen Dioxide	R10	4	8	21	79	10	0	0.0047	0.0196	0.2262	0.2017	0.8666	1.4693	1.003		0.1908	0.1591	0.5763	1.3374	2.4476	1.2034	0.4069	1.6562	0.0198	0	0
Nitrogen Dioxide	R10	4	9	22	73	10	122	0.0047	0.0197	0.2267	0.2022	0.8696	1.473	1.0063		0.1914	0.1596	0.5783	1.3419	2.4558	1.2074	0.4082	1.6617	0.0198	1.07516	1.73412
Nitrogen Dioxide	R10	4	10	23	69	10	258	0.0047	0.0196	0.2264	0.202	0.868	1.4685	1.0046		0.191	0.1592	0.5773	1.3395	2.4515	1.2053	0.4075	1.6588	0.0196	1.07472	1.73343
Nitrogen Dioxide	R10	4	11	23	69	10	243	0.0047	0.0197	0.2269	0.2024	0.8709	1.4738	1.0079		0.1917	0.1598	0.5792	1.344	2.4597	1.2094	0.4089	1.6644	0.0197	1.07692	1.73697
Nitrogen Dioxide	R10	4	12	24	66	10	224	0.0047	0.0195	0.2257	0.2013	0.8642	1.46	1.0002		0.1901	0.1585	0.5747	1.3337	2.4408	1.2001	0.4057	1.6516	0.0193	1.06999	1.72579
Nitrogen Dioxide	R10	4	13	24	65	10	217	0.0047	0.0196	0.2263	0.2018	0.8673	1.4657	1.0037		0.1908	0.1591	0.5768	1.3384	2.4495	1.2043	0.4072	1.6575	0.0194	1.07183	1.72876
Nitrogen Dioxide	R10	4	14	24	66	10	193	0.0047	0.0195	0.2257	0.2013	0.8642	1.46	1.0002		0.1901	0.1585	0.5747	1.3337	2.4408	1.2001	0.4057	1.6516	0.0193	1.06691	1.72082
Nitrogen Dioxide	R10	4	15	24	66	10	235	0.0047	0.0195	0.2257	0.2013	0.8642	1.46	1.0002		0.1901	0.1585	0.5747	1.3337	2.4408	1.2001	0.4057	1.6516	0.0193	1.07064	1.72683
Nitrogen Dioxide	R10	4	16	24	67	10	230	0.0046	0.0194

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:

(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.

(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Dioxide	R10	6	24	28	87	10	0	0.0035	0.0145	0.2001	0.1778	0.7244	1.2022	0.8383		0.1583	0.1322	0.4814	1.1178	2.0457	1.0058	0.3401	1.3843	0.0135	0	0
Nitrogen Dioxide	R10	7	1	28	84	10	0	0.0036	0.015	0.2023	0.1798	0.7362	1.224	0.852		0.161	0.1345	0.4893	1.1361	2.0792	1.0223	0.3456	1.4069	0.014	0	0
Nitrogen Dioxide	R10	7	2	28	84	10	0	0.0036	0.015	0.2023	0.1798	0.7362	1.224	0.852		0.161	0.1345	0.4893	1.1361	2.0792	1.0223	0.3456	1.4069	0.014	0	0
Nitrogen Dioxide	R10	7	3	28	86	10	0	0.0035	0.0147	0.2009	0.1784	0.7283	1.2095	0.8429		0.1592	0.133	0.4841	1.1239	2.0569	1.0113	0.3419	1.3918	0.0137	0	0
Nitrogen Dioxide	R10	7	4	28	86	10	0	0.0035	0.0147	0.2009	0.1784	0.7283	1.2095	0.8429		0.1592	0.133	0.4841	1.1239	2.0569	1.0113	0.3419	1.3918	0.0137	0	0
Nitrogen Dioxide	R10	7	5	28	88	10	0	0.0035	0.0144	0.1994	0.1771	0.7204	1.195	0.8337		0.1574	0.1315	0.4788	1.1117	2.0346	1.0004	0.3382	1.3762	0.0133	0	0
Nitrogen Dioxide	R10	7	6	27	88	10	0	0.0036	0.015	0.2031	0.1806	0.7409	1.2328	0.8575		0.162	0.1354	0.4925	1.1434	2.0925	1.0288	0.3479	1.4159	0.0142	0	0
Nitrogen Dioxide	R10	7	7	28	86	10	0	0.0035	0.0147	0.2009	0.1784	0.7283	1.2095	0.8429		0.1592	0.133	0.4841	1.1239	2.0569	1.0113	0.3419	1.3918	0.0137	0	0
Nitrogen Dioxide	R10	7	8	29	81	10	0	0.0036	0.0148	0.2009	0.1784	0.7282	1.2093	0.8427		0.1592	0.133	0.484	1.1237	2.0565	1.0111	0.3419	1.3916	0.0137	0	0
Nitrogen Dioxide	R10	7	9	30	76	10	122	0.0036	0.0151	0.2012	0.1787	0.7296	1.2118	0.8443		0.1595	0.1332	0.4849	1.1259	2.0605	1.0131	0.3425	1.3942	0.0137	0.898852	1.44923
Nitrogen Dioxide	R10	7	10	31	70	10	258	0.0038	0.0157	0.2027	0.18	0.7374	1.2262	0.8533		0.1612	0.1347	0.4901	1.1379	2.0825	1.0239	0.3462	1.4091	0.0141	0.90967	1.46721
Nitrogen Dioxide	R10	7	11	31	68	10	243	0.0039	0.0161	0.2045	0.1815	0.7468	1.2436	0.8643		0.1634	0.1365	0.4964	1.1524	2.1091	1.037	0.3506	1.4271	0.0144	0.92049	1.48467
Nitrogen Dioxide	R10	7	12	32	67	10	224	0.0038	0.0158	0.2019	0.1792	0.7326	1.2174	0.8478		0.1602	0.1339	0.4869	1.1305	2.0689	1.0172	0.3439	1.3999	0.0139	0.9039	1.4579
Nitrogen Dioxide	R10	7	13	32	66	10	217	0.0038	0.016	0.2028	0.18	0.7376	1.2266	0.8536		0.1613	0.1348	0.4902	1.1382	2.083	1.0242	0.3463	1.4095	0.0141	0.90896	1.46549
Nitrogen Dioxide	R10	7	14	32	66	10	193	0.0038	0.016	0.2028	0.18	0.7376	1.2266	0.8536		0.1613	0.1348	0.4902	1.1382	2.083	1.0242	0.3463	1.4095	0.0141	0.90771	1.46405
Nitrogen Dioxide	R10	7	15	31	68	10	235	0.0039	0.0161	0.2045	0.1815	0.7468	1.2436	0.8643		0.1634	0.1365	0.4964	1.1524	2.1091	1.037	0.3506	1.4271	0.0144	0.92241	1.48775
Nitrogen Dioxide	R10	7	16	31	69	10	230	0.0038	0.0159	0.2036	0.1808	0.7421	1.2349	0.8588		0.1623	0.1356	0.4932	1.1452	2.0958	1.0304	0.3484	1.4181	0.0142	0.9144	1.47483
Nitrogen Dioxide	R10	7	17	31	70	10	251	0.0038	0.0157	0.2027	0.18	0.7374	1.2262	0.8533		0.1612	0.1347	0.4901	1.1379	2.0825	1.0239	0.3462	1.4091	0.0141	0.90827	1.46495
Nitrogen Dioxide	R10	7	18	30	73	10	221	0.0038	0.0157	0.2037	0.1809	0.7429	1.2364	0.8598		0.1625	0.1357	0.4938	1.1464	2.0981	1.0316	0.3488	1.4197	0.0143	0.91774	1.48022
Nitrogen Dioxide	R10	7	19	29	76	10	77	0.0038	0.0157	0.2048	0.1819	0.7491	1.2479	0.8669		0.1639	0.1369	0.4974	1.156	2.1157	1.0402	0.3517	1.4316	0.0145	0.92133	1.48601
Nitrogen Dioxide	R10	7	20	29	81	10	0	0.0037	0.0152	0.2024	0.1798	0.7366	1.2247	0.8524		0.1611	0.1345	0.4896	1.1366	2.0802	1.0228	0.3458	1.4076	0.014	0	0
Nitrogen Dioxide	R10	7	21	29	81	10	0	0.0036	0.0148	0.2009	0.1784	0.7282	1.2093	0.8427		0.1592	0.133	0.484	1.1237	2.0565	1.0111	0.3419	1.3916	0.0137	0	0
Nitrogen Dioxide	R10	7	22	29	82	10	0	0.0035	0.0147	0.2001	0.1777	0.724	1.2016	0.8379		0.1582	0.1322	0.4812	1.1173	2.0447	1.0053	0.3399	1.3836	0.0135	0	0
Nitrogen Dioxide	R10	7	23	28	83	10	0	0.0036	0.0151	0.203	0.1804	0.7401	1.2313	0.8565		0.1619	0.1352	0.4919	1.1422	2.0903	1.0277	0.3475	1.4144	0.0141	0	0
Nitrogen Dioxide	R10	7	24	28	84	10	0	0.0036	0.015	0.2023	0.1798	0.7362	1.224	0.852		0.161	0.1345	0.4893	1.1361	2.0792	1.0223	0.3456	1.4069	0.014	0	0
Nitrogen Dioxide	R10	8	1	27	90	10	0	0.0035	0.0147	0.2018	0.1793	0.7335	1.2191	0.8489		0.1604	0.134	0.4875	1.1319	2.0716	1.0185	0.3444	1.4017	0.0139	0	0
Nitrogen Dioxide	R10	8	2	26	90	10	0	0.0037	0.0154	0.2054	0.1827	0.7533	1.2558	0.8719		0.1649	0.1377	0.5008	1.1627	2.1279	1.0462	0.3517	1.4298	0.0147	0	0
Nitrogen Dioxide	R10	8	3	26	91	10	0	0.0037	0.0152	0.2047	0.1821	0.75	1.2494	0.8679		0.1641	0.137	0.4985	1.1573	2.118	1.0414	0.3521	1.4332	0.0145	0	0
Nitrogen Dioxide	R10	8	4	26	92	10	0	0.0036	0.0151	0.2041	0.1815	0.7465	1.243	0.8639		0.1633	0.1364	0.4962	1.1519	2.1082	1.0365	0.3505	1.4265	0.0144	0	0
Nitrogen Dioxide	R10	8	5	26	93	10	0	0.0036	0.0149	0.2035	0.1809	0.743	1.2365	0.8598		0.1625	0.1357	0.4938	1.1464	2.0983	1.0317	0.3488	1.4198	0.0143	0	0
Nitrogen Dioxide	R10	8	6	26	94	10	0	0.0036	0.0148	0.2028	0.1803	0.7395	1.2301	0.8558		0.1617	0.1351	0.4915	1.1412	2.0885	1.0268	0.3472	1.4132	0.0141	0	0
Nitrogen Dioxide	R10	8	7	26	93	10	0	0.0036	0.0149	0.2035	0.1809	0.7431	1.2365	0.8598		0.1625	0.1357	0.4938	1.1464	2.0983	1.0317	0.3488	1.4198	0.0143	0	0
Nitrogen Dioxide	R10	8	8	27	87	10	0	0.0036	0.0151	0.2038	0.1812	0.7446	1.2396	0.8618		0.1629	0.136	0.495	1.1491	2.103	1.034	0.3496	1.423	0.0143	0	0
Nitrogen Dioxide	R10	8	9	29	81	10	122	0.0036	0.0148	0.2009	0.1784	0.7282	1.2093	0.8427		0.1592	0.133	0.484	1.1237	2.0565	1.0111	0.3419	1.3916	0.0137	0.89679	1.44643
Nitrogen Dioxide	R10	8	10	30	76	10	258	0.0036	0.0151	0.2012	0.1787	0.7296	1.2118	0.8443		0.1595	0.1332	0.4849	1.1259	2.0605	1.0131	0.3425	1.3942	0.0137	0.89985	1.45137
Nitrogen Dioxide	R10	8	11	30	73	10	243	0.0038	0.0157	0.2037	0.1809	0.7429	1.2364	0.8598		0.1625	0.1357	0.4938	1.1464	2.0981	1.0316	0.3488	1.4197	0.0143	0.91559	1.47676
Nitrogen Dioxide	R10	8	12	30	73	10	224	0.0038	0.0157	0.2037	0.1809	0.7429	1.2364	0.8598		0.1625	0.1357	0.4938	1.1464	2.0981	1.0316	0.3488	1.4197	0.0143	0.91696	1.47897
Nitrogen Dioxide	R10	8	13	30	74	10	217	0.0037	0.0155	0.2029	0.1801	0.7385	1.2282	0.8546		0.1615	0.1349	0.4908	1.1396	2.0856	1.0254	0.3467	1.4112	0.0141	0.90969	1.46725
Nitrogen Dioxide	R10	8	14	30	74	10	193	0.0037	0.0155	0.2029	0.1801	0.7385	1.2282	0.8546		0.1615	0.1349	0.4908	1.1396	2.0856	1.0254	0.3467	1.4112	0.0141	0.9088	1.46581
Nitrogen Dioxide	R10	8	15	30	75	10	235	0.0037	0.0153	0.202	0.1794	0.734	1.22	0.8495		0.1605	0.1341	0.4879	1.1327	2.073	1.0192	0.3446	1.4027	0.0139	0.90626	1.46171
Nitrogen Dioxide	R10	8	16	29	77	10	230	0.0037	0.0155	0.204	0.1812	0.7449	1.2402	0.8621		0.1631	0.1361	0.4952	1.1496	2.1039	1.0344	0.3497	1.4236	0.0144	0.91799	1.48063
Nitrogen Dioxide	R10	8	17	29	79	10	251	0.0037	0.0152	0.2024	0.1798	0.7366	1.2247	0.8524		0.1611	0.1345	0.4896	1.1366	2.0802	1.0228	0.3458	1.4076	0.014	0.90728	1.46336
Nitrogen Dioxide	R10	8	18	28	80	10	221	0.0038	0.0156	0.2052	0.1824	0.7521	1.2531	0.8702		0.1646	0.1374	0.4998	1.1604	2.1237	1.0442	0.353	1.437	0.0146	0.92911	1.49856
Nitrogen Dioxide	R10	8	19	28	82	10	77	0.0037	0.0153	0.2038	0.1811	0.7467	1.2386	0.8611		0.1628	0.1359	0.4936	1.1453	2.1014	1.0372	0.3493	1.4219	0.0143	0.91503	1.47585
Nitrogen Dioxide	R10	8	20	28	84	10	0	0.0036	0.015	0.2023	0.1798	0.7362	1.224	0.852		0.161	0.1345	0.4893	1.1361	2.0792	1.0223	0.3456	1.4069	0.014	0	0
Nitrogen Dioxide	R10	8	21	27	85	10	0	0.0037	0.0154	0.2052	0.1824	0.7521	1.2533	0.8703		0.1646	0.1374	0.4999	1.1606	2.124	1.0443	0.3531	1.4372	0.0146	0	0
Nitrogen Dioxide	R10	8	22	27	87	10	0	0.0036	0.0151	0.2038	0.1812	0.7446	1.2396	0.8618		0.1629	0.136	0.495	1.1491	2.103	1.034	0.3496	1.423	0.0143	0	0
Nitrogen Dioxide	R10	8	23	27	88	10	0	0.0036	0.015	0.2031	0.1806	0.7409	1.2328	0.8575		0.162	0.1354	0.4925	1.1434	2.0925	1.0288	0.3479	1.4159	0.0142	0	0
Nitrogen Dioxide	R10	8	24	27	89	10	0	0.0036	0.0148	0.2024	0.1799	0.7372	1.2259	0.8532		0.1612	0.1347	0.49	1.1377	2.0921	1.0257	0.3461	1.4088	0.014	0	0
Nitrogen Dioxide	R10	9	1	27	89	10	0	0.0036	0.0148	0.2024	0.1799	0.7372	1.2259	0.8532		0.1612	0.1347	0.49	1.1377	2.0821	1.0257	0.3461	1.4088	0.014	0	0
Nitrogen Dioxide	R10	9	2	26	89	10	0	0.0037	0.0155	0.206	0.1833	0.7569	1.2623	0.876		0.1657	0.1384	0.5032	1.1681	2.1377	1.0511	0.3554	1.4465	0.0148	0	0
Nitrogen Dioxide	R10	9	3	26	91	10	0	0.0037	0.0152	0.2047	0.1821	0.75	1.2494	0.8679		0.1641	0.137	0.4985	1.1573	2.118	1.0414	0.3521	1.4332	0.0145	0	0
Nitrogen Dioxide	R10	9	4	26	92	10	0	0.0036	0.0151	0.2041	0.1815	0.7465	1.243	0.8639		0.1633	0.1364	0.4962	1.1519	2.1082	1.0365	0.3505	1.4265	0.0144	0	0
Nitrogen Dioxide	R10	9	5	26	92	10	0	0.0036	0.0151	0.2041	0.1815	0.7465	1.243	0.8639		0.1633	0.1364	0.4962	1.1519	2.1082	1.0365	0.3505	1.4265	0.0144	0	0
Nitrogen Dioxide	R10	9	6	26	93	10	0	0.0036	0.0149	0.2035	0.1809	0.743	1.2365	0.8598		0.1625	0.1357	0.4938	1.1464	2.0983	1.0317	0.3488	1.4198	0.0143	0	0
Nitrogen Dioxide	R10	9	7	26	93	10	0	0.0036	0.0149	0.2035	0.1809	0.743	1.2365	0.8598		0.1625	0.1357	0.4938	1.1464	2.0983	1.0317	0.3488	1.4198	0.0143	0	0
Nitrogen Dioxide	R10	9	8	27	88	10	0	0.0036	0.015	0.2031	0.1806	0.7409	1.2328	0.8575		0.162	0.1354	0.4925	1.1434	2.0925	1.0288	0.3479	1.4159	0.0142	0	0
Nitrogen Dioxide	R10	9	9	28	83	10	122	0.0036	0.0151	0.203	0.1804	0.7401	1.2313	0.8565		0.1619	0.1352	0.4919	1.1422	2.0903	1.0277	0.3475	1.4144	0.0141	0.9118	1.47064
Nitrogen Dioxide	R10	9	10	29	78	10	258	0.0037	0.0153	0.2032	0.1805	0.7408	1.2324	0.8573		0.1632	0.1353	0.4924	1.1431	2.092	1.0286	0.3478	1.4156	0.0142	0.914	1.4742
Nitrogen Dioxide	R10	9	11	29	76	10	243	0.0038	0.0157	0.2048	0.1819	0.7491	1.2479	0.8669		0.1639	0.1369	0.4974	1.156	2.1157	1.0402	0.3517	1.4316	0.0145	0.92334	1.48927
Nitrogen Dioxide	R10	9	12	29	76	10	224	0.0038	0.0157	0.2048	0.1819	0.7491	1.2479	0.8669		0.1639	0.1369	0.4974	1.156	2.1157	1.0402	0.3517	1.4316	0.0145	0.92473	1.48915
Nitrogen Dioxide	R10	9	13	30	75	10	217	0.0037	0.0153	0.202	0.1794	0.734	1.22	0.8495		0.1605	0.1341	0.4879	1.1327	2.073	1.0192	0.3446	1.4027	0.0139	0.90414	1.45828
Nitrogen Dioxide	R10	9	14	29	75	10	193	0.0038	0.0159	0.2055	0.1826	0.7533	1.2556	0.8718		0.1649	0.1377	0.5007	1.1625	2.1275	1.046	0.3537	1.4396	0.0147	0.92748	1.49594
Nitrogen Dioxide	R10	9	15	29	77	10	235	0.0037	0.0155	0.204	0.1812	0.7449	1.2402	0.8621		0.1631	0.1361	0.4952	1.1496	2.1039	1.0344	0.3497	1.4236	0.0144	0.92002	1.48391
Nitrogen Dioxide	R10	9	16	29	76	10	230	0.0038	0.0157	0.2048	0.1819	0.7491	1.2479	0.8669		0.1639	0.1369	0.4974	1.156	2.1157	1.0402	0.3517	1.4316	0.0145	0.92322	1.48907
Nitrogen Dioxide	R10	9	17	29	78	10	251	0.0037	0.0153	0.2032	0.1805	0.7408	1.2324	0.8573		0.1632	0.1353	0.4924	1.1431	2.092	1.0286	0.3478	1.4156	0.0142	0.91259	1.47193
Nitrogen Dioxide	R10	9	18	28	81	10	221	0.0037	0.0154	0.2045	0.1818	0.748	1.2458	0.8657		0.1637	0.1367	0.4972	1.1543	2.1126	1.0387	0.3512	1.4295	0.0143	0.92418	1.49061
Nitrogen Dioxide	R10	9	19	27	84	10	77	0.0037	0.0156	0.2059	0.1831	0.7558	1.2601	0.8746		0.1654	0.1381	0.5024	1.1663	2.1345	1.0494	0.3548	1.4443	0.0148	0.92967	1.49947
Nitrogen Dioxide	R10	9	20	27	86	10	0	0.0037	0.0153	0.2045	0.1818	0.7484	1.2464	0.8661		0.1637	0.1367	0.4974	1.1548	2.1135	1.0391	0.3513	1.4303	0.0145	0	0
Nitrogen Dioxide	R10	9	21	27	87	10	0	0.0036	0.0151	0.2038	0.1812	0.7446	1.2396	0.8618		0.1629	0.136	0.495	1.1491	2.103	1.034	0.3496	1.423	0.0143	0	0
Nitrogen Dioxide	R10	9	22	27	89	10	0	0.0036	0.0148	0.2024	0.1799	0.7372	1.2259	0.8532		0.1612	0.1347	0.49	1.1377	2.0821	1.0257	0.3461	1.4088	0.014	0	0
Nitrogen Dioxide	R10	9	23	27	89	10	0	0.0036	0.0148	0.2024	0.1799	0.7372	1.2259	0.8532		0.1612	0.1347	0.49	1.1377	2.0821	1.0257	0.3461	1.4088	0.014	0	0
Nitrogen Dioxide	R10	9	24	26	89	10	0	0.0037	0.0155	0.206	0.1833	0.7569	1.2623	0.876		0.1657	0.1384	0.5032	1.1681	2.1377	1.0511	0.3554	1.4465	0.0148	0	0
Nitrogen Dioxide	R10	10	1	24	74	10	0	0.0045	0.0186	0.2212	0.1972	0.8396	1.4146	0.9717		0.1845	0.1539	0.5583	1.2957	2.3712	1.1658	0.3942	1.6045	0.0182	0	0
Nitrogen Dioxide	R10	10	2	23	74	10	0	0.0046	0.0191	0.2238	0.1995	0.8536	1.4418	0.9878		0.1877	0.1565	0.5676	1.3172	2.4107	1.1853	0.4007	1.6312	0.019	0	0
Nitrogen Dioxide	R10	10	3	23	74	10	0	0.0046	0.0191	0.2238	0.1995	0.8536	1.4418	0.9878		0.1877	0.1565	0.5676	1.3172	2.4107	1.1853	0.4007	1.6312	0.019	0	0
Nitrogen Dioxide	R10	10	4	23	75	10	0	0.0045	0.019	0.2232	0.199	0.8507	1.4365	0.9845		0.1872	0.156	0.5657	1.3128	2.4026	1.1813	0.3994	1.6257	0.0188	0	0
Nitrogen Dioxide	R10	10	5	23	74	10	0	0.0046	0.0191	0.2238	0.1995	0.8536	1.4418	0.9878		0.1877	0.1565	0.5676	1.3172	2.4107	1.1853	0.4007	1.6312	0.019	0	0
Nitrogen Dioxide	R10	10	6	23	75	10	0	0.0045	0.019	0.2232	0.199	0.8507	1.4365	0.9845		0.1872	0.156	0.5657	1.3128	2.4026	1.1813	0.3994	1.6257	0.0188	0	0
Nitrogen Dioxide	R10	10	7	23	75	10	0	0.0045	0.019	0.2232	0.199	0.8507	1.4365	0.9845		0.1871	0.156	0.5657	1.3128	2.4026	1.1813	0.3994	1.6257	0.0188	0	0
Nitrogen Dioxide	R10	10	8	23	72	10	0	0.0046	0.0193	0.2248	0.2005	0.8594	1.4525	0.9945		0.189	0.1576	0.5715	1.3262	2.427	1.1933	0.4035	1.6423	0.0192	0	0
Nitrogen Dioxide	R10	10	9	24	69	10	122	0.0046	0.0192	0.224	0.1998	0.855	1.4431	0.9895		0.1888	0.1568	0.5685	1.3194	2.4147	1.1872	0.4014	1.6339	0.0189	1.05641	1.70389
Nitrogen Dioxide	R10	10	10	25	64	10	258	0.0046	0.0194	0.2246	0.2002	0.8576	1.4478	0.9925		0.1886	0.1572	0.5703	1.3235	2.4221	1.1909	0.4026	1.6389	0.019	1.06132	1.71181
Nitrogen Dioxide	R10	10	11	26	61	10	243	0.0046	0.0194	0.2241	0.1997	0.8546	1.4423	0.989		0.1879	0.1567	0.5683	1.3188	2.4136	1.1867	0.4012	1.6332	0.0189	1.05616	1.70348
Nitrogen Dioxide	R10	10	12	27	60	10	224	0.0046	0.0192	0.2223	0.198	0.8448	1.4242	0.9777		0.1857	0.1548	0.5618	1.3037	2.386	1.1731	0.3966	1.6145	0.0185	1.04547	1.68625
Nitrogen Dioxide	R10	10	13	27	59	10	217	0.0046	0.0193	0.223	0.1987	0.8485	1.4311	0.982		0.1865	0.1555	0.5642	1.3094	2.3964	1.1783	0.3984	1.6216	0.0186	1.04823	1.69069
Nitrogen Dioxide	R10	10	14	27	59	10	193	0.0046	0.0193	0.223	0.1987	0.8485	1.4311	0.982		0.1865	0.1555	0.5642	1.3094	2.3964	1.1783	0.3984	1.6216	0.0186	1.04715	1.68896
Nitrogen Dioxide	R10	10	15	27	60	10	235	0.0046	0.0192	0.2223	0.198	0.8448	1.4242	0.9777		0.1857	0.1548	0.5618	1.3037	2.386	1.1731	0.3966	1.6145	0.0185	1.0461	1.68726
Nitrogen Dioxide	R10	10	16	27	62	10	230	0.0045	0.0189	0.2209	0.1968	0.8374	1.4106	0.9691		0.184	0.1534	0.5568	1.2923	2.365	1.1628	0.3951	1.6003	0.0182	1.03437	1.66833
Nitrogen Dioxide	R10	10	17	26	65	10	251	0.0045	0.0188	0.2215	0.1973	0.8407	1.4166	0.9729		0.1847	0.154	0.559	1.2973	2.3742	1.1673	0.3947	1.6065	0.0183	1.03831	1.67469
Nitrogen Dioxide	R10	10	18	25	67	10	221	0.0045	0.019	0.2227	0.1985	0.8478	1.4297	0.9811		0.1863	0.1554	0.5637	1.3083	2.3943	1.1772	0.398	1.6201	0.0186	1.05012	1.69373
Nitrogen Dioxide	R10	10	19	25	69	10	77	0.0045	0.0187	0.2215	0.1974	0.8413	1.4176	0.9735		0.1849	0.1542	0.5594	1.2982	2.3758	1.1681	0.3949	1.6076	0.0183	1.03694	1.67249
Nitrogen Dioxide	R10	10	20	25	71	10	0	0.0044	0.0185	0.2203	0.1963	0.8347	1.4055	0.966		0.1834	0.1529	0.555	1.2881	2.3573	1.159	0.3919	1.5961	0.018	0	0
Nitrogen Dioxide	R10	10	21	24	71	10	0	0.0045

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:
(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.
(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Dioxide	R11	1	5	17	78	10	80								1.0371										1.0371	1.67274
Nitrogen Dioxide	R11	1	6	17	77	10	80								1.0393										1.0393	1.67629
Nitrogen Dioxide	R11	1	7	16	77	10	80								1.0503										1.0503	1.69403
Nitrogen Dioxide	R11	1	8	17	77	10	80								1.0393										1.0393	1.67629
Nitrogen Dioxide	R11	1	9	17	73	10	80								1.0482										1.0482	1.69065
Nitrogen Dioxide	R11	1	10	19	69	10	80								1.0355										1.0355	1.67016
Nitrogen Dioxide	R11	1	11	20	64	10	80								1.0372										1.0372	1.6729
Nitrogen Dioxide	R11	1	12	21	62	10	80								1.0314										1.0314	1.66355
Nitrogen Dioxide	R11	1	13	21	61	10	80								1.0343										1.0343	1.66823
Nitrogen Dioxide	R11	1	14	21	62	10	80								1.0314										1.0314	1.66355
Nitrogen Dioxide	R11	1	15	21	62	10	80								1.0314										1.0314	1.66355
Nitrogen Dioxide	R11	1	16	21	63	10	80								1.0285										1.0285	1.65887
Nitrogen Dioxide	R11	1	17	20	67	10	80								1.0291										1.0291	1.65984
Nitrogen Dioxide	R11	1	18	19	72	10	80								1.0279										1.0279	1.6579
Nitrogen Dioxide	R11	1	19	18	74	10	80								1.0348										1.0348	1.66903
Nitrogen Dioxide	R11	1	20	18	74	10	80								1.0348										1.0348	1.66903
Nitrogen Dioxide	R11	1	21	18	75	10	80								1.0324										1.0324	1.66516
Nitrogen Dioxide	R11	1	22	18	76	10	80								1.03										1.03	1.66129
Nitrogen Dioxide	R11	1	23	18	75	10	80								1.0324										1.0324	1.66516
Nitrogen Dioxide	R11	1	24	17	76	10	80								1.0415										1.0415	1.67984
Nitrogen Dioxide	R11	2	1	17	78	10	80								1.0371										1.0371	1.67274
Nitrogen Dioxide	R11	2	2	17	80	10	80								1.0327										1.0327	1.66565
Nitrogen Dioxide	R11	2	3	17	81	10	80								1.0305										1.0305	1.6621
Nitrogen Dioxide	R11	2	4	17	82	10	80								1.0282										1.0282	1.65839
Nitrogen Dioxide	R11	2	5	16	83	10	80								1.0378										1.0378	1.67387
Nitrogen Dioxide	R11	2	6	16	83	10	80								1.0378										1.0378	1.67387
Nitrogen Dioxide	R11	2	7	16	83	10	80								1.0378										1.0378	1.67387
Nitrogen Dioxide	R11	2	8	17	81	10	80								1.0305										1.0305	1.6621
Nitrogen Dioxide	R11	2	9	18	77	10	80								1.0277										1.0277	1.65758
Nitrogen Dioxide	R11	2	10	19	73	10	80								1.0254										1.0254	1.65387
Nitrogen Dioxide	R11	2	11	20	70	10	80								1.021										1.021	1.64677
Nitrogen Dioxide	R11	2	12	20	68	10	80								1.0264										1.0264	1.65548
Nitrogen Dioxide	R11	2	13	21	65	10	80								1.0227										1.0227	1.64952
Nitrogen Dioxide	R11	2	14	21	65	10	80								1.0227										1.0227	1.64952
Nitrogen Dioxide	R11	2	15	21	66	10	80								1.0199										1.0199	1.645
Nitrogen Dioxide	R11	2	16	20	68	10	80								1.0264										1.0264	1.65548
Nitrogen Dioxide	R11	2	17	20	70	10	80								1.021										1.021	1.64677
Nitrogen Dioxide	R11	2	18	19	74	10	80								1.0228										1.0228	1.64968
Nitrogen Dioxide	R11	2	19	18	76	10	80								1.03										1.03	1.66129
Nitrogen Dioxide	R11	2	20	18	78	10	80								1.0253										1.0253	1.65371
Nitrogen Dioxide	R11	2	21	18	78	10	80								1.0253										1.0253	1.65371
Nitrogen Dioxide	R11	2	22	18	78	10	80								1.0253										1.0253	1.65371
Nitrogen Dioxide	R11	2	23	18	78	10	80								1.0253										1.0253	1.65371
Nitrogen Dioxide	R11	2	24	18	78	10	80								1.0253										1.0253	1.65371
Nitrogen Dioxide	R11	3	1	21	86	10	80								0.9622										0.9622	1.55194
Nitrogen Dioxide	R11	3	2	20	87	10	80								0.9751										0.9751	1.57274
Nitrogen Dioxide	R11	3	3	20	87	10	80								0.9751										0.9751	1.57274
Nitrogen Dioxide	R11	3	4	20	87	10	80								0.9751										0.9751	1.57274
Nitrogen Dioxide	R11	3	5	20	87	10	80								0.9751										0.9751	1.57274
Nitrogen Dioxide	R11	3	6	20	87	10	80								0.9751										0.9751	1.57274
Nitrogen Dioxide	R11	3	7	20	87	10	80								0.9751										0.9751	1.57274
Nitrogen Dioxide	R11	3	8	20	86	10	80								0.9778										0.9778	1.5771
Nitrogen Dioxide	R11	3	9	21	83	10	80								0.9709										0.9709	1.56597
Nitrogen Dioxide	R11	3	10	22	79	10	80								0.9672										0.9672	1.56
Nitrogen Dioxide	R11	3	11	22	78	10	80								0.9703										0.9703	1.565
Nitrogen Dioxide	R11	3	12	23	77	10	80								0.9578										0.9578	1.54484
Nitrogen Dioxide	R11	3	13	23	77	10	80								0.9578										0.9578	1.54484
Nitrogen Dioxide	R11	3	14	23	77	10	80								0.9578										0.9578	1.54484
Nitrogen Dioxide	R11	3	15	23	76	10	80								0.961										0.961	1.55
Nitrogen Dioxide	R11	3	16	23	77	10	80								0.9578										0.9578	1.54484
Nitrogen Dioxide	R11	3	17	22	79	10	80								0.9672										0.9672	1.56
Nitrogen Dioxide	R11	3	18	22	82	10	80								0.958										0.958	1.54516
Nitrogen Dioxide	R11	3	19	21	84	10	80								0.968										0.968	1.56129
Nitrogen Dioxide	R11	3	20	21	85	10	80								0.9651										0.9651	1.55661
Nitrogen Dioxide	R11	3	21	21	86	10	80								0.9622										0.9622	1.55194
Nitrogen Dioxide	R11	3	22	21	86	10	80								0.9622										0.9622	1.55194
Nitrogen Dioxide	R11	3	23	21	85	10	80								0.9651										0.9651	1.55661
Nitrogen Dioxide	R11	3	24	21	86	10	80								0.9622										0.9622	1.55194
Nitrogen Dioxide	R11	4	1	20	83	10	80								0.9859										0.9859	1.59016
Nitrogen Dioxide	R11	4	2	20	85	10	80								0.9805										0.9805	1.58145
Nitrogen Dioxide	R11	4	3	20	84	10	80								0.9832										0.9832	1.58581
Nitrogen Dioxide	R11	4	4	20	85	10	80								0.9805										0.9805	1.58145
Nitrogen Dioxide	R11	4	5	19	84	10	80								0.9975										0.9975	1.60887
Nitrogen Dioxide	R11	4	6	19	84	10	80								0.9975										0.9975	1.60887
Nitrogen Dioxide	R11	4	7	20	84	10	80								0.9832										0.9832	1.58581
Nitrogen Dioxide	R11	4	8	21	79	10	80								0.9824										0.9824	1.58452
Nitrogen Dioxide	R11	4	9	22	73	10	80								0.9857										0.9857	1.58984
Nitrogen Dioxide	R11	4	10	23	69	10	80								0.984										0.984	1.5871
Nitrogen Dioxide	R11	4	11	23	68	10	80								0.9873										0.9873	1.59242
Nitrogen Dioxide	R11	4	12	24	66	10	80								0.9797										0.9797	1.58016
Nitrogen Dioxide	R11	4	13	24	65	10	80								0.9832										0.9832	1.58581
Nitrogen Dioxide	R11	4	14	24	66	10	80								0.9797										0.9797	1.58016
Nitrogen Dioxide	R11	4	15	24	66	10	80								0.9797										0.9797	1.58016
Nitrogen Dioxide	R11	4	16	24	67	10	80								0.9762										0.9762	1.57452
Nitrogen Dioxide	R11	4	17	23	69	10	80								0.984										0.984	1.5871
Nitrogen Dioxide	R11	4	18	22	74	10	80								0.9826										0.9826	1.58484
Nitrogen Dioxide	R11	4	19	22	76	10	80								0.9765										0.9765	1.575
Nitrogen Dioxide	R11	4	20	21	79	10	80								0.9824										0.9824	1.58452
Nitrogen Dioxide	R11	4	21	21	80	10	80								0.9795										0.9795	1.57984
Nitrogen Dioxide	R11	4	22	21	81	10	80								0.9766										0.9766	1.57516
Nitrogen Dioxide	R11	4	23	21	82	10	80								0.9737										0.9737	1.57048
Nitrogen Dioxide	R11	4	24	20	82	10	80								0.9886										0.9886	1.59452
Nitrogen Dioxide	R11	5	1	26	91	10	80								0.8501										0.8501	1.37113
Nitrogen Dioxide	R11	5	2	25	92	10	80								0.8681										0.8681	1.40016
Nitrogen Dioxide	R11	5	3	25	92	10	80								0.8681										0.8681	1.40016
Nitrogen Dioxide	R11	5	4	25	91	10	80								0.8718										0.8718	1.40613
Nitrogen Dioxide	R11	5	5	25	92	10	80								0.8681										0.8681	1.40016
Nitrogen Dioxide	R11	5	6	25	93	10	80								0.8644										0.8644	1.39419
Nitrogen Dioxide	R11	5	7	26	91	10	80								0.8501										0.8501	1.37113
Nitrogen Dioxide	R11	5	8	27	85	10	80								0.8525										0.8525	1.375
Nitrogen Dioxide	R11	5	9	28	80	10	80								0.8524										0.8524	1.37484
Nitrogen Dioxide	R11	5	10	28	78	10	80								0.8613										0.8613	1.38919
Nitrogen Dioxide	R11	5	11	29	77	10	80								0.8444										0.8444	1.36194
Nitrogen Dioxide	R11	5	12	29	75	10	80								0.8539										0.8539	1.37726
Nitrogen Dioxide	R11	5	13	29	74	10	80								0.8587										0.8587	1.385
Nitrogen Dioxide	R11	5	14	29	75	10	80								0.8539										0.8539	1.37726
Nitrogen Dioxide	R11	5	15	29	75	10	80								0.8539										0.8539	1.37726
Nitrogen Dioxide	R11	5	16	29	77	10	80								0.8444										0.8444	1.36194
Nitrogen Dioxide	R11	5	17	28	78	10	80								0.8613										0.8613	1.38919
Nitrogen Dioxide	R11	5	18	28	81	10	80								0.8479										0.8479	1.36758
Nitrogen Dioxide	R11	5	19	27	84	10	80								0.8567										0.8567	1.38177
Nitrogen Dioxide	R11	5	20	27	87	10	80								0.8441										0.8441	1.36145
Nitrogen Dioxide	R11	5	21	27	88	10	80								0.8399										0.8399	1.35468
Nitrogen Dioxide	R11	5	22	26	89	10	80								0.858										0.858	1.38387
Nitrogen Dioxide	R11	5	23	26	89	10	80								0.858										0.858	1.38387
Nitrogen Dioxide	R11	5	24	26	90	10	80								0.8541										0.8541	1.37758
Nitrogen Dioxide	R11	6	1	28	88	10	80								0.8166										0.8166	1.3171
Nitrogen Dioxide	R11	6	2	27	89	10	80								0.8357										0.8357	1.3479
Nitrogen Dioxide	R11	6	3	27	89	10	80								0.8357										0.8357	1.3479
Nitrogen Dioxide	R11	6	4	27	88	10	80								0.8399										0.8399	1.35468
Nitrogen Dioxide	R11	6	5	27	89	10	80								0.8357										0.8357	1.3479
Nitrogen Dioxide	R11	6	6	27	90	10	80								0.8315										0.8315	1.34113
Nitrogen Dioxide	R11	6	7	28	87	10	80								0.8211										0.8211	1.32435
Nitrogen Dioxide	R11	6	8	29	82	10	80								0.8207										0.8207	1.32371
Nitrogen Dioxide	R11	6	9	29	79	10	80								0.8349										0.8349	1.34661
Nitrogen Dioxide	R11	6	10	30	76	10	80								0.827										0.827	1.33387
Nitrogen Dioxide	R11	6	11	30	75	10	80								0.8321										0.8321	1.3421
Nitrogen Dioxide	R11	6	12	30	74	10	80								0.8371										0.8371	1.35016
Nitrogen Dioxide	R11	6	13	31	73	10	80								0.8198										0.8198	1.32226
Nitrogen Dioxide	R11	6	14	31	72	10	80								0.8252										0.8252	1.33097
Nitrogen Dioxide	R11	6	15	30	74	10	80								0.8371										0.8371	1.35016
Nitrogen Dioxide	R11	6	16	30	74	10	80								0.8371										0.8371	1.35016
Nitrogen Dioxide	R11	6	17	30	75	10	80								0.8321										0.8321	1.3421
Nitrogen Dioxide	R11	6	18	29	79	10	80								0.8349										0.8349	1.34661
Nitrogen Dioxide	R11	6	19	29	81	10	80								0.8254										0.8254	1.33129
Nitrogen Dioxide	R11	6	20	28	83	10	80								0.839										0.839	1.35323
Nitrogen Dioxide	R11	6	21	28	85	10	80								0.83										0.83	1.33871
Nitrogen Dioxide	R11	6	22	28	86	10	80								0.8256										0.8256	1.33161
Nitrogen Dioxide	R11	6	23	28	87	10	80								0.8211										0.8211	1.32435
Nitrogen Dioxide	R11	6	24	28	87	10	80								0.8211										0.8211	1.32435
Nitrogen Dioxide	R11	7	1	28	84	10	80								0.8345										0.8345	1.34597
Nitrogen Dioxide	R11	7	2	28	84	10	80								0.8345										0.8345	1.34597
Nitrogen Dioxide	R11	7	3	28	86	10	80								0.8256										0.8256	1.33161
Nitrogen Dioxide	R11	7	4	28	86	10	80								0.8256										0.8256	1.33161
Nitrogen Dioxide	R11	7	5	28	88	10	80								0.8166										0.8166	1.3171
Nitrogen Dioxide	R11	7	6	27	88	10	80								0.8399										0.8399	1.35468
Nitrogen Dioxide	R11	7	7	28	86	10	80								0.8256										0.8256	1.33161
Nitrogen Dioxide	R11	7	8	29	81	10	80								0.8254										0.8254	1.33129
Nitrogen Dioxide	R11	7	9	30	76	10	80								0.827										0.827	1.33387

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:
(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.
(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Dioxide	R11	7	10	31	70	10	80								0.8358										0.8358	1.34806
Nitrogen Dioxide	R11	7	11	31	68	10	80								0.8465										0.8465	1.36532
Nitrogen Dioxide	R11	7	12	32	67	10	80								0.8304										0.8304	1.33935
Nitrogen Dioxide	R11	7	13	32	66	10	80								0.8361										0.8361	1.34855
Nitrogen Dioxide	R11	7	14	32	66	10	80								0.8361										0.8361	1.34855
Nitrogen Dioxide	R11	7	15	31	68	10	80								0.8465										0.8465	1.36532
Nitrogen Dioxide	R11	7	16	31	69	10	80								0.8412										0.8412	1.35677
Nitrogen Dioxide	R11	7	17	31	70	10	80								0.8358										0.8358	1.34806
Nitrogen Dioxide	R11	7	18	30	73	10	80								0.8421										0.8421	1.35823
Nitrogen Dioxide	R11	7	19	29	76	10	80								0.8492										0.8492	1.36968
Nitrogen Dioxide	R11	7	20	29	79	10	80								0.8349										0.8349	1.34661
Nitrogen Dioxide	R11	7	21	29	81	10	80								0.8254										0.8254	1.33129
Nitrogen Dioxide	R11	7	22	29	82	10	80								0.8207										0.8207	1.32371
Nitrogen Dioxide	R11	7	23	28	83	10	80								0.839										0.839	1.35323
Nitrogen Dioxide	R11	7	24	28	84	10	80								0.8345										0.8345	1.34597
Nitrogen Dioxide	R11	8	1	27	90	10	80								0.8315										0.8315	1.34113
Nitrogen Dioxide	R11	8	2	26	90	10	80								0.8541										0.8541	1.37758
Nitrogen Dioxide	R11	8	3	26	91	10	80								0.8501										0.8501	1.37113
Nitrogen Dioxide	R11	8	4	26	92	10	80								0.8462										0.8462	1.36484
Nitrogen Dioxide	R11	8	5	26	93	10	80								0.8422										0.8422	1.35839
Nitrogen Dioxide	R11	8	6	26	94	10	80								0.8383										0.8383	1.3521
Nitrogen Dioxide	R11	8	7	26	93	10	80								0.8422										0.8422	1.35839
Nitrogen Dioxide	R11	8	8	27	87	10	80								0.8441										0.8441	1.36145
Nitrogen Dioxide	R11	8	9	29	81	10	80								0.8254										0.8254	1.33129
Nitrogen Dioxide	R11	8	10	30	76	10	80								0.827										0.827	1.33387
Nitrogen Dioxide	R11	8	11	30	73	10	80								0.8421										0.8421	1.35823
Nitrogen Dioxide	R11	8	12	30	73	10	80								0.8421										0.8421	1.35823
Nitrogen Dioxide	R11	8	13	30	74	10	80								0.8371										0.8371	1.35016
Nitrogen Dioxide	R11	8	14	30	74	10	80								0.8371										0.8371	1.35016
Nitrogen Dioxide	R11	8	15	30	75	10	80								0.8321										0.8321	1.3421
Nitrogen Dioxide	R11	8	16	29	77	10	80								0.8444										0.8444	1.36194
Nitrogen Dioxide	R11	8	17	29	79	10	80								0.8349										0.8349	1.34661
Nitrogen Dioxide	R11	8	18	28	80	10	80								0.8524										0.8524	1.37484
Nitrogen Dioxide	R11	8	19	28	82	10	80								0.8435										0.8435	1.36048
Nitrogen Dioxide	R11	8	20	28	84	10	80								0.8345										0.8345	1.34597
Nitrogen Dioxide	R11	8	21	27	85	10	80								0.8525										0.8525	1.375
Nitrogen Dioxide	R11	8	22	27	87	10	80								0.8441										0.8441	1.36145
Nitrogen Dioxide	R11	8	23	27	88	10	80								0.8399										0.8399	1.35468
Nitrogen Dioxide	R11	8	24	27	89	10	80								0.8357										0.8357	1.3479
Nitrogen Dioxide	R11	9	1	27	89	10	80								0.8357										0.8357	1.3479
Nitrogen Dioxide	R11	9	2	26	89	10	80								0.858										0.858	1.38387
Nitrogen Dioxide	R11	9	3	26	91	10	80								0.8501										0.8501	1.37113
Nitrogen Dioxide	R11	9	4	26	92	10	80								0.8462										0.8462	1.36484
Nitrogen Dioxide	R11	9	5	26	92	10	80								0.8462										0.8462	1.36484
Nitrogen Dioxide	R11	9	6	26	93	10	80								0.8422										0.8422	1.35839
Nitrogen Dioxide	R11	9	7	26	93	10	80								0.8422										0.8422	1.35839
Nitrogen Dioxide	R11	9	8	27	88	10	80								0.8399										0.8399	1.35468
Nitrogen Dioxide	R11	9	9	28	83	10	80								0.839										0.839	1.35323
Nitrogen Dioxide	R11	9	10	29	78	10	80								0.8397										0.8397	1.35435
Nitrogen Dioxide	R11	9	11	29	76	10	80								0.8492										0.8492	1.36968
Nitrogen Dioxide	R11	9	12	29	76	10	80								0.8492										0.8492	1.36968
Nitrogen Dioxide	R11	9	13	30	75	10	80								0.8321										0.8321	1.3421
Nitrogen Dioxide	R11	9	14	29	75	10	80								0.8539										0.8539	1.37726
Nitrogen Dioxide	R11	9	15	29	77	10	80								0.8444										0.8444	1.36194
Nitrogen Dioxide	R11	9	16	29	76	10	80								0.8492										0.8492	1.36968
Nitrogen Dioxide	R11	9	17	29	78	10	80								0.8397										0.8397	1.35435
Nitrogen Dioxide	R11	9	18	28	81	10	80								0.8479										0.8479	1.36758
Nitrogen Dioxide	R11	9	19	27	84	10	80								0.8567										0.8567	1.38177
Nitrogen Dioxide	R11	9	20	27	86	10	80								0.8483										0.8483	1.36823
Nitrogen Dioxide	R11	9	21	27	87	10	80								0.8441										0.8441	1.36145
Nitrogen Dioxide	R11	9	22	27	89	10	80								0.8357										0.8357	1.3479
Nitrogen Dioxide	R11	9	23	27	89	10	80								0.8357										0.8357	1.3479
Nitrogen Dioxide	R11	9	24	26	89	10	80								0.858										0.858	1.38387
Nitrogen Dioxide	R11	10	1	24	74	10	80								0.9517										0.9517	1.535
Nitrogen Dioxide	R11	10	2	23	74	10	80								0.9676										0.9676	1.56065
Nitrogen Dioxide	R11	10	3	23	74	10	80								0.9676										0.9676	1.56065
Nitrogen Dioxide	R11	10	4	23	75	10	80								0.9643										0.9643	1.55532
Nitrogen Dioxide	R11	10	5	23	74	10	80								0.9676										0.9676	1.56065
Nitrogen Dioxide	R11	10	6	23	75	10	80								0.9643										0.9643	1.55532
Nitrogen Dioxide	R11	10	7	23	75	10	80								0.9643										0.9643	1.55532
Nitrogen Dioxide	R11	10	8	23	72	10	80								0.9742										0.9742	1.57129
Nitrogen Dioxide	R11	10	9	24	69	10	80								0.9692										0.9692	1.56323
Nitrogen Dioxide	R11	10	10	25	64	10	80								0.9722										0.9722	1.56806
Nitrogen Dioxide	R11	10	11	26	61	10	80								0.9688										0.9688	1.56258
Nitrogen Dioxide	R11	10	12	27	60	10	80								0.9577										0.9577	1.54468
Nitrogen Dioxide	R11	10	13	27	59	10	80								0.9619										0.9619	1.55145
Nitrogen Dioxide	R11	10	14	27	59	10	80								0.9619										0.9619	1.55145
Nitrogen Dioxide	R11	10	15	27	60	10	80								0.9577										0.9577	1.54468
Nitrogen Dioxide	R11	10	16	27	62	10	80								0.9492										0.9492	1.53097
Nitrogen Dioxide	R11	10	17	26	65	10	80								0.953										0.953	1.5371
Nitrogen Dioxide	R11	10	18	25	67	10	80								0.961										0.961	1.55
Nitrogen Dioxide	R11	10	19	25	69	10	80								0.9536										0.9536	1.53806
Nitrogen Dioxide	R11	10	20	25	71	10	80								0.9462										0.9462	1.52613
Nitrogen Dioxide	R11	10	21	24	71	10	80								0.9622										0.9622	1.55194
Nitrogen Dioxide	R11	10	22	24	71	10	80								0.9622										0.9622	1.55194
Nitrogen Dioxide	R11	10	23	24	72	10	80								0.9587										0.9587	1.54629
Nitrogen Dioxide	R11	10	24	24	72	10	80								0.9587										0.9587	1.54629
Nitrogen Dioxide	R11	11	1	21	75	10	80								0.9939										0.9939	1.60306
Nitrogen Dioxide	R11	11	2	21	74	10	80								0.9968										0.9968	1.60774
Nitrogen Dioxide	R11	11	3	21	74	10	80								0.9968										0.9968	1.60774
Nitrogen Dioxide	R11	11	4	21	74	10	80								0.9968										0.9968	1.60774
Nitrogen Dioxide	R11	11	5	21	74	10	80								0.9968										0.9968	1.60774
Nitrogen Dioxide	R11	11	6	21	73	10	80								0.9997										0.9997	1.61242
Nitrogen Dioxide	R11	11	7	21	73	10	80								0.9997										0.9997	1.61242
Nitrogen Dioxide	R11	11	8	21	70	10	80								1.0083										1.0083	1.62629
Nitrogen Dioxide	R11	11	9	22	66	10	80								1.0072										1.0072	1.62452
Nitrogen Dioxide	R11	11	10	23	61	10	80								1.0102										1.0102	1.62935
Nitrogen Dioxide	R11	11	11	25	57	10	80								0.9982										0.9982	1.61
Nitrogen Dioxide	R11	11	12	25	56	10	80								1.0019										1.0019	1.61597
Nitrogen Dioxide	R11	11	13	25	56	10	80								1.0019										1.0019	1.61597
Nitrogen Dioxide	R11	11	14	26	56	10	80								0.9885										0.9885	1.59435
Nitrogen Dioxide	R11	11	15	26	57	10	80								0.9846										0.9846	1.58806
Nitrogen Dioxide	R11	11	16	25	58	10	80								0.9945										0.9945	1.60403
Nitrogen Dioxide	R11	11	17	24	63	10	80								0.9901										0.9901	1.59694
Nitrogen Dioxide	R11	11	18	23	66	10	80								0.9938										0.9938	1.6029
Nitrogen Dioxide	R11	11	19	23	70	10	80								0.9807										0.9807	1.58177
Nitrogen Dioxide	R11	11	20	22	70	10	80								0.9949										0.9949	1.60468
Nitrogen Dioxide	R11	11	21	22	72	10	80								0.9888										0.9888	1.59484
Nitrogen Dioxide	R11	11	22	22	74	10	80								0.9826										0.9826	1.58484
Nitrogen Dioxide	R11	11	23	22	74	10	80								0.9826										0.9826	1.58484
Nitrogen Dioxide	R11	11	24	21	74	10	80								0.9968										0.9968	1.60774
Nitrogen Dioxide	R11	12	1	16	68	10	80								1.069										1.069	1.72419
Nitrogen Dioxide	R11	12	2	16	69	10	80								1.0669										1.0669	1.72081
Nitrogen Dioxide	R11	12	3	16	69	10	80								1.0669										1.0669	1.72081
Nitrogen Dioxide	R11	12	4	15	70	10	80								1.0742										1.0742	1.73258
Nitrogen Dioxide	R11	12	5	15	70	10	80								1.0742										1.0742	1.73258
Nitrogen Dioxide	R11	12	6	15	70	10	80								1.0742										1.0742	1.73258
Nitrogen Dioxide	R11	12	7	15	70	10	80								1.0742										1.0742	1.73258
Nitrogen Dioxide	R11	12	8	15	69	10	80								1.0761										1.0761	1.73565
Nitrogen Dioxide	R11	12	9	16	65	10	80								1.0752										1.0752	1.73419
Nitrogen Dioxide	R11	12	10	17	62	10	80								1.0726										1.0726	1.73
Nitrogen Dioxide	R11	12	11	18	58	10	80								1.0727										1.0727	1.73016
Nitrogen Dioxide	R11	12	12	19	57	10	80								1.0658										1.0658	1.71903
Nitrogen Dioxide	R11	12	13	19	56	10	80								1.0684										1.0684	1.72323
Nitrogen Dioxide	R11	12	14	19	56	10	80								1.0684										1.0684	1.72323
Nitrogen Dioxide	R11	12	15	19	56	10	80								1.0684										1.0684	1.72323
Nitrogen Dioxide	R11	12	16	19	57	10	80								1.0658										1.0658	1.71903
Nitrogen Dioxide	R11	12	17	18	60	10	80								1.0679										1.0679	1.72242
Nitrogen Dioxide	R11	12	18	18	64	10	80								1.0584										1.0584	1.7071
Nitrogen Dioxide	R11	12	19	17	65	10	80								1.0659										1.0659	1.71919
Nitrogen Dioxide	R11	12	20	17	66	10	80								1.0637										1.0637	1.71565
Nitrogen Dioxide	R11	12	21	17	66	10	80								1.0637										1.0637	1.71565
Nitrogen Dioxide	R11	12	22	16	66	10	80								1.0731										1.0731	1.73081
Nitrogen Dioxide	R11	12	23	16	66	10	80								1.0731										1.0731	1.73081
Nitrogen Dioxide	R11	12	24	16	67	10	80								1.071										1.071	1.72742
Nitrogen Dioxide	R12	1	1	17	76	10	0								1.0415										0	0
Nitrogen Dioxide	R12	1	2	17	77	10	0								1.0393										0	0
Nitrogen Dioxide	R12	1	3	17	77	10	0								1.0393										0	0
Nitrogen Dioxide	R12	1	4	17	77	10	0								1.0393										0	0
Nitrogen Dioxide	R12	1	5	17	78	10	0								1.0371										0	0
Nitrogen Dioxide	R12	1	6	17	77	10	0								1.0393										0	0
Nitrogen Dioxide	R12	1	7	16	77	10	0								1.0503										0	0
Nitrogen Dioxide	R12	1	8	17	77	10	142								1.0393										1.0393	1.67629
Nitrogen Dioxide	R12	1	9	17	73	10	142								1.0482										1.0482	1.69065
Nitrogen Dioxide	R12	1	10	19	69	10	142								1.0355										1.0355	1.67016
Nitrogen Dioxide	R12	1	11	20	64	10	142								1.0372										1.0372	1.6729
Nitrogen Dioxide	R12	1	12	21	62	10	142								1.0314										1.0314	1.66355
Nitrogen Dioxide	R12	1	13	21	61	10	142								1.0343										1.0343	1.66823
Nitrogen Dioxide	R12	1	14	21	62	10	142								1.0314										1.0314	1.66355

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:
(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.
(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Dioxide	R12	1	15	21	62	10	142								1.0314										1.0314	1.66355
Nitrogen Dioxide	R12	1	16	21	63	10	142								1.0285										1.0285	1.65887
Nitrogen Dioxide	R12	1	17	20	67	10	142								1.0291										1.0291	1.65984
Nitrogen Dioxide	R12	1	18	19	72	10	142								1.0279										1.0279	1.6579
Nitrogen Dioxide	R12	1	19	18	74	10	142								1.0348										1.0348	1.66903
Nitrogen Dioxide	R12	1	20	18	74	10	142								1.0348										1.0348	1.66903
Nitrogen Dioxide	R12	1	21	18	75	10	142								1.0324										1.0324	1.66516
Nitrogen Dioxide	R12	1	22	18	76	10	142								1.03										1.03	1.66129
Nitrogen Dioxide	R12	1	23	18	75	10	142								1.0324										1.0324	1.66516
Nitrogen Dioxide	R12	1	24	17	76	10	0								1.0415										0	0
Nitrogen Dioxide	R12	2	1	17	78	10	0								1.0371										0	0
Nitrogen Dioxide	R12	2	2	17	80	10	0								1.0327										0	0
Nitrogen Dioxide	R12	2	3	17	81	10	0								1.0305										0	0
Nitrogen Dioxide	R12	2	4	17	82	10	0								1.0282										0	0
Nitrogen Dioxide	R12	2	5	16	83	10	0								1.0378										0	0
Nitrogen Dioxide	R12	2	6	16	83	10	0								1.0378										0	0
Nitrogen Dioxide	R12	2	7	16	83	10	0								1.0378										0	0
Nitrogen Dioxide	R12	2	8	17	81	10	142								1.0305										1.0305	1.6621
Nitrogen Dioxide	R12	2	9	18	77	10	142								1.0277										1.0277	1.65758
Nitrogen Dioxide	R12	2	10	19	73	10	142								1.0254										1.0254	1.65387
Nitrogen Dioxide	R12	2	11	20	70	10	142								1.021										1.021	1.64677
Nitrogen Dioxide	R12	2	12	20	68	10	142								1.0264										1.0264	1.65548
Nitrogen Dioxide	R12	2	13	21	65	10	142								1.0227										1.0227	1.64952
Nitrogen Dioxide	R12	2	14	21	65	10	142								1.0227										1.0227	1.64952
Nitrogen Dioxide	R12	2	15	21	66	10	142								1.0199										1.0199	1.645
Nitrogen Dioxide	R12	2	16	20	68	10	142								1.0264										1.0264	1.65548
Nitrogen Dioxide	R12	2	17	20	70	10	142								1.021										1.021	1.64677
Nitrogen Dioxide	R12	2	18	19	74	10	142								1.0228										1.0228	1.64968
Nitrogen Dioxide	R12	2	19	18	76	10	142								1.03										1.03	1.66129
Nitrogen Dioxide	R12	2	20	18	78	10	142								1.0253										1.0253	1.65371
Nitrogen Dioxide	R12	2	21	18	78	10	142								1.0253										1.0253	1.65371
Nitrogen Dioxide	R12	2	22	18	78	10	142								1.0253										1.0253	1.65371
Nitrogen Dioxide	R12	2	23	18	78	10	142								1.0253										1.0253	1.65371
Nitrogen Dioxide	R12	2	24	18	78	10	0								1.0253										0	0
Nitrogen Dioxide	R12	3	1	21	86	10	0								0.9622										0	0
Nitrogen Dioxide	R12	3	2	20	87	10	0								0.9751										0	0
Nitrogen Dioxide	R12	3	3	20	87	10	0								0.9751										0	0
Nitrogen Dioxide	R12	3	4	20	87	10	0								0.9751										0	0
Nitrogen Dioxide	R12	3	5	20	87	10	0								0.9751										0	0
Nitrogen Dioxide	R12	3	6	20	87	10	0								0.9751										0	0
Nitrogen Dioxide	R12	3	7	20	87	10	0								0.9751										0	0
Nitrogen Dioxide	R12	3	8	20	86	10	142								0.9778										0.9778	1.5771
Nitrogen Dioxide	R12	3	9	21	83	10	142								0.9709										0.9709	1.56597
Nitrogen Dioxide	R12	3	10	22	79	10	142								0.9672										0.9672	1.56
Nitrogen Dioxide	R12	3	11	22	78	10	142								0.9703										0.9703	1.565
Nitrogen Dioxide	R12	3	12	23	77	10	142								0.9578										0.9578	1.54484
Nitrogen Dioxide	R12	3	13	23	77	10	142								0.9578										0.9578	1.54484
Nitrogen Dioxide	R12	3	14	23	77	10	142								0.9578										0.9578	1.54484
Nitrogen Dioxide	R12	3	15	23	76	10	142								0.961										0.961	1.55
Nitrogen Dioxide	R12	3	16	23	77	10	142								0.9578										0.9578	1.54484
Nitrogen Dioxide	R12	3	17	22	79	10	142								0.9672										0.9672	1.56
Nitrogen Dioxide	R12	3	18	22	82	10	142								0.958										0.958	1.54516
Nitrogen Dioxide	R12	3	19	21	84	10	142								0.968										0.968	1.56129
Nitrogen Dioxide	R12	3	20	21	85	10	142								0.9651										0.9651	1.55661
Nitrogen Dioxide	R12	3	21	21	86	10	142								0.9622										0.9622	1.55194
Nitrogen Dioxide	R12	3	22	21	86	10	142								0.9622										0.9622	1.55194
Nitrogen Dioxide	R12	3	23	21	85	10	142								0.9651										0.9651	1.55661
Nitrogen Dioxide	R12	3	24	21	86	10	0								0.9622										0	0
Nitrogen Dioxide	R12	4	1	20	83	10	0								0.9859										0	0
Nitrogen Dioxide	R12	4	2	20	85	10	0								0.9805										0	0
Nitrogen Dioxide	R12	4	3	20	84	10	0								0.9832										0	0
Nitrogen Dioxide	R12	4	4	20	85	10	0								0.9805										0	0
Nitrogen Dioxide	R12	4	5	19	84	10	0								0.9975										0	0
Nitrogen Dioxide	R12	4	6	19	84	10	0								0.9975										0	0
Nitrogen Dioxide	R12	4	7	20	84	10	0								0.9832										0	0
Nitrogen Dioxide	R12	4	8	21	79	10	142								0.9824										0.9824	1.58452
Nitrogen Dioxide	R12	4	9	22	73	10	142								0.9857										0.9857	1.58984
Nitrogen Dioxide	R12	4	10	23	69	10	142								0.984										0.984	1.5871
Nitrogen Dioxide	R12	4	11	23	68	10	142								0.9873										0.9873	1.59242
Nitrogen Dioxide	R12	4	12	24	66	10	142								0.9797										0.9797	1.58016
Nitrogen Dioxide	R12	4	13	24	65	10	142								0.9832										0.9832	1.58581
Nitrogen Dioxide	R12	4	14	24	66	10	142								0.9797										0.9797	1.58016
Nitrogen Dioxide	R12	4	15	24	66	10	142								0.9797										0.9797	1.58016
Nitrogen Dioxide	R12	4	16	24	67	10	142								0.9762										0.9762	1.57452
Nitrogen Dioxide	R12	4	17	23	69	10	142								0.984										0.984	1.5871
Nitrogen Dioxide	R12	4	18	22	74	10	142								0.9826										0.9826	1.58484
Nitrogen Dioxide	R12	4	19	22	76	10	142								0.9765										0.9765	1.575
Nitrogen Dioxide	R12	4	20	21	79	10	142								0.9824										0.9824	1.58452
Nitrogen Dioxide	R12	4	21	21	80	10	142								0.9795										0.9795	1.57984
Nitrogen Dioxide	R12	4	22	21	81	10	142								0.9766										0.9766	1.57516
Nitrogen Dioxide	R12	4	23	21	82	10	142								0.9737										0.9737	1.57048
Nitrogen Dioxide	R12	4	24	20	82	10	0								0.9886										0	0
Nitrogen Dioxide	R12	5	1	26	91	10	0								0.8501										0	0
Nitrogen Dioxide	R12	5	2	25	92	10	0								0.8681										0	0
Nitrogen Dioxide	R12	5	3	25	92	10	0								0.8681										0	0
Nitrogen Dioxide	R12	5	4	25	91	10	0								0.8718										0	0
Nitrogen Dioxide	R12	5	5	25	92	10	0								0.8681										0	0
Nitrogen Dioxide	R12	5	6	25	93	10	0								0.8644										0	0
Nitrogen Dioxide	R12	5	7	26	91	10	0								0.8501										0	0
Nitrogen Dioxide	R12	5	8	27	85	10	142								0.8525										0.8525	1.375
Nitrogen Dioxide	R12	5	9	28	80	10	142								0.8524										0.8524	1.37484
Nitrogen Dioxide	R12	5	10	28	78	10	142								0.8613										0.8613	1.38919
Nitrogen Dioxide	R12	5	11	29	77	10	142								0.8444										0.8444	1.36194
Nitrogen Dioxide	R12	5	12	29	75	10	142								0.8539										0.8539	1.37726
Nitrogen Dioxide	R12	5	13	29	74	10	142								0.8587										0.8587	1.385
Nitrogen Dioxide	R12	5	14	29	75	10	142								0.8539										0.8539	1.37726
Nitrogen Dioxide	R12	5	15	29	75	10	142								0.8539										0.8539	1.37726
Nitrogen Dioxide	R12	5	16	29	77	10	142								0.8444										0.8444	1.36194
Nitrogen Dioxide	R12	5	17	28	78	10	142								0.8613										0.8613	1.38919
Nitrogen Dioxide	R12	5	18	28	81	10	142								0.8478										0.8479	1.36758
Nitrogen Dioxide	R12	5	19	27	84	10	142								0.8567										0.8567	1.38177
Nitrogen Dioxide	R12	5	20	27	87	10	142								0.8441										0.8441	1.36145
Nitrogen Dioxide	R12	5	21	27	88	10	142								0.8399										0.8399	1.35468
Nitrogen Dioxide	R12	5	22	26	89	10	142								0.858										0.858	1.38387
Nitrogen Dioxide	R12	5	23	26	89	10	142								0.858										0.858	1.38387
Nitrogen Dioxide	R12	5	24	26	90	10	0								0.8541										0	0
Nitrogen Dioxide	R12	6	1	28	88	10	0								0.8166										0	0
Nitrogen Dioxide	R12	6	2	27	89	10	0								0.8357										0	0
Nitrogen Dioxide	R12	6	3	27	89	10	0								0.8357										0	0
Nitrogen Dioxide	R12	6	4	27	88	10	0								0.8399										0	0
Nitrogen Dioxide	R12	6	5	27	89	10	0								0.8357										0	0
Nitrogen Dioxide	R12	6	6	27	90	10	0								0.8315										0	0
Nitrogen Dioxide	R12	6	7	28	87	10	0								0.8211										0	0
Nitrogen Dioxide	R12	6	8	29	82	10	142								0.8207										0.8207	1.32371
Nitrogen Dioxide	R12	6	9	29	79	10	142								0.8349										0.8349	1.34661
Nitrogen Dioxide	R12	6	10	30	76	10	142								0.827										0.827	1.33387
Nitrogen Dioxide	R12	6	11	30	75	10	142								0.8321										0.8321	1.3421
Nitrogen Dioxide	R12	6	12	30	74	10	142								0.8371										0.8371	1.35016
Nitrogen Dioxide	R12	6	13	31	73	10	142								0.8198										0.8198	1.32226
Nitrogen Dioxide	R12	6	14	31	72	10	142								0.8252										0.8252	1.33097
Nitrogen Dioxide	R12	6	15	30	74	10	142								0.8371										0.8371	1.35016
Nitrogen Dioxide	R12	6	16	30	74	10	142								0.8371										0.8371	1.35016
Nitrogen Dioxide	R12	6	17	30	75	10	142								0.8321										0.8321	1.3421
Nitrogen Dioxide	R12	6	18	29	79	10	142								0.8349										0.8349	1.34661
Nitrogen Dioxide	R12	6	19	29	81	10	142								0.8254										0.8254	1.33129
Nitrogen Dioxide	R12	6	20	28	83	10	142								0.839										0.839	1.35323
Nitrogen Dioxide	R12	6	21	28	85	10	142								0.83										0.83	1.33871
Nitrogen Dioxide	R12	6	22	28	86	10	142								0.8256										0.8256	1.33161
Nitrogen Dioxide	R12	6	23	28	87	10	142								0.8211										0.8211	1.32435
Nitrogen Dioxide	R12	6	24	28	87	10	0								0.8211										0	0
Nitrogen Dioxide	R12	7	1	28	84	10	0								0.8345										0	0
Nitrogen Dioxide	R12	7	2	28	84	10	0								0.8345										0	0
Nitrogen Dioxide	R12	7	3	28	86	10	0								0.8256										0	0
Nitrogen Dioxide	R12	7	4	28	86	10	0								0.8256										0	0
Nitrogen Dioxide	R12	7	5	28	88	10	0								0.8166										0	0
Nitrogen Dioxide	R12	7	6	27	88	10	0								0.8399										0	0
Nitrogen Dioxide	R12	7	7	28	86	10	0								0.8256										0	0
Nitrogen Dioxide	R12	7	8	29	81	10	142								0.8254										0.8254	1.33129
Nitrogen Dioxide	R12	7	9	30	76	10	142								0.827										0.827	1.33387
Nitrogen Dioxide	R12	7	10	31	70	10	142								0.8358										0.8358	1.34806
Nitrogen Dioxide	R12	7	11	31	68	10	142								0.8465										0.8465	1.36532
Nitrogen Dioxide	R12	7	12	32	67	10	142								0.8304										0.8304	1.33935
Nitrogen Dioxide	R12	7	13	32	66	10	142								0.8361										0.8361	1.34855
Nitrogen Dioxide	R12	7	14	32	66	10	142								0.8361										0.8361	1.34855
Nitrogen Dioxide	R12	7	15	31	68	10	142								0.8465										0.8465	1.36532
Nitrogen Dioxide	R12	7	16	31	69	10	142								0.8412										0.8412	1.35677
Nitrogen Dioxide	R12	7	17	31	70	10	142								0.8358										0.8358	1.34806
Nitrogen Dioxide	R12	7	18	30	73	10	142								0.8421										0.8421	1.35823
Nitrogen Dioxide	R12	7	19	29	76	10	142								0.8492										0.8492	1.36968

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:
(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.
(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Dioxide	R12	7	20	29	79	10	142								0.8349										0.8349	1.34661
Nitrogen Dioxide	R12	7	21	29	81	10	142								0.8254										0.8254	1.33129
Nitrogen Dioxide	R12	7	22	29	82	10	142								0.8207										0.8207	1.32371
Nitrogen Dioxide	R12	7	23	28	83	10	142								0.839										0.839	1.35323
Nitrogen Dioxide	R12	7	24	28	84	10	0								0.8345										0	0
Nitrogen Dioxide	R12	8	1	27	90	10	0								0.8315										0	0
Nitrogen Dioxide	R12	8	2	26	90	10	0								0.8541										0	0
Nitrogen Dioxide	R12	8	3	26	91	10	0								0.8501										0	0
Nitrogen Dioxide	R12	8	4	26	92	10	0								0.8462										0	0
Nitrogen Dioxide	R12	8	5	26	93	10	0								0.8422										0	0
Nitrogen Dioxide	R12	8	6	26	94	10	0								0.8383										0	0
Nitrogen Dioxide	R12	8	7	26	93	10	0								0.8422										0	0
Nitrogen Dioxide	R12	8	8	27	87	10	142								0.8441										0.8441	1.36145
Nitrogen Dioxide	R12	8	9	29	81	10	142								0.8254										0.8254	1.33129
Nitrogen Dioxide	R12	8	10	30	76	10	142								0.827										0.827	1.33387
Nitrogen Dioxide	R12	8	11	30	73	10	142								0.8421										0.8421	1.35823
Nitrogen Dioxide	R12	8	12	30	73	10	142								0.8421										0.8421	1.35823
Nitrogen Dioxide	R12	8	13	30	74	10	142								0.8371										0.8371	1.35016
Nitrogen Dioxide	R12	8	14	30	74	10	142								0.8371										0.8371	1.35016
Nitrogen Dioxide	R12	8	15	30	75	10	142								0.8321										0.8321	1.3421
Nitrogen Dioxide	R12	8	16	29	77	10	142								0.8444										0.8444	1.36194
Nitrogen Dioxide	R12	8	17	29	79	10	142								0.8349										0.8349	1.34661
Nitrogen Dioxide	R12	8	18	28	80	10	142								0.8524										0.8524	1.37484
Nitrogen Dioxide	R12	8	19	28	82	10	142								0.8435										0.8435	1.36048
Nitrogen Dioxide	R12	8	20	28	84	10	142								0.8345										0.8345	1.34597
Nitrogen Dioxide	R12	8	21	27	85	10	142								0.8525										0.8525	1.375
Nitrogen Dioxide	R12	8	22	27	87	10	142								0.8441										0.8441	1.36145
Nitrogen Dioxide	R12	8	23	27	88	10	142								0.8399										0.8399	1.35468
Nitrogen Dioxide	R12	8	24	27	89	10	0								0.8357										0	0
Nitrogen Dioxide	R12	9	1	27	89	10	0								0.8357										0	0
Nitrogen Dioxide	R12	9	2	26	89	10	0								0.858										0	0
Nitrogen Dioxide	R12	9	3	26	91	10	0								0.8501										0	0
Nitrogen Dioxide	R12	9	4	26	92	10	0								0.8462										0	0
Nitrogen Dioxide	R12	9	5	26	92	10	0								0.8462										0	0
Nitrogen Dioxide	R12	9	6	26	93	10	0								0.8422										0	0
Nitrogen Dioxide	R12	9	7	26	93	10	0								0.8422										0	0
Nitrogen Dioxide	R12	9	8	27	88	10	142								0.8399										0.8399	1.35468
Nitrogen Dioxide	R12	9	9	28	83	10	142								0.839										0.839	1.35323
Nitrogen Dioxide	R12	9	10	29	78	10	142								0.8397										0.8397	1.35435
Nitrogen Dioxide	R12	9	11	29	76	10	142								0.8492										0.8492	1.36968
Nitrogen Dioxide	R12	9	12	29	76	10	142								0.8492										0.8492	1.36968
Nitrogen Dioxide	R12	9	13	30	75	10	142								0.8321										0.8321	1.3421
Nitrogen Dioxide	R12	9	14	29	75	10	142								0.8539										0.8539	1.37726
Nitrogen Dioxide	R12	9	15	29	77	10	142								0.8444										0.8444	1.36194
Nitrogen Dioxide	R12	9	16	29	76	10	142								0.8492										0.8492	1.36968
Nitrogen Dioxide	R12	9	17	29	78	10	142								0.8397										0.8397	1.35435
Nitrogen Dioxide	R12	9	18	28	81	10	142								0.8479										0.8479	1.36758
Nitrogen Dioxide	R12	9	19	27	84	10	142								0.8567										0.8567	1.38177
Nitrogen Dioxide	R12	9	20	27	86	10	142								0.8483										0.8483	1.36823
Nitrogen Dioxide	R12	9	21	27	87	10	142								0.8441										0.8441	1.36145
Nitrogen Dioxide	R12	9	22	27	89	10	142								0.8357										0.8357	1.3479
Nitrogen Dioxide	R12	9	23	27	89	10	142								0.8357										0.8357	1.3479
Nitrogen Dioxide	R12	9	24	26	89	10	0								0.858										0	0
Nitrogen Dioxide	R12	10	1	24	74	10	0								0.9512										0	0
Nitrogen Dioxide	R12	10	2	23	74	10	0								0.9676										0	0
Nitrogen Dioxide	R12	10	3	23	74	10	0								0.9676										0	0
Nitrogen Dioxide	R12	10	4	23	75	10	0								0.9643										0	0
Nitrogen Dioxide	R12	10	5	23	74	10	0								0.9676										0	0
Nitrogen Dioxide	R12	10	6	23	75	10	0								0.9643										0	0
Nitrogen Dioxide	R12	10	7	23	75	10	0								0.9643										0	0
Nitrogen Dioxide	R12	10	8	23	72	10	142								0.9742										0.9742	1.57129
Nitrogen Dioxide	R12	10	9	24	69	10	142								0.9692										0.9692	1.56323
Nitrogen Dioxide	R12	10	10	25	64	10	142								0.9722										0.9722	1.56806
Nitrogen Dioxide	R12	10	11	26	61	10	142								0.9688										0.9688	1.56258
Nitrogen Dioxide	R12	10	12	27	60	10	142								0.9577										0.9577	1.54468
Nitrogen Dioxide	R12	10	13	27	59	10	142								0.9619										0.9619	1.55145
Nitrogen Dioxide	R12	10	14	27	59	10	142								0.9619										0.9619	1.55145
Nitrogen Dioxide	R12	10	15	27	60	10	142								0.9577										0.9577	1.54468
Nitrogen Dioxide	R12	10	16	27	62	10	142								0.9492										0.9492	1.53097
Nitrogen Dioxide	R12	10	17	26	65	10	142								0.953										0.953	1.5371
Nitrogen Dioxide	R12	10	18	25	67	10	142								0.961										0.961	1.55
Nitrogen Dioxide	R12	10	19	25	69	10	142								0.9536										0.9536	1.53806
Nitrogen Dioxide	R12	10	20	25	71	10	142								0.9462										0.9462	1.52613
Nitrogen Dioxide	R12	10	21	24	71	10	142								0.9622										0.9622	1.55194
Nitrogen Dioxide	R12	10	22	24	71	10	142								0.9622										0.9622	1.55194
Nitrogen Dioxide	R12	10	23	24	72	10	142								0.9587										0.9587	1.54629
Nitrogen Dioxide	R12	10	24	24	72	10	0								0.9587										0	0
Nitrogen Dioxide	R12	11	1	21	75	10	0								0.9939										0	0
Nitrogen Dioxide	R12	11	2	21	74	10	0								0.9968										0	0
Nitrogen Dioxide	R12	11	3	21	74	10	0								0.9968										0	0
Nitrogen Dioxide	R12	11	4	21	74	10	0								0.9968										0	0
Nitrogen Dioxide	R12	11	5	21	74	10	0								0.9968										0	0
Nitrogen Dioxide	R12	11	6	21	73	10	0								0.9997										0	0
Nitrogen Dioxide	R12	11	7	21	73	10	0								0.9997										0	0
Nitrogen Dioxide	R12	11	8	21	70	10	142								1.0083										1.0083	1.62629
Nitrogen Dioxide	R12	11	9	22	66	10	142								1.0072										1.0072	1.62452
Nitrogen Dioxide	R12	11	10	23	61	10	142								1.0102										1.0102	1.62935
Nitrogen Dioxide	R12	11	11	25	57	10	142								0.9982										0.9982	1.61
Nitrogen Dioxide	R12	11	12	25	56	10	142								1.0019										1.0019	1.61597
Nitrogen Dioxide	R12	11	13	25	56	10	142								1.0019										1.0019	1.61597
Nitrogen Dioxide	R12	11	14	26	56	10	142								0.9885										0.9885	1.59435
Nitrogen Dioxide	R12	11	15	26	57	10	142								0.9846										0.9846	1.58806
Nitrogen Dioxide	R12	11	16	25	58	10	142								0.9945										0.9945	1.60403
Nitrogen Dioxide	R12	11	17	24	63	10	142								0.9901										0.9901	1.59694
Nitrogen Dioxide	R12	11	18	23	66	10	142								0.9938										0.9938	1.6029
Nitrogen Dioxide	R12	11	19	23	70	10	142								0.9807										0.9807	1.58177
Nitrogen Dioxide	R12	11	20	22	70	10	142								0.9949										0.9949	1.60468
Nitrogen Dioxide	R12	11	21	22	72	10	142								0.9888										0.9888	1.59484
Nitrogen Dioxide	R12	11	22	22	74	10	142								0.9826										0.9826	1.58484
Nitrogen Dioxide	R12	11	23	22	74	10	142								0.9826										0.9826	1.58484
Nitrogen Dioxide	R12	11	24	21	74	10	0								0.9968										0	0
Nitrogen Dioxide	R12	12	1	16	68	10	0								1.069										0	0
Nitrogen Dioxide	R12	12	2	16	69	10	0								1.0669										0	0
Nitrogen Dioxide	R12	12	3	16	69	10	0								1.0669										0	0
Nitrogen Dioxide	R12	12	4	15	70	10	0								1.0742										0	0
Nitrogen Dioxide	R12	12	5	15	70	10	0								1.0742										0	0
Nitrogen Dioxide	R12	12	6	15	70	10	0								1.0742										0	0
Nitrogen Dioxide	R12	12	7	15	70	10	0								1.0742										0	0
Nitrogen Dioxide	R12	12	8	15	69	10	142								1.0761										1.0761	1.73565
Nitrogen Dioxide	R12	12	9	16	65	10	142								1.0752										1.0752	1.73419
Nitrogen Dioxide	R12	12	10	17	62	10	142								1.0726										1.0726	1.73
Nitrogen Dioxide	R12	12	11	18	58	10	142								1.0727										1.0727	1.73016
Nitrogen Dioxide	R12	12	12	19	57	10	142								1.0658										1.0658	1.71903
Nitrogen Dioxide	R12	12	13	19	56	10	142								1.0684										1.0684	1.72323
Nitrogen Dioxide	R12	12	14	19	56	10	142								1.0684										1.0684	1.72323
Nitrogen Dioxide	R12	12	15	19	56	10	142								1.0684										1.0684	1.72323
Nitrogen Dioxide	R12	12	16	19	57	10	142								1.0658										1.0658	1.71903
Nitrogen Dioxide	R12	12	17	18	60	10	142								1.0679										1.0679	1.72242
Nitrogen Dioxide	R12	12	18	18	64	10	142								1.0584										1.0584	1.7071
Nitrogen Dioxide	R12	12	19	17	65	10	142								1.0659										1.0659	1.71919
Nitrogen Dioxide	R12	12	20	17	66	10	142								1.0637										1.0637	1.71565
Nitrogen Dioxide	R12	12	21	17	66	10	142								1.0637										1.0637	1.71565
Nitrogen Dioxide	R12	12	22	16	66	10	142								1.0731										1.0731	1.73081
Nitrogen Dioxide	R12	12	23	16	66	10	142								1.0731										1.0731	1.73081
Nitrogen Dioxide	R12	12	24	16	67	10	0								1.071										0	0
Nitrogen Dioxide	R13	1	1	17	76	10	0								1.0415										0	0
Nitrogen Dioxide	R13	1	2	17	77	10	0								1.0393										0	0
Nitrogen Dioxide	R13	1	3	17	77	10	0								1.0393										0	0
Nitrogen Dioxide	R13	1	4	17	77	10	0								1.0393										0	0
Nitrogen Dioxide	R13	1	5	17	78	10	0								1.0371										0	0
Nitrogen Dioxide	R13	1	6	17	77	10	0								1.0393										0	0
Nitrogen Dioxide	R13	1	7	16	77	10	0								1.0503										0	0
Nitrogen Dioxide	R13	1	8	17	77	10	150								1.0393										1.0393	1.67629
Nitrogen Dioxide	R13	1	9	17	73	10	150								1.0482										1.0482	1.69065
Nitrogen Dioxide	R13	1	10	19	69	10	150								1.0355										1.0355	1.67016
Nitrogen Dioxide	R13	1	11	20	64	10	150								1.0372										1.0372	1.6729
Nitrogen Dioxide	R13	1	12	21	62	10	150								1.0314										1.0314	1.66355
Nitrogen Dioxide	R13	1	13	21	61	10	150								1.0343										1.0343	1.66823
Nitrogen Dioxide	R13	1	14	21	62	10	150								1.0314										1.0314	1.66355
Nitrogen Dioxide	R13	1	15	21	62	10	150								1.0314										1.0314	1.66355
Nitrogen Dioxide	R13	1	16	21	63	10	150								1.0285										1.0285	1.65887
Nitrogen Dioxide	R13	1	17	20	67	10	150								1.0291										1.0291	1.65984
Nitrogen Dioxide	R13	1	18	19	72	10	150								1.0279										1.0279	1.6579
Nitrogen Dioxide	R13	1	19	18	74	10	150								1.0348										1.0348	1.66903
Nitrogen Dioxide	R13	1	20	18	74	10	150								1.0348										1.0348	1.66903
Nitrogen Dioxide	R13	1	21	18	75	10	150								1.0324										1.0324	1.66516
Nitrogen Dioxide	R13	1	22	18	76	10	150								1.03										1.03	1.66129
Nitrogen Dioxide	R13	1	23	18	75	10	150								1.0324										1.0324	1.66516
Nitrogen Dioxide	R13	1	24	17	76	10	0								1.0415										0	0

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:
(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.
(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Dioxide	R13	2	1	17	78	10	0								1.0371										0	0
Nitrogen Dioxide	R13	2	2	17	80	10	0								1.0327										0	0
Nitrogen Dioxide	R13	2	3	17	81	10	0								1.0305										0	0
Nitrogen Dioxide	R13	2	4	17	82	10	0								1.0282										0	0
Nitrogen Dioxide	R13	2	5	16	83	10	0								1.0378										0	0
Nitrogen Dioxide	R13	2	6	16	83	10	0								1.0378										0	0
Nitrogen Dioxide	R13	2	7	16	83	10	0								1.0378										0	0
Nitrogen Dioxide	R13	2	8	17	81	10	150								1.0305										1.0305	1.6621
Nitrogen Dioxide	R13	2	9	18	77	10	150								1.0277										1.0277	1.65758
Nitrogen Dioxide	R13	2	10	19	73	10	150								1.0254										1.0254	1.65387
Nitrogen Dioxide	R13	2	11	20	70	10	150								1.021										1.021	1.64677
Nitrogen Dioxide	R13	2	12	20	68	10	150								1.0264										1.0264	1.65548
Nitrogen Dioxide	R13	2	13	21	65	10	150								1.0227										1.0227	1.64952
Nitrogen Dioxide	R13	2	14	21	65	10	150								1.0227										1.0227	1.64952
Nitrogen Dioxide	R13	2	15	21	66	10	150								1.0199										1.0199	1.645
Nitrogen Dioxide	R13	2	16	20	68	10	150								1.0264										1.0264	1.65548
Nitrogen Dioxide	R13	2	17	20	70	10	150								1.021										1.021	1.64677
Nitrogen Dioxide	R13	2	18	19	74	10	150								1.0228										1.0228	1.64968
Nitrogen Dioxide	R13	2	19	18	76	10	150								1.03										1.03	1.66129
Nitrogen Dioxide	R13	2	20	18	78	10	150								1.0253										1.0253	1.65371
Nitrogen Dioxide	R13	2	21	18	78	10	150								1.0253										1.0253	1.65371
Nitrogen Dioxide	R13	2	22	18	78	10	150								1.0253										1.0253	1.65371
Nitrogen Dioxide	R13	2	23	18	78	10	150								1.0253										1.0253	1.65371
Nitrogen Dioxide	R13	2	24	18	78	10	0								1.0253										0	0
Nitrogen Dioxide	R13	3	1	21	86	10	0								0.9622										0	0
Nitrogen Dioxide	R13	3	2	20	87	10	0								0.9751										0	0
Nitrogen Dioxide	R13	3	3	20	87	10	0								0.9751										0	0
Nitrogen Dioxide	R13	3	4	20	87	10	0								0.9751										0	0
Nitrogen Dioxide	R13	3	5	20	87	10	0								0.9751										0	0
Nitrogen Dioxide	R13	3	6	20	87	10	0								0.9751										0	0
Nitrogen Dioxide	R13	3	7	20	87	10	0								0.9751										0	0
Nitrogen Dioxide	R13	3	8	20	86	10	150								0.9778										0.9778	1.5771
Nitrogen Dioxide	R13	3	9	21	83	10	150								0.9709										0.9709	1.56597
Nitrogen Dioxide	R13	3	10	22	79	10	150								0.9672										0.9672	1.56
Nitrogen Dioxide	R13	3	11	22	78	10	150								0.9703										0.9703	1.565
Nitrogen Dioxide	R13	3	12	23	77	10	150								0.9578										0.9578	1.54484
Nitrogen Dioxide	R13	3	13	23	77	10	150								0.9578										0.9578	1.54484
Nitrogen Dioxide	R13	3	14	23	77	10	150								0.9578										0.9578	1.54484
Nitrogen Dioxide	R13	3	15	23	76	10	150								0.961										0.961	1.55
Nitrogen Dioxide	R13	3	16	23	77	10	150								0.9578										0.9578	1.54484
Nitrogen Dioxide	R13	3	17	22	79	10	150								0.9672										0.9672	1.56
Nitrogen Dioxide	R13	3	18	22	82	10	150								0.958										0.958	1.54516
Nitrogen Dioxide	R13	3	19	21	84	10	150								0.968										0.968	1.56129
Nitrogen Dioxide	R13	3	20	21	85	10	150								0.9651										0.9651	1.55661
Nitrogen Dioxide	R13	3	21	21	86	10	150								0.9622										0.9622	1.55194
Nitrogen Dioxide	R13	3	22	21	86	10	150								0.9622										0.9622	1.55194
Nitrogen Dioxide	R13	3	23	21	85	10	150								0.9651										0.9651	1.55661
Nitrogen Dioxide	R13	3	24	21	86	10	0								0.9622										0	0
Nitrogen Dioxide	R13	4	1	20	83	10	0								0.9859										0	0
Nitrogen Dioxide	R13	4	2	20	85	10	0								0.9805										0	0
Nitrogen Dioxide	R13	4	3	20	84	10	0								0.9832										0	0
Nitrogen Dioxide	R13	4	4	20	85	10	0								0.9805										0	0
Nitrogen Dioxide	R13	4	5	19	84	10	0								0.9975										0	0
Nitrogen Dioxide	R13	4	6	19	84	10	0								0.9975										0	0
Nitrogen Dioxide	R13	4	7	20	84	10	0								0.9832										0	0
Nitrogen Dioxide	R13	4	8	21	79	10	150								0.9824										0.9824	1.58452
Nitrogen Dioxide	R13	4	9	22	73	10	150								0.9857										0.9857	1.58984
Nitrogen Dioxide	R13	4	10	23	69	10	150								0.984										0.984	1.5871
Nitrogen Dioxide	R13	4	11	23	68	10	150								0.9873										0.9873	1.59242
Nitrogen Dioxide	R13	4	12	24	66	10	150								0.9797										0.9797	1.58016
Nitrogen Dioxide	R13	4	13	24	65	10	150								0.9832										0.9832	1.58581
Nitrogen Dioxide	R13	4	14	24	66	10	150								0.9797										0.9797	1.58016
Nitrogen Dioxide	R13	4	15	24	66	10	150								0.9797										0.9797	1.58016
Nitrogen Dioxide	R13	4	16	24	67	10	150								0.9762										0.9762	1.57452
Nitrogen Dioxide	R13	4	17	23	69	10	150								0.984										0.984	1.5871
Nitrogen Dioxide	R13	4	18	23	74	10	150								0.9826										0.9826	1.58484
Nitrogen Dioxide	R13	4	19	22	76	10	150								0.9765										0.9765	1.575
Nitrogen Dioxide	R13	4	20	21	79	10	150								0.9824										0.9824	1.58452
Nitrogen Dioxide	R13	4	21	21	80	10	150								0.9795										0.9795	1.57984
Nitrogen Dioxide	R13	4	22	21	81	10	150								0.9766										0.9766	1.57516
Nitrogen Dioxide	R13	4	23	21	82	10	150								0.9737										0.9737	1.57048
Nitrogen Dioxide	R13	4	24	20	82	10	0								0.9886										0	0
Nitrogen Dioxide	R13	5	1	26	91	10	0								0.8501										0	0
Nitrogen Dioxide	R13	5	2	25	92	10	0								0.8681										0	0
Nitrogen Dioxide	R13	5	3	25	92	10	0								0.8681										0	0
Nitrogen Dioxide	R13	5	4	25	91	10	0								0.8718										0	0
Nitrogen Dioxide	R13	5	5	25	92	10	0								0.8681										0	0
Nitrogen Dioxide	R13	5	6	25	93	10	0								0.8644										0	0
Nitrogen Dioxide	R13	5	7	26	91	10	0								0.8501										0	0
Nitrogen Dioxide	R13	5	8	27	85	10	150								0.8525										0.8525	1.375
Nitrogen Dioxide	R13	5	9	28	80	10	150								0.8524										0.8524	1.37484
Nitrogen Dioxide	R13	5	10	28	78	10	150								0.8613										0.8613	1.38919
Nitrogen Dioxide	R13	5	11	29	77	10	150								0.8444										0.8444	1.36194
Nitrogen Dioxide	R13	5	12	29	75	10	150								0.8539										0.8539	1.37726
Nitrogen Dioxide	R13	5	13	29	74	10	150								0.8587										0.8587	1.385
Nitrogen Dioxide	R13	5	14	29	75	10	150								0.8539										0.8539	1.37726
Nitrogen Dioxide	R13	5	15	29	75	10	150								0.8539										0.8539	1.37726
Nitrogen Dioxide	R13	5	16	29	77	10	150								0.8444										0.8444	1.36194
Nitrogen Dioxide	R13	5	17	28	78	10	150								0.8613										0.8613	1.38919
Nitrogen Dioxide	R13	5	18	28	81	10	150								0.8479										0.8479	1.36758
Nitrogen Dioxide	R13	5	19	27	84	10	150								0.8567										0.8567	1.38177
Nitrogen Dioxide	R13	5	20	27	87	10	150								0.8441										0.8441	1.36145
Nitrogen Dioxide	R13	5	21	27	88	10	150								0.8399										0.8399	1.35468
Nitrogen Dioxide	R13	5	22	26	89	10	150								0.858										0.858	1.38387
Nitrogen Dioxide	R13	5	23	26	89	10	150								0.858										0.858	1.38387
Nitrogen Dioxide	R13	5	24	26	90	10	0								0.8543										0	0
Nitrogen Dioxide	R13	6	1	28	88	10	0								0.8166										0	0
Nitrogen Dioxide	R13	6	2	27	89	10	0								0.8357										0	0
Nitrogen Dioxide	R13	6	3	27	89	10	0								0.8357										0	0
Nitrogen Dioxide	R13	6	4	27	88	10	0								0.8399										0	0
Nitrogen Dioxide	R13	6	5	27	89	10	0								0.8357										0	0
Nitrogen Dioxide	R13	6	6	27	90	10	0								0.8315										0	0
Nitrogen Dioxide	R13	6	7	28	87	10	0								0.8211										0	0
Nitrogen Dioxide	R13	6	8	29	82	10	150								0.8207										0.8207	1.32371
Nitrogen Dioxide	R13	6	9	29	79	10	150								0.8349										0.8349	1.34661
Nitrogen Dioxide	R13	6	10	30	76	10	150								0.827										0.827	1.33387
Nitrogen Dioxide	R13	6	11	30	75	10	150								0.8321										0.8321	1.3421
Nitrogen Dioxide	R13	6	12	30	74	10	150								0.8371										0.8371	1.35016
Nitrogen Dioxide	R13	6	13	31	73	10	150								0.8198										0.8198	1.32226
Nitrogen Dioxide	R13	6	14	31	72	10	150								0.8252										0.8252	1.33097
Nitrogen Dioxide	R13	6	15	30	74	10	150								0.8371										0.8371	1.35016
Nitrogen Dioxide	R13	6	16	30	74	10	150								0.8371										0.8371	1.35016
Nitrogen Dioxide	R13	6	17	30	75	10	150								0.8321										0.8321	1.3421
Nitrogen Dioxide	R13	6	18	29	79	10	150								0.8349										0.8349	1.34661
Nitrogen Dioxide	R13	6	19	29	81	10	150								0.8254										0.8254	1.33129
Nitrogen Dioxide	R13	6	20	28	83	10	150								0.839										0.839	1.35323
Nitrogen Dioxide	R13	6	21	28	85	10	150								0.83										0.83	1.33871
Nitrogen Dioxide	R13	6	22	28	86	10	150								0.8256										0.8256	1.33161
Nitrogen Dioxide	R13	6	23	28	87	10	150								0.8211										0.8211	1.32435
Nitrogen Dioxide	R13	6	24	28	87	10	0								0.8211										0	0
Nitrogen Dioxide	R13	7	1	28	84	10	0								0.8345										0	0
Nitrogen Dioxide	R13	7	2	28	84	10	0								0.8345										0	0
Nitrogen Dioxide	R13	7	3	28	86	10	0								0.8256										0	0
Nitrogen Dioxide	R13	7	4	28	86	10	0								0.8256										0	0
Nitrogen Dioxide	R13	7	5	28	88	10	0								0.8166										0	0
Nitrogen Dioxide	R13	7	6	27	88	10	0								0.8399										0	0
Nitrogen Dioxide	R13	7	7	28	86	10	0								0.8256										0	0
Nitrogen Dioxide	R13	7	8	29	81	10	150								0.8254										0.8254	1.33129
Nitrogen Dioxide	R13	7	9	30	76	10	150								0.827										0.827	1.33387
Nitrogen Dioxide	R13	7	10	31	70	10	150								0.8358										0.8358	1.34806
Nitrogen Dioxide	R13	7	11	31	68	10	150								0.8465										0.8465	1.36532
Nitrogen Dioxide	R13	7	12	32	67	10	150								0.8304										0.8304	1.33935
Nitrogen Dioxide	R13	7	13	32	66	10	150								0.8361										0.8361	1.34855
Nitrogen Dioxide	R13	7	14	32	66	10	150								0.8361										0.8361	1.34855
Nitrogen Dioxide	R13	7	15	31	68	10	150								0.8465										0.8465	1.36532
Nitrogen Dioxide	R13	7	16	31	69	10	150								0.8412										0.8412	1.35677
Nitrogen Dioxide	R13	7	17	31	70	10	150								0.8358										0.8358	1.34806
Nitrogen Dioxide	R13	7	18	30	73	10	150								0.8421										0.8421	1.35823
Nitrogen Dioxide	R13	7	19	29	76	10	150								0.8492										0.8492	1.36968
Nitrogen Dioxide	R13	7	20	29	79	10	150								0.8349										0.8349	1.34661
Nitrogen Dioxide	R13	7	21	29	81	10	150								0.8254										0.8254	1.33129
Nitrogen Dioxide	R13	7	22	29	82	10	150								0.8207										0.8207	1.32371
Nitrogen Dioxide	R13	7	23	28	83	10	150								0.839										0.839	1.35323
Nitrogen Dioxide	R13	7	24	28	84	10	0								0.8345										0	0
Nitrogen Dioxide	R13	8	1	27	90	10	0								0.8315										0	0
Nitrogen Dioxide	R13	8	2	26	90	10	0								0.8541										0	0
Nitrogen Dioxide	R13	8	3	26	91	10	0								0.8501										0	0
Nitrogen Dioxide	R13	8	4	26	92	10	0								0.8462										0	0
Nitrogen Dioxide	R13	8	5	26	93	10	0								0.8422										0	0

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:
(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.
(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Dioxide	R13	8	6	26	94	10	0								0.8383										0	0
Nitrogen Dioxide	R13	8	7	26	93	10	0								0.8422										0	0
Nitrogen Dioxide	R13	8	8	27	87	10	150								0.8441										0.8441	1.36145
Nitrogen Dioxide	R13	8	9	29	81	10	150								0.8254										0.8254	1.33129
Nitrogen Dioxide	R13	8	10	30	76	10	150								0.827										0.827	1.33387
Nitrogen Dioxide	R13	8	11	30	73	10	150								0.8421										0.8421	1.35823
Nitrogen Dioxide	R13	8	12	30	73	10	150								0.8421										0.8421	1.35823
Nitrogen Dioxide	R13	8	13	30	74	10	150								0.8371										0.8371	1.35016
Nitrogen Dioxide	R13	8	14	30	74	10	150								0.8371										0.8371	1.35016
Nitrogen Dioxide	R13	8	15	30	75	10	150								0.8321										0.8321	1.3421
Nitrogen Dioxide	R13	8	16	29	77	10	150								0.8444										0.8444	1.36194
Nitrogen Dioxide	R13	8	17	29	79	10	150								0.8349										0.8349	1.34661
Nitrogen Dioxide	R13	8	18	28	80	10	150								0.8524										0.8524	1.37484
Nitrogen Dioxide	R13	8	19	28	82	10	150								0.8435										0.8435	1.36048
Nitrogen Dioxide	R13	8	20	28	84	10	150								0.8345										0.8345	1.34597
Nitrogen Dioxide	R13	8	21	27	85	10	150								0.8525										0.8525	1.375
Nitrogen Dioxide	R13	8	22	27	87	10	150								0.8441										0.8441	1.36145
Nitrogen Dioxide	R13	8	23	27	88	10	150								0.8399										0.8399	1.35468
Nitrogen Dioxide	R13	8	24	27	89	10	0								0.8357										0	0
Nitrogen Dioxide	R13	9	1	27	89	10	0								0.8357										0	0
Nitrogen Dioxide	R13	9	2	26	89	10	0								0.858										0	0
Nitrogen Dioxide	R13	9	3	26	91	10	0								0.8501										0	0
Nitrogen Dioxide	R13	9	4	26	92	10	0								0.8462										0	0
Nitrogen Dioxide	R13	9	5	26	92	10	0								0.8462										0	0
Nitrogen Dioxide	R13	9	6	26	93	10	0								0.8422										0	0
Nitrogen Dioxide	R13	9	7	26	93	10	0								0.8422										0	0
Nitrogen Dioxide	R13	9	8	27	88	10	150								0.8399										0.8399	1.35468
Nitrogen Dioxide	R13	9	9	28	83	10	150								0.839										0.839	1.35323
Nitrogen Dioxide	R13	9	10	29	78	10	150								0.8397										0.8397	1.35435
Nitrogen Dioxide	R13	9	11	29	76	10	150								0.8492										0.8492	1.36968
Nitrogen Dioxide	R13	9	12	29	76	10	150								0.8492										0.8492	1.36968
Nitrogen Dioxide	R13	9	13	30	75	10	150								0.8321										0.8321	1.3421
Nitrogen Dioxide	R13	9	14	29	75	10	150								0.8539										0.8539	1.37726
Nitrogen Dioxide	R13	9	15	29	77	10	150								0.8444										0.8444	1.36194
Nitrogen Dioxide	R13	9	16	29	76	10	150								0.8492										0.8492	1.36968
Nitrogen Dioxide	R13	9	17	29	78	10	150								0.8397										0.8397	1.35435
Nitrogen Dioxide	R13	9	18	28	81	10	150								0.8479										0.8479	1.36758
Nitrogen Dioxide	R13	9	19	27	84	10	150								0.8567										0.8567	1.38177
Nitrogen Dioxide	R13	9	20	27	86	10	150								0.8483										0.8483	1.36823
Nitrogen Dioxide	R13	9	21	27	87	10	150								0.8441										0.8441	1.36145
Nitrogen Dioxide	R13	9	22	27	89	10	150								0.8357										0.8357	1.3479
Nitrogen Dioxide	R13	9	23	27	89	10	150								0.8357										0.8357	1.3479
Nitrogen Dioxide	R13	9	24	26	89	10	0								0.858										0	0
Nitrogen Dioxide	R13	10	1	24	74	10	0								0.9517										0	0
Nitrogen Dioxide	R13	10	2	23	74	10	0								0.9676										0	0
Nitrogen Dioxide	R13	10	3	23	74	10	0								0.9676										0	0
Nitrogen Dioxide	R13	10	4	23	75	10	0								0.9643										0	0
Nitrogen Dioxide	R13	10	5	23	74	10	0								0.9676										0	0
Nitrogen Dioxide	R13	10	6	23	75	10	0								0.9643										0	0
Nitrogen Dioxide	R13	10	7	23	75	10	0								0.9643										0	0
Nitrogen Dioxide	R13	10	8	23	72	10	150								0.9742										0.9742	1.57129
Nitrogen Dioxide	R13	10	9	24	69	10	150								0.9692										0.9692	1.56323
Nitrogen Dioxide	R13	10	10	25	64	10	150								0.9722										0.9722	1.56806
Nitrogen Dioxide	R13	10	11	26	61	10	150								0.9688										0.9688	1.56258
Nitrogen Dioxide	R13	10	12	27	60	10	150								0.9577										0.9577	1.54468
Nitrogen Dioxide	R13	10	13	27	59	10	150								0.9619										0.9619	1.55145
Nitrogen Dioxide	R13	10	14	27	59	10	150								0.9619										0.9619	1.55145
Nitrogen Dioxide	R13	10	15	27	60	10	150								0.9577										0.9577	1.54468
Nitrogen Dioxide	R13	10	16	27	62	10	150								0.9492										0.9492	1.53097
Nitrogen Dioxide	R13	10	17	26	65	10	150								0.953										0.953	1.5371
Nitrogen Dioxide	R13	10	18	25	67	10	150								0.961										0.961	1.55
Nitrogen Dioxide	R13	10	19	25	69	10	150								0.9536										0.9536	1.53806
Nitrogen Dioxide	R13	10	20	25	71	10	150								0.9462										0.9462	1.52613
Nitrogen Dioxide	R13	10	21	24	71	10	150								0.9622										0.9622	1.55194
Nitrogen Dioxide	R13	10	22	24	71	10	150								0.9622										0.9622	1.55194
Nitrogen Dioxide	R13	10	23	24	72	10	150								0.9587										0.9587	1.54629
Nitrogen Dioxide	R13	10	24	24	72	10	0								0.9587										0	0
Nitrogen Dioxide	R13	11	1	21	75	10	0								0.9939										0	0
Nitrogen Dioxide	R13	11	2	21	74	10	0								0.9968										0	0
Nitrogen Dioxide	R13	11	3	21	74	10	0								0.9968										0	0
Nitrogen Dioxide	R13	11	4	21	74	10	0								0.9968										0	0
Nitrogen Dioxide	R13	11	5	21	74	10	0								0.9968										0	0
Nitrogen Dioxide	R13	11	6	21	73	10	0								0.9997										0	0
Nitrogen Dioxide	R13	11	7	21	73	10	0								0.9997										0	0
Nitrogen Dioxide	R13	11	8	21	70	10	150								1.0083										1.0083	1.62629
Nitrogen Dioxide	R13	11	9	22	66	10	150								1.0072										1.0072	1.62452
Nitrogen Dioxide	R13	11	10	23	61	10	150								1.0102										1.0102	1.62935
Nitrogen Dioxide	R13	11	11	25	57	10	150								0.9982										0.9982	1.61
Nitrogen Dioxide	R13	11	12	25	56	10	150								1.0019										1.0019	1.61597
Nitrogen Dioxide	R13	11	13	25	56	10	150								1.0019										1.0019	1.61597
Nitrogen Dioxide	R13	11	14	26	56	10	150								0.9885										0.9885	1.59435
Nitrogen Dioxide	R13	11	15	26	57	10	150								0.9846										0.9846	1.58806
Nitrogen Dioxide	R13	11	16	25	58	10	150								0.9945										0.9945	1.60403
Nitrogen Dioxide	R13	11	17	24	63	10	150								0.9901										0.9901	1.59694
Nitrogen Dioxide	R13	11	18	23	66	10	150								0.9938										0.9938	1.6029
Nitrogen Dioxide	R13	11	19	23	70	10	150								0.9807										0.9807	1.58177
Nitrogen Dioxide	R13	11	20	22	70	10	150								0.9949										0.9949	1.60468
Nitrogen Dioxide	R13	11	21	22	72	10	150								0.9888										0.9888	1.59484
Nitrogen Dioxide	R13	11	22	22	74	10	150								0.9826										0.9826	1.58484
Nitrogen Dioxide	R13	11	23	22	74	10	150								0.9826										0.9826	1.58484
Nitrogen Dioxide	R13	11	24	21	74	10	0								0.9968										0	0
Nitrogen Dioxide	R13	12	1	16	68	10	0								1.069										0	0
Nitrogen Dioxide	R13	12	2	16	69	10	0								1.0669										0	0
Nitrogen Dioxide	R13	12	3	16	69	10	0								1.0669										0	0
Nitrogen Dioxide	R13	12	4	15	70	10	0								1.0742										0	0
Nitrogen Dioxide	R13	12	5	15	70	10	0								1.0742										0	0
Nitrogen Dioxide	R13	12	6	15	70	10	0								1.0742										0	0
Nitrogen Dioxide	R13	12	7	15	70	10	0								1.0742										0	0
Nitrogen Dioxide	R13	12	8	15	69	10	150								1.0761										1.0761	1.73565
Nitrogen Dioxide	R13	12	9	16	65	10	150								1.0752										1.0752	1.73419
Nitrogen Dioxide	R13	12	10	17	62	10	150								1.0726										1.0726	1.73
Nitrogen Dioxide	R13	12	11	18	58	10	150								1.0727										1.0727	1.73016
Nitrogen Dioxide	R13	12	12	19	57	10	150								1.0658										1.0658	1.71903
Nitrogen Dioxide	R13	12	13	19	56	10	150								1.0684										1.0684	1.72323
Nitrogen Dioxide	R13	12	14	19	56	10	150								1.0684										1.0684	1.72323
Nitrogen Dioxide	R13	12	15	19	56	10	150								1.0684										1.0684	1.72323
Nitrogen Dioxide	R13	12	16	19	57	10	150								1.0658										1.0658	1.71903
Nitrogen Dioxide	R13	12	17	18	60	10	150								1.0679										1.0679	1.72242
Nitrogen Dioxide	R13	12	18	18	64	10	150								1.0584										1.0584	1.7071
Nitrogen Dioxide	R13	12	19	17	65	10	150								1.0659										1.0659	1.71919
Nitrogen Dioxide	R13	12	20	17	66	10	150								1.0637										1.0637	1.71565
Nitrogen Dioxide	R13	12	21	17	66	10	150								1.0637										1.0637	1.71565
Nitrogen Dioxide	R13	12	22	16	66	10	150								1.0731										1.0731	1.73081
Nitrogen Dioxide	R13	12	23	16	66	10	150								1.0731										1.0731	1.73081
Nitrogen Dioxide	R13	12	24	16	67	10	0								1.071										0	0
Nitrogen Dioxide	R14	1	1	17	76	10	66								1.0415										1.0415	1.67984
Nitrogen Dioxide	R14	1	2	17	77	10	66								1.0393										1.0393	1.67629
Nitrogen Dioxide	R14	1	3	17	77	10	66								1.0393										1.0393	1.67629
Nitrogen Dioxide	R14	1	4	17	77	10	66								1.0393										1.0393	1.67629
Nitrogen Dioxide	R14	1	5	17	78	10	66								1.0371										1.0371	1.67274
Nitrogen Dioxide	R14	1	6	17	77	10	66								1.0393										1.0393	1.67629
Nitrogen Dioxide	R14	1	7	16	77	10	66								1.0503										1.0503	1.69403
Nitrogen Dioxide	R14	1	8	17	77	10	74								1.0393										1.0393	1.67629
Nitrogen Dioxide	R14	1	9	17	73	10	74								1.0482										1.0482	1.69065
Nitrogen Dioxide	R14	1	10	19	69	10	74								1.0355										1.0355	1.67016
Nitrogen Dioxide	R14	1	11	20	64	10	74								1.0372										1.0372	1.6729
Nitrogen Dioxide	R14	1	12	21	62	10	74								1.0314										1.0314	1.66355
Nitrogen Dioxide	R14	1	13	21	61	10	74								1.0343										1.0343	1.66823
Nitrogen Dioxide	R14	1	14	21	62	10	74								1.0314										1.0314	1.66355
Nitrogen Dioxide	R14	1	15	21	62	10	74								1.0314										1.0314	1.66355
Nitrogen Dioxide	R14	1	16	21	63	10	74								1.0285										1.0285	1.65887
Nitrogen Dioxide	R14	1	17	20	67	10	74								1.0291										1.0291	1.65984
Nitrogen Dioxide	R14	1	18	19	72	10	74								1.0279										1.0279	1.6579
Nitrogen Dioxide	R14	1	19	18	74	10	74								1.0348										1.0348	1.66903
Nitrogen Dioxide	R14	1	20	18	74	10	74								1.0348										1.0348	1.66903
Nitrogen Dioxide	R14	1	21	18	75	10	74								1.0324										1.0324	1.66516
Nitrogen Dioxide	R14	1	22	18	76	10	74								1.03										1.03	1.66129
Nitrogen Dioxide	R14	1	23	18	75	10	74								1.0324										1.0324	1.66516
Nitrogen Dioxide	R14	1	24	17	76	10	66								1.0415										1.0415	1.67984
Nitrogen Dioxide	R14	2	1	17	78	10	66								1.0371										1.0371	1.67274
Nitrogen Dioxide	R14	2	2	17	80	10	66								1.0327										1.0327	1.66565
Nitrogen Dioxide	R14	2	3	17	81	10	66								1.0305										1.0305	1.6621
Nitrogen Dioxide	R14	2	4	17	82	10	66								1.0282										1.0282	1.65839
Nitrogen Dioxide	R14	2	5	16	83	10	66								1.0378										1.0378	1.67387
Nitrogen Dioxide	R14	2	6	16	83	10	66								1.0378										1.0378	1.67387
Nitrogen Dioxide	R14	2	7	16	83	10	66								1.0378										1.0378	1.67387
Nitrogen Dioxide	R14	2	8	17	81	10	74								1.0305										1.0305	1.6621
Nitrogen Dioxide	R14	2	9	18	77	10	74								1.0277										1.0277	1.65758
Nitrogen Dioxide	R14	2	10	19	73	10	74								1.0254										1.0254	1.65387

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:
(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.
(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Dioxide	R14	2	11	20	70	10	74								1.021										1.021	1.64677
Nitrogen Dioxide	R14	2	12	20	68	10	74								1.0264										1.0264	1.65548
Nitrogen Dioxide	R14	2	13	21	65	10	74								1.0227										1.0227	1.64952
Nitrogen Dioxide	R14	2	14	21	65	10	74								1.0227										1.0227	1.64952
Nitrogen Dioxide	R14	2	15	21	66	10	74								1.0199										1.0199	1.645
Nitrogen Dioxide	R14	2	16	20	68	10	74								1.0264										1.0264	1.65548
Nitrogen Dioxide	R14	2	17	20	70	10	74								1.021										1.021	1.64677
Nitrogen Dioxide	R14	2	18	19	74	10	74								1.0228										1.0228	1.64968
Nitrogen Dioxide	R14	2	19	18	76	10	74								1.03										1.03	1.66129
Nitrogen Dioxide	R14	2	20	18	78	10	74								1.0253										1.0253	1.65371
Nitrogen Dioxide	R14	2	21	18	78	10	74								1.0253										1.0253	1.65371
Nitrogen Dioxide	R14	2	22	18	78	10	74								1.0253										1.0253	1.65371
Nitrogen Dioxide	R14	2	23	18	78	10	74								1.0253										1.0253	1.65371
Nitrogen Dioxide	R14	2	24	18	78	10	66								1.0253										1.0253	1.65371
Nitrogen Dioxide	R14	3	1	21	86	10	66								0.9622										0.9622	1.55194
Nitrogen Dioxide	R14	3	2	20	87	10	66								0.9751										0.9751	1.57274
Nitrogen Dioxide	R14	3	3	20	87	10	66								0.9751										0.9751	1.57274
Nitrogen Dioxide	R14	3	4	20	87	10	66								0.9751										0.9751	1.57274
Nitrogen Dioxide	R14	3	5	20	87	10	66								0.9751										0.9751	1.57274
Nitrogen Dioxide	R14	3	6	20	87	10	66								0.9751										0.9751	1.57274
Nitrogen Dioxide	R14	3	7	20	87	10	66								0.9751										0.9751	1.57274
Nitrogen Dioxide	R14	3	8	20	86	10	74								0.9778										0.9778	1.5771
Nitrogen Dioxide	R14	3	9	21	83	10	74								0.9709										0.9709	1.56597
Nitrogen Dioxide	R14	3	10	22	79	10	74								0.9672										0.9672	1.56
Nitrogen Dioxide	R14	3	11	22	78	10	74								0.9703										0.9703	1.565
Nitrogen Dioxide	R14	3	12	23	77	10	74								0.9578										0.9578	1.54484
Nitrogen Dioxide	R14	3	13	23	77	10	74								0.9578										0.9578	1.54484
Nitrogen Dioxide	R14	3	14	23	77	10	74								0.9578										0.9578	1.54484
Nitrogen Dioxide	R14	3	15	23	76	10	74								0.961										0.961	1.55
Nitrogen Dioxide	R14	3	16	23	77	10	74								0.9578										0.9578	1.54484
Nitrogen Dioxide	R14	3	17	22	79	10	74								0.9672										0.9672	1.56
Nitrogen Dioxide	R14	3	18	22	82	10	74								0.958										0.958	1.54516
Nitrogen Dioxide	R14	3	19	21	84	10	74								0.968										0.968	1.56129
Nitrogen Dioxide	R14	3	20	21	85	10	74								0.9651										0.9651	1.55661
Nitrogen Dioxide	R14	3	21	21	86	10	74								0.9622										0.9622	1.55194
Nitrogen Dioxide	R14	3	22	21	86	10	74								0.9622										0.9622	1.55194
Nitrogen Dioxide	R14	3	23	21	85	10	74								0.9651										0.9651	1.55661
Nitrogen Dioxide	R14	3	24	21	86	10	66								0.9622										0.9622	1.55194
Nitrogen Dioxide	R14	4	1	20	83	10	66								0.9859										0.9859	1.59016
Nitrogen Dioxide	R14	4	2	20	85	10	66								0.9805										0.9805	1.58145
Nitrogen Dioxide	R14	4	3	20	84	10	66								0.9832										0.9832	1.58581
Nitrogen Dioxide	R14	4	4	20	85	10	66								0.9805										0.9805	1.58145
Nitrogen Dioxide	R14	4	5	19	84	10	66								0.9975										0.9975	1.60887
Nitrogen Dioxide	R14	4	6	19	84	10	66								0.9975										0.9975	1.60887
Nitrogen Dioxide	R14	4	7	20	84	10	66								0.9832										0.9832	1.58581
Nitrogen Dioxide	R14	4	8	21	79	10	74								0.9824										0.9824	1.58452
Nitrogen Dioxide	R14	4	9	22	73	10	74								0.9857										0.9857	1.58984
Nitrogen Dioxide	R14	4	10	23	69	10	74								0.984										0.984	1.5871
Nitrogen Dioxide	R14	4	11	23	68	10	74								0.9873										0.9873	1.59242
Nitrogen Dioxide	R14	4	12	24	66	10	74								0.9797										0.9797	1.58016
Nitrogen Dioxide	R14	4	13	24	65	10	74								0.9832										0.9832	1.58581
Nitrogen Dioxide	R14	4	14	24	66	10	74								0.9797										0.9797	1.58016
Nitrogen Dioxide	R14	4	15	24	66	10	74								0.9797										0.9797	1.58016
Nitrogen Dioxide	R14	4	16	24	67	10	74								0.9762										0.9762	1.57452
Nitrogen Dioxide	R14	4	17	23	69	10	74								0.984										0.984	1.5871
Nitrogen Dioxide	R14	4	18	22	74	10	74								0.9826										0.9826	1.58484
Nitrogen Dioxide	R14	4	19	22	76	10	74								0.9765										0.9765	1.575
Nitrogen Dioxide	R14	4	20	21	79	10	74								0.9824										0.9824	1.58452
Nitrogen Dioxide	R14	4	21	21	80	10	74								0.9795										0.9795	1.57984
Nitrogen Dioxide	R14	4	22	21	81	10	74								0.9766										0.9766	1.57516
Nitrogen Dioxide	R14	4	23	21	82	10	74								0.9737										0.9737	1.57048
Nitrogen Dioxide	R14	4	24	20	82	10	66								0.9886										0.9886	1.59452
Nitrogen Dioxide	R14	5	1	26	91	10	66								0.8501										0.8501	1.37113
Nitrogen Dioxide	R14	5	2	25	92	10	66								0.8681										0.8681	1.40016
Nitrogen Dioxide	R14	5	3	25	92	10	66								0.8681										0.8681	1.40016
Nitrogen Dioxide	R14	5	4	25	91	10	66								0.8718										0.8718	1.40613
Nitrogen Dioxide	R14	5	5	25	92	10	66								0.8681										0.8681	1.40016
Nitrogen Dioxide	R14	5	6	25	93	10	66								0.8644										0.8644	1.39419
Nitrogen Dioxide	R14	5	7	26	91	10	66								0.8501										0.8501	1.37113
Nitrogen Dioxide	R14	5	8	27	85	10	74								0.8525										0.8525	1.375
Nitrogen Dioxide	R14	5	9	28	80	10	74								0.8524										0.8524	1.37484
Nitrogen Dioxide	R14	5	10	28	78	10	74								0.8613										0.8613	1.38919
Nitrogen Dioxide	R14	5	11	29	77	10	74								0.8444										0.8444	1.36194
Nitrogen Dioxide	R14	5	12	29	75	10	74								0.8539										0.8539	1.37726
Nitrogen Dioxide	R14	5	13	29	74	10	74								0.8587										0.8587	1.385
Nitrogen Dioxide	R14	5	14	29	75	10	74								0.8539										0.8539	1.37726
Nitrogen Dioxide	R14	5	15	29	75	10	74								0.8539										0.8539	1.37726
Nitrogen Dioxide	R14	5	16	29	77	10	74								0.8444										0.8444	1.36194
Nitrogen Dioxide	R14	5	17	28	78	10	74								0.8613										0.8613	1.38919
Nitrogen Dioxide	R14	5	18	28	81	10	74								0.8479										0.8479	1.36758
Nitrogen Dioxide	R14	5	19	27	84	10	74								0.8567										0.8567	1.38177
Nitrogen Dioxide	R14	5	20	27	87	10	74								0.8441										0.8441	1.36145
Nitrogen Dioxide	R14	5	21	27	88	10	74								0.8399										0.8399	1.35468
Nitrogen Dioxide	R14	5	22	26	89	10	74								0.858										0.858	1.38387
Nitrogen Dioxide	R14	5	23	26	89	10	74								0.858										0.858	1.38387
Nitrogen Dioxide	R14	5	24	26	90	10	66								0.8541										0.8541	1.37758
Nitrogen Dioxide	R14	6	1	28	88	10	66								0.8166										0.8166	1.3171
Nitrogen Dioxide	R14	6	2	27	89	10	66								0.8357										0.8357	1.3479
Nitrogen Dioxide	R14	6	3	27	89	10	66								0.8357										0.8357	1.3479
Nitrogen Dioxide	R14	6	4	27	88	10	66								0.8399										0.8399	1.35468
Nitrogen Dioxide	R14	6	5	27	89	10	66								0.8357										0.8357	1.3479
Nitrogen Dioxide	R14	6	6	27	90	10	66								0.8315										0.8315	1.34113
Nitrogen Dioxide	R14	6	7	28	87	10	66								0.8211										0.8211	1.32435
Nitrogen Dioxide	R14	6	8	29	82	10	74								0.8207										0.8207	1.32371
Nitrogen Dioxide	R14	6	9	29	79	10	74								0.8349										0.8349	1.34661
Nitrogen Dioxide	R14	6	10	30	76	10	74								0.827										0.827	1.33387
Nitrogen Dioxide	R14	6	11	30	75	10	74								0.8321										0.8321	1.3421
Nitrogen Dioxide	R14	6	12	30	74	10	74								0.8371										0.8371	1.35016
Nitrogen Dioxide	R14	6	13	31	73	10	74								0.8198										0.8198	1.32226
Nitrogen Dioxide	R14	6	14	31	72	10	74								0.8252										0.8252	1.33097
Nitrogen Dioxide	R14	6	15	30	74	10	74								0.8371										0.8371	1.35016
Nitrogen Dioxide	R14	6	16	30	74	10	74								0.8371										0.8371	1.35016
Nitrogen Dioxide	R14	6	17	30	75	10	74								0.8321										0.8321	1.3421
Nitrogen Dioxide	R14	6	18	29	79	10	74								0.8349										0.8349	1.34661
Nitrogen Dioxide	R14	6	19	29	81	10	74								0.8254										0.8254	1.33129
Nitrogen Dioxide	R14	6	20	28	83	10	74								0.8393										0.8393	1.35323
Nitrogen Dioxide	R14	6	21	28	85	10	74								0.83										0.83	1.33871
Nitrogen Dioxide	R14	6	22	28	86	10	74								0.8256										0.8256	1.33161
Nitrogen Dioxide	R14	6	23	28	87	10	74								0.8211										0.8211	1.32435
Nitrogen Dioxide	R14	6	24	28	87	10	66								0.8211										0.8211	1.32435
Nitrogen Dioxide	R14	7	1	28	84	10	66								0.8345										0.8345	1.34597
Nitrogen Dioxide	R14	7	2	28	84	10	66								0.8345										0.8345	1.34597
Nitrogen Dioxide	R14	7	3	28	86	10	66								0.8256										0.8256	1.33161
Nitrogen Dioxide	R14	7	4	28	86	10	66								0.8256										0.8256	1.33161
Nitrogen Dioxide	R14	7	5	28	88	10	66								0.8166										0.8166	1.3171
Nitrogen Dioxide	R14	7	6	27	88	10	66								0.8399										0.8399	1.35468
Nitrogen Dioxide	R14	7	7	28	86	10	66								0.8256										0.8256	1.33161
Nitrogen Dioxide	R14	7	8	29	81	10	74								0.8254										0.8254	1.33129
Nitrogen Dioxide	R14	7	9	30	76	10	74								0.827										0.827	1.33387
Nitrogen Dioxide	R14	7	10	31	70	10	74								0.8358										0.8358	1.34806
Nitrogen Dioxide	R14	7	11	31	68	10	74								0.8465										0.8465	1.36532
Nitrogen Dioxide	R14	7	12	32	67	10	74								0.8304										0.8304	1.33935
Nitrogen Dioxide	R14	7	13	32	66	10	74								0.8361										0.8361	1.34855
Nitrogen Dioxide	R14	7	14	32	66	10	74								0.8361										0.8361	1.34855
Nitrogen Dioxide	R14	7	15	31	68	10	74								0.8465										0.8465	1.36532
Nitrogen Dioxide	R14	7	16	31	69	10	74								0.8412										0.8412	1.35677
Nitrogen Dioxide	R14	7	17	31	70	10	74								0.8358										0.8358	1.34806
Nitrogen Dioxide	R14	7	18	30	73	10	74								0.8421										0.8421	1.35823
Nitrogen Dioxide	R14	7	19	29	76	10	74								0.8492										0.8492	1.36968
Nitrogen Dioxide	R14	7	20	29	79	10	74								0.8349										0.8349	1.34661
Nitrogen Dioxide	R14	7	21	29	81	10	74								0.8254										0.8254	1.33129
Nitrogen Dioxide	R14	7	22	29	82	10	74								0.8207										0.8207	1.32371
Nitrogen Dioxide	R14	7	23	28	83	10	74								0.839										0.839	1.35323
Nitrogen Dioxide	R14	7	24	28	84	10	66								0.8345										0.8345	1.34597
Nitrogen Dioxide	R14	8	1	27	90	10	66								0.8315										0.8315	1.34113
Nitrogen Dioxide	R14	8	2	26	90	10	66								0.8541										0.8541	1.37758
Nitrogen Dioxide	R14	8	3	26	91	10	66								0.8501										0.8501	1.37113
Nitrogen Dioxide	R14	8	4	26	92	10	66								0.8462										0.8462	1.36484
Nitrogen Dioxide	R14	8	5	26	93	10	66								0.8422										0.8422	1.35839
Nitrogen Dioxide	R14	8	6	26	94	10	66								0.8383										0.8383	1.3521
Nitrogen Dioxide	R14	8	7	26	93	10	66								0.8422										0.8422	1.35839
Nitrogen Dioxide	R14	8	8	27	87	10	74								0.8441										0.8441	1.36145
Nitrogen Dioxide	R14	8	9	29	81	10	74								0.8254										0.8254	1.33129
Nitrogen Dioxide	R14	8	10	30	76	10	74								0.827										0.827	1.33387
Nitrogen Dioxide	R14	8	11	30	73	10	74								0.8421										0.8421	1.35823
Nitrogen Dioxide	R14	8	12	30	73	10	74								0.8421										0.8421	1.35823
Nitrogen Dioxide	R14	8	13	30	74	10	74								0.8371										0.8371	1.35016
Nitrogen Dioxide	R14	8	14	30	74	10	74								0.8371										0.8371	1.35016
Nitrogen Dioxide	R14	8	15	30	75	10	74								0.8321										0.8321	1.3421

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:
(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.
(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Dioxide	R14	8	16	29	77	10	74								0.8444										0.8444	1.36194
Nitrogen Dioxide	R14	8	17	29	79	10	74								0.8349										0.8349	1.34661
Nitrogen Dioxide	R14	8	18	28	80	10	74								0.8524										0.8524	1.37484
Nitrogen Dioxide	R14	8	19	28	82	10	74								0.8435										0.8435	1.36048
Nitrogen Dioxide	R14	8	20	28	84	10	74								0.8345										0.8345	1.34597
Nitrogen Dioxide	R14	8	21	27	85	10	74								0.8525										0.8525	1.375
Nitrogen Dioxide	R14	8	22	27	87	10	74								0.8441										0.8441	1.36145
Nitrogen Dioxide	R14	8	23	27	88	10	74								0.8399										0.8399	1.35468
Nitrogen Dioxide	R14	8	24	27	89	10	66								0.8357										0.8357	1.3479
Nitrogen Dioxide	R14	9	1	27	89	10	66								0.8357										0.8357	1.3479
Nitrogen Dioxide	R14	9	2	26	89	10	66								0.858										0.858	1.38387
Nitrogen Dioxide	R14	9	3	26	91	10	66								0.8501										0.8501	1.37113
Nitrogen Dioxide	R14	9	4	26	92	10	66								0.8462										0.8462	1.36484
Nitrogen Dioxide	R14	9	5	26	92	10	66								0.8462										0.8462	1.36484
Nitrogen Dioxide	R14	9	6	26	93	10	66								0.8422										0.8422	1.35839
Nitrogen Dioxide	R14	9	7	26	93	10	66								0.8422										0.8422	1.35839
Nitrogen Dioxide	R14	9	8	27	88	10	74								0.8399										0.8399	1.35468
Nitrogen Dioxide	R14	9	9	28	83	10	74								0.839										0.839	1.35323
Nitrogen Dioxide	R14	9	10	29	78	10	74								0.8397										0.8397	1.35435
Nitrogen Dioxide	R14	9	11	29	76	10	74								0.8492										0.8492	1.36968
Nitrogen Dioxide	R14	9	12	29	76	10	74								0.8492										0.8492	1.36968
Nitrogen Dioxide	R14	9	13	30	75	10	74								0.8321										0.8321	1.3421
Nitrogen Dioxide	R14	9	14	29	75	10	74								0.8539										0.8539	1.37726
Nitrogen Dioxide	R14	9	15	29	77	10	74								0.8444										0.8444	1.36194
Nitrogen Dioxide	R14	9	16	29	76	10	74								0.8492										0.8492	1.36968
Nitrogen Dioxide	R14	9	17	29	78	10	74								0.8397										0.8397	1.35435
Nitrogen Dioxide	R14	9	18	28	81	10	74								0.8479										0.8479	1.36758
Nitrogen Dioxide	R14	9	19	27	84	10	74								0.8567										0.8567	1.38177
Nitrogen Dioxide	R14	9	20	27	86	10	74								0.8483										0.8483	1.36823
Nitrogen Dioxide	R14	9	21	27	87	10	74								0.8441										0.8441	1.36145
Nitrogen Dioxide	R14	9	22	27	89	10	74								0.8357										0.8357	1.3479
Nitrogen Dioxide	R14	9	23	27	89	10	74								0.8357										0.8357	1.3479
Nitrogen Dioxide	R14	9	24	26	89	10	66								0.858										0.858	1.38387
Nitrogen Dioxide	R14	10	1	24	74	10	66								0.9517										0.9517	1.535
Nitrogen Dioxide	R14	10	2	23	74	10	66								0.9676										0.9676	1.56065
Nitrogen Dioxide	R14	10	3	23	74	10	66								0.9676										0.9676	1.56065
Nitrogen Dioxide	R14	10	4	23	75	10	66								0.9643										0.9643	1.55532
Nitrogen Dioxide	R14	10	5	23	74	10	66								0.9676										0.9676	1.56065
Nitrogen Dioxide	R14	10	6	23	75	10	66								0.9643										0.9643	1.55532
Nitrogen Dioxide	R14	10	7	23	75	10	66								0.9643										0.9643	1.55532
Nitrogen Dioxide	R14	10	8	23	72	10	74								0.9742										0.9742	1.57129
Nitrogen Dioxide	R14	10	9	24	69	10	74								0.9692										0.9692	1.56323
Nitrogen Dioxide	R14	10	10	25	64	10	74								0.9722										0.9722	1.56806
Nitrogen Dioxide	R14	10	11	26	61	10	74								0.9688										0.9688	1.56258
Nitrogen Dioxide	R14	10	12	27	60	10	74								0.9577										0.9577	1.54468
Nitrogen Dioxide	R14	10	13	27	59	10	74								0.9619										0.9619	1.55145
Nitrogen Dioxide	R14	10	14	27	59	10	74								0.9619										0.9619	1.55145
Nitrogen Dioxide	R14	10	15	27	60	10	74								0.9577										0.9577	1.54468
Nitrogen Dioxide	R14	10	16	27	62	10	74								0.9492										0.9492	1.53097
Nitrogen Dioxide	R14	10	17	26	65	10	74								0.953										0.953	1.5371
Nitrogen Dioxide	R14	10	18	25	67	10	74								0.961										0.961	1.55
Nitrogen Dioxide	R14	10	19	25	69	10	74								0.9536										0.9536	1.53806
Nitrogen Dioxide	R14	10	20	25	71	10	74								0.9462										0.9462	1.52613
Nitrogen Dioxide	R14	10	21	24	71	10	74								0.9622										0.9622	1.55194
Nitrogen Dioxide	R14	10	22	24	71	10	74								0.9622										0.9622	1.55194
Nitrogen Dioxide	R14	10	23	24	72	10	74								0.9587										0.9587	1.54629
Nitrogen Dioxide	R14	10	24	24	72	10	66								0.9587										0.9587	1.54629
Nitrogen Dioxide	R14	11	1	21	75	10	66								0.9939										0.9939	1.60306
Nitrogen Dioxide	R14	11	2	21	74	10	66								0.9968										0.9968	1.60774
Nitrogen Dioxide	R14	11	3	21	74	10	66								0.9968										0.9968	1.60774
Nitrogen Dioxide	R14	11	4	21	74	10	66								0.9968										0.9968	1.60774
Nitrogen Dioxide	R14	11	5	21	74	10	66								0.9968										0.9968	1.60774
Nitrogen Dioxide	R14	11	6	21	73	10	66								0.9997										0.9997	1.61242
Nitrogen Dioxide	R14	11	7	21	73	10	66								0.9997										0.9997	1.61242
Nitrogen Dioxide	R14	11	8	21	70	10	74								1.0083										1.0083	1.62629
Nitrogen Dioxide	R14	11	9	22	66	10	74								1.0072										1.0072	1.62452
Nitrogen Dioxide	R14	11	10	23	61	10	74								1.0102										1.0102	1.62935
Nitrogen Dioxide	R14	11	11	25	57	10	74								0.9982										0.9982	1.61
Nitrogen Dioxide	R14	11	12	25	56	10	74								1.0019										1.0019	1.61597
Nitrogen Dioxide	R14	11	13	25	56	10	74								1.0019										1.0019	1.61597
Nitrogen Dioxide	R14	11	14	26	56	10	74								0.9885										0.9885	1.59435
Nitrogen Dioxide	R14	11	15	26	57	10	74								0.9846										0.9846	1.58806
Nitrogen Dioxide	R14	11	16	25	58	10	74								0.9945										0.9945	1.60403
Nitrogen Dioxide	R14	11	17	24	63	10	74								0.9901										0.9901	1.59694
Nitrogen Dioxide	R14	11	18	23	66	10	74								0.9938										0.9938	1.6029
Nitrogen Dioxide	R14	11	19	23	70	10	74								0.9807										0.9807	1.58177
Nitrogen Dioxide	R14	11	20	22	70	10	74								0.9949										0.9949	1.60468
Nitrogen Dioxide	R14	11	21	22	72	10	74								0.9888										0.9888	1.59484
Nitrogen Dioxide	R14	11	22	22	74	10	74								0.9826										0.9826	1.58484
Nitrogen Dioxide	R14	11	23	22	74	10	74								0.9826										0.9826	1.58484
Nitrogen Dioxide	R14	11	24	21	74	10	66								0.9968										0.9968	1.60774
Nitrogen Dioxide	R14	12	1	16	68	10	66								1.069										1.069	1.72419
Nitrogen Dioxide	R14	12	2	16	69	10	66								1.0669										1.0669	1.72081
Nitrogen Dioxide	R14	12	3	16	69	10	66								1.0669										1.0669	1.72081
Nitrogen Dioxide	R14	12	4	15	70	10	66								1.0742										1.0742	1.73258
Nitrogen Dioxide	R14	12	5	15	70	10	66								1.0742										1.0742	1.73258
Nitrogen Dioxide	R14	12	6	15	70	10	66								1.0742										1.0742	1.73258
Nitrogen Dioxide	R14	12	7	15	70	10	66								1.0742										1.0742	1.73258
Nitrogen Dioxide	R14	12	8	15	69	10	74								1.0761										1.0761	1.73565
Nitrogen Dioxide	R14	12	9	16	65	10	74								1.0752										1.0752	1.73419
Nitrogen Dioxide	R14	12	10	17	62	10	74								1.0726										1.0726	1.73
Nitrogen Dioxide	R14	12	11	18	58	10	74								1.0727										1.0727	1.73016
Nitrogen Dioxide	R14	12	12	19	57	10	74								1.0658										1.0658	1.71903
Nitrogen Dioxide	R14	12	13	19	56	10	74								1.0684										1.0684	1.72323
Nitrogen Dioxide	R14	12	14	19	56	10	74								1.0684										1.0684	1.72323
Nitrogen Dioxide	R14	12	15	19	56	10	74								1.0684										1.0684	1.72323
Nitrogen Dioxide	R14	12	16	19	57	10	74								1.0658										1.0658	1.71903
Nitrogen Dioxide	R14	12	17	18	60	10	74								1.0679										1.0679	1.72242
Nitrogen Dioxide	R14	12	18	18	64	10	74								1.0584										1.0584	1.7071
Nitrogen Dioxide	R14	12	19	17	65	10	74								1.0659										1.0659	1.71919
Nitrogen Dioxide	R14	12	20	17	66	10	74								1.0637										1.0637	1.71565
Nitrogen Dioxide	R14	12	21	17	66	10	74								1.0637										1.0637	1.71565
Nitrogen Dioxide	R14	12	22	16	66	10	74								1.0731										1.0731	1.73081
Nitrogen Dioxide	R14	12	23	16	66	10	74								1.0731										1.0731	1.73081
Nitrogen Dioxide	R14	12	24	16	67	10	66								1.071										1.071	1.72742
Nitrogen Dioxide	R15	1	1	17	76	10	66								1.0415										1.0415	1.67984
Nitrogen Dioxide	R15	1	2	17	77	10	66								1.0393										1.0393	1.67629
Nitrogen Dioxide	R15	1	3	17	77	10	66								1.0393										1.0393	1.67629
Nitrogen Dioxide	R15	1	4	17	77	10	66								1.0393										1.0393	1.67629
Nitrogen Dioxide	R15	1	5	17	78	10	66								1.0371										1.0371	1.67274
Nitrogen Dioxide	R15	1	6	17	77	10	66								1.0393										1.0393	1.67629
Nitrogen Dioxide	R15	1	7	16	77	10	66								1.0503										1.0503	1.69403
Nitrogen Dioxide	R15	1	8	17	77	10	74								1.0393										1.0393	1.67629
Nitrogen Dioxide	R15	1	9	17	73	10	74								1.0482										1.0482	1.69065
Nitrogen Dioxide	R15	1	10	19	69	10	74								1.0355										1.0355	1.67016
Nitrogen Dioxide	R15	1	11	20	64	10	74								1.0372										1.0372	1.6729
Nitrogen Dioxide	R15	1	12	21	62	10	74								1.0314										1.0314	1.66355
Nitrogen Dioxide	R15	1	13	21	61	10	74								1.0343										1.0343	1.66823
Nitrogen Dioxide	R15	1	14	21	62	10	74								1.0314										1.0314	1.66355
Nitrogen Dioxide	R15	1	15	21	62	10	74								1.0314										1.0314	1.66355
Nitrogen Dioxide	R15	1	16	21	63	10	74								1.0285										1.0285	1.65887
Nitrogen Dioxide	R15	1	17	20	67	10	74								1.0291										1.0291	1.65984
Nitrogen Dioxide	R15	1	18	19	72	10	74								1.0279										1.0279	1.6579
Nitrogen Dioxide	R15	1	19	18	74	10	74								1.0348										1.0348	1.66903
Nitrogen Dioxide	R15	1	20	18	74	10	74								1.0348										1.0348	1.66903
Nitrogen Dioxide	R15	1	21	18	75	10	74								1.0324										1.0324	1.66516
Nitrogen Dioxide	R15	1	22	18	76	10	74								1.03										1.03	1.66129
Nitrogen Dioxide	R15	1	23	18	75	10	74								1.0324										1.0324	1.66516
Nitrogen Dioxide	R15	1	24	17	76	10	66								1.0415										1.0415	1.67984
Nitrogen Dioxide	R15	2	1	17	78	10	66								1.0371										1.0371	1.67274
Nitrogen Dioxide	R15	2	2	17	80	10	66								1.0327										1.0327	1.66565
Nitrogen Dioxide	R15	2	3	17	81	10	66								1.0305										1.0305	1.6621
Nitrogen Dioxide	R15	2	4	17	82	10	66								1.0282										1.0282	1.65839
Nitrogen Dioxide	R15	2	5	16	83	10	66								1.0378										1.0378	1.67387
Nitrogen Dioxide	R15	2	6	16	83	10	66								1.0378										1.0378	1.67387
Nitrogen Dioxide	R15	2	7	16	83	10	66								1.0378										1.0378	1.67387
Nitrogen Dioxide	R15	2	8	17	81	10	74								1.0305										1.0305	1.6621
Nitrogen Dioxide	R15	2	9	18	77	10	74								1.0277										1.0277	1.65758
Nitrogen Dioxide	R15	2	10	19	73	10	74								1.0254										1.0254	1.65387
Nitrogen Dioxide	R15	2	11	20	70	10	74								1.021										1.021	1.64677
Nitrogen Dioxide	R15	2	12	20	68	10	74								1.0264										1.0264	1.65548
Nitrogen Dioxide	R15	2	13	21	65	10	74								1.0227										1.0227	1.64952
Nitrogen Dioxide	R15	2	14	21	65	10	74								1.0227										1.0227	1.64952
Nitrogen Dioxide	R15	2	15	21	66	10	74								1.0199										1.0199	1.645
Nitrogen Dioxide	R15	2	16	20	68	10	74								1.0264										1.0264	1.65548
Nitrogen Dioxide	R15	2	17	20	70	10	74								1.021										1.021	1.64677
Nitrogen Dioxide	R15	2	18	19	74	10	74								1.0228										1.0228	1.64968
Nitrogen Dioxide	R15	2	19	18	76	10	74								1.03										1.03	1.66129
Nitrogen Dioxide	R15	2	20	18	78	10	74								1.0253										1.0253	1.65371

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:
(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.
(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Dioxide	R15	2	21	18	78	10	74								1.0253										1.0253	1.65371
Nitrogen Dioxide	R15	2	22	18	78	10	74								1.0253										1.0253	1.65371
Nitrogen Dioxide	R15	2	23	18	78	10	74								1.0253										1.0253	1.65371
Nitrogen Dioxide	R15	2	24	18	78	10	66								1.0253										1.0253	1.65371
Nitrogen Dioxide	R15	3	1	21	86	10	66								0.9622										0.9622	1.55194
Nitrogen Dioxide	R15	3	2	20	87	10	66								0.9751										0.9751	1.57274
Nitrogen Dioxide	R15	3	3	20	87	10	66								0.9751										0.9751	1.57274
Nitrogen Dioxide	R15	3	4	20	87	10	66								0.9751										0.9751	1.57274
Nitrogen Dioxide	R15	3	5	20	87	10	66								0.9751										0.9751	1.57274
Nitrogen Dioxide	R15	3	6	20	87	10	66								0.9751										0.9751	1.57274
Nitrogen Dioxide	R15	3	7	20	87	10	66								0.9751										0.9751	1.57274
Nitrogen Dioxide	R15	3	8	20	86	10	74								0.9778										0.9778	1.5771
Nitrogen Dioxide	R15	3	9	21	83	10	74								0.9709										0.9709	1.56597
Nitrogen Dioxide	R15	3	10	22	79	10	74								0.9672										0.9672	1.56
Nitrogen Dioxide	R15	3	11	22	78	10	74								0.9703										0.9703	1.565
Nitrogen Dioxide	R15	3	12	23	77	10	74								0.9578										0.9578	1.54484
Nitrogen Dioxide	R15	3	13	23	77	10	74								0.9578										0.9578	1.54484
Nitrogen Dioxide	R15	3	14	23	77	10	74								0.9578										0.9578	1.54484
Nitrogen Dioxide	R15	3	15	23	76	10	74								0.961										0.961	1.55
Nitrogen Dioxide	R15	3	16	23	77	10	74								0.9578										0.9578	1.54484
Nitrogen Dioxide	R15	3	17	22	79	10	74								0.9672										0.9672	1.56
Nitrogen Dioxide	R15	3	18	22	82	10	74								0.958										0.958	1.54516
Nitrogen Dioxide	R15	3	19	21	84	10	74								0.968										0.968	1.56129
Nitrogen Dioxide	R15	3	20	21	85	10	74								0.9651										0.9651	1.55661
Nitrogen Dioxide	R15	3	21	21	86	10	74								0.9622										0.9622	1.55194
Nitrogen Dioxide	R15	3	22	21	86	10	74								0.9622										0.9622	1.55194
Nitrogen Dioxide	R15	3	23	21	85	10	74								0.9651										0.9651	1.55661
Nitrogen Dioxide	R15	3	24	21	86	10	66								0.9622										0.9622	1.55194
Nitrogen Dioxide	R15	4	1	20	83	10	66								0.9859										0.9859	1.59016
Nitrogen Dioxide	R15	4	2	20	85	10	66								0.9805										0.9805	1.58145
Nitrogen Dioxide	R15	4	3	20	84	10	66								0.9832										0.9832	1.58581
Nitrogen Dioxide	R15	4	4	20	85	10	66								0.9805										0.9805	1.58145
Nitrogen Dioxide	R15	4	5	19	84	10	66								0.9975										0.9975	1.60887
Nitrogen Dioxide	R15	4	6	19	84	10	66								0.9975										0.9975	1.60887
Nitrogen Dioxide	R15	4	7	20	84	10	66								0.9832										0.9832	1.58581
Nitrogen Dioxide	R15	4	8	21	79	10	74								0.9824										0.9824	1.58452
Nitrogen Dioxide	R15	4	9	22	73	10	74								0.9857										0.9857	1.58984
Nitrogen Dioxide	R15	4	10	23	69	10	74								0.984										0.984	1.5871
Nitrogen Dioxide	R15	4	11	23	68	10	74								0.9873										0.9873	1.59242
Nitrogen Dioxide	R15	4	12	24	66	10	74								0.9797										0.9797	1.58016
Nitrogen Dioxide	R15	4	13	24	65	10	74								0.9832										0.9832	1.58581
Nitrogen Dioxide	R15	4	14	24	66	10	74								0.9797										0.9797	1.58016
Nitrogen Dioxide	R15	4	15	24	66	10	74								0.9797										0.9797	1.58016
Nitrogen Dioxide	R15	4	16	24	67	10	74								0.9762										0.9762	1.57452
Nitrogen Dioxide	R15	4	17	23	69	10	74								0.984										0.984	1.5871
Nitrogen Dioxide	R15	4	18	22	74	10	74								0.9826										0.9826	1.58484
Nitrogen Dioxide	R15	4	19	22	76	10	74								0.9765										0.9765	1.575
Nitrogen Dioxide	R15	4	20	21	79	10	74								0.9824										0.9824	1.58452
Nitrogen Dioxide	R15	4	21	21	80	10	74								0.9795										0.9795	1.57984
Nitrogen Dioxide	R15	4	22	21	81	10	74								0.9766										0.9766	1.57516
Nitrogen Dioxide	R15	4	23	21	82	10	74								0.9737										0.9737	1.57048
Nitrogen Dioxide	R15	4	24	20	82	10	66								0.9886										0.9886	1.59452
Nitrogen Dioxide	R15	5	1	26	91	10	66								0.8501										0.8501	1.37113
Nitrogen Dioxide	R15	5	2	25	92	10	66								0.8681										0.8681	1.40016
Nitrogen Dioxide	R15	5	3	25	92	10	66								0.8681										0.8681	1.40016
Nitrogen Dioxide	R15	5	4	25	91	10	66								0.8718										0.8718	1.40613
Nitrogen Dioxide	R15	5	5	25	92	10	66								0.8681										0.8681	1.40016
Nitrogen Dioxide	R15	5	6	25	93	10	66								0.8644										0.8644	1.39419
Nitrogen Dioxide	R15	5	7	26	91	10	66								0.8501										0.8501	1.37113
Nitrogen Dioxide	R15	5	8	27	85	10	74								0.8525										0.8525	1.375
Nitrogen Dioxide	R15	5	9	28	80	10	74								0.8524										0.8524	1.37484
Nitrogen Dioxide	R15	5	10	28	78	10	74								0.8613										0.8613	1.38919
Nitrogen Dioxide	R15	5	11	29	77	10	74								0.8444										0.8444	1.36194
Nitrogen Dioxide	R15	5	12	29	75	10	74								0.8539										0.8539	1.37726
Nitrogen Dioxide	R15	5	13	29	74	10	74								0.8582										0.8582	1.385
Nitrogen Dioxide	R15	5	14	29	75	10	74								0.8539										0.8539	1.37726
Nitrogen Dioxide	R15	5	15	29	75	10	74								0.8539										0.8539	1.37726
Nitrogen Dioxide	R15	5	16	29	77	10	74								0.8444										0.8444	1.36194
Nitrogen Dioxide	R15	5	17	28	78	10	74								0.8613										0.8613	1.38919
Nitrogen Dioxide	R15	5	18	28	81	10	74								0.8479										0.8479	1.36758
Nitrogen Dioxide	R15	5	19	27	84	10	74								0.8567										0.8567	1.38177
Nitrogen Dioxide	R15	5	20	27	87	10	74								0.8441										0.8441	1.36145
Nitrogen Dioxide	R15	5	21	27	88	10	74								0.8399										0.8399	1.35468
Nitrogen Dioxide	R15	5	22	26	89	10	74								0.858										0.858	1.38387
Nitrogen Dioxide	R15	5	23	26	89	10	74								0.858										0.858	1.38387
Nitrogen Dioxide	R15	5	24	26	90	10	66								0.8541										0.8541	1.37758
Nitrogen Dioxide	R15	6	1	28	88	10	66								0.8166										0.8166	1.3171
Nitrogen Dioxide	R15	6	2	27	89	10	66								0.8357										0.8357	1.3479
Nitrogen Dioxide	R15	6	3	27	89	10	66								0.8357										0.8357	1.3479
Nitrogen Dioxide	R15	6	4	27	88	10	66								0.8399										0.8399	1.35468
Nitrogen Dioxide	R15	6	5	27	89	10	66								0.8357										0.8357	1.3479
Nitrogen Dioxide	R15	6	6	27	90	10	66								0.8315										0.8315	1.34113
Nitrogen Dioxide	R15	6	7	28	87	10	66								0.8211										0.8211	1.32435
Nitrogen Dioxide	R15	6	8	29	82	10	74								0.8207										0.8207	1.32371
Nitrogen Dioxide	R15	6	9	29	79	10	74								0.8349										0.8349	1.34661
Nitrogen Dioxide	R15	6	10	30	76	10	74								0.827										0.827	1.33387
Nitrogen Dioxide	R15	6	11	30	75	10	74								0.8321										0.8321	1.3421
Nitrogen Dioxide	R15	6	12	30	74	10	74								0.8371										0.8371	1.35016
Nitrogen Dioxide	R15	6	13	31	73	10	74								0.8198										0.8198	1.32226
Nitrogen Dioxide	R15	6	14	31	72	10	74								0.8252										0.8252	1.33097
Nitrogen Dioxide	R15	6	15	30	74	10	74								0.8371										0.8371	1.35016
Nitrogen Dioxide	R15	6	16	30	74	10	74								0.8371										0.8371	1.35016
Nitrogen Dioxide	R15	6	17	30	75	10	74								0.8321										0.8321	1.3421
Nitrogen Dioxide	R15	6	18	29	79	10	74								0.8349										0.8349	1.34661
Nitrogen Dioxide	R15	6	19	29	81	10	74								0.8254										0.8254	1.33129
Nitrogen Dioxide	R15	6	20	28	83	10	74								0.839										0.839	1.35323
Nitrogen Dioxide	R15	6	21	28	85	10	74								0.83										0.83	1.33871
Nitrogen Dioxide	R15	6	22	28	86	10	74								0.8256										0.8256	1.33161
Nitrogen Dioxide	R15	6	23	28	87	10	74								0.8211										0.8211	1.32435
Nitrogen Dioxide	R15	6	24	28	87	10	66								0.8211										0.8211	1.32435
Nitrogen Dioxide	R15	7	1	28	84	10	66								0.8345										0.8345	1.34597
Nitrogen Dioxide	R15	7	2	28	84	10	66								0.8345										0.8345	1.34597
Nitrogen Dioxide	R15	7	3	28	86	10	66								0.8256										0.8256	1.33161
Nitrogen Dioxide	R15	7	4	28	86	10	66								0.8256										0.8256	1.33161
Nitrogen Dioxide	R15	7	5	28	88	10	66								0.8166										0.8166	1.3171
Nitrogen Dioxide	R15	7	6	27	88	10	66								0.8399										0.8399	1.35468
Nitrogen Dioxide	R15	7	7	28	86	10	66								0.8256										0.8256	1.33161
Nitrogen Dioxide	R15	7	8	29	81	10	74								0.8254										0.8254	1.33129
Nitrogen Dioxide	R15	7	9	30	76	10	74								0.827										0.827	1.33387
Nitrogen Dioxide	R15	7	10	31	70	10	74								0.8358										0.8358	1.34806
Nitrogen Dioxide	R15	7	11	31	68	10	74								0.8465										0.8465	1.36532
Nitrogen Dioxide	R15	7	12	32	67	10	74								0.8304										0.8304	1.33935
Nitrogen Dioxide	R15	7	13	32	66	10	74								0.8361										0.8361	1.34855
Nitrogen Dioxide	R15	7	14	32	66	10	74								0.8361										0.8361	1.34855
Nitrogen Dioxide	R15	7	15	31	68	10	74								0.8465										0.8465	1.36532
Nitrogen Dioxide	R15	7	16	31	69	10	74								0.8412										0.8412	1.35677
Nitrogen Dioxide	R15	7	17	31	70	10	74								0.8358										0.8358	1.34806
Nitrogen Dioxide	R15	7	18	30	73	10	74								0.8421										0.8421	1.35823
Nitrogen Dioxide	R15	7	19	29	76	10	74								0.8492										0.8492	1.36968
Nitrogen Dioxide	R15	7	20	29	79	10	74								0.8349										0.8349	1.34661
Nitrogen Dioxide	R15	7	21	29	81	10	74								0.8254										0.8254	1.33129
Nitrogen Dioxide	R15	7	22	29	82	10	74								0.8207										0.8207	1.32371
Nitrogen Dioxide	R15	7	23	28	83	10	74								0.839										0.839	1.35323
Nitrogen Dioxide	R15	7	24	28	84	10	66								0.8345										0.8345	1.34597
Nitrogen Dioxide	R15	8	1	27	90	10	66								0.8315										0.8315	1.34113
Nitrogen Dioxide	R15	8	2	26	90	10	66								0.8541										0.8541	1.37758
Nitrogen Dioxide	R15	8	3	26	91	10	66								0.8501										0.8501	1.37113
Nitrogen Dioxide	R15	8	4	26	92	10	66								0.8462										0.8462	1.36484
Nitrogen Dioxide	R15	8	5	26	93	10	66								0.8422										0.8422	1.35839
Nitrogen Dioxide	R15	8	6	26	94	10	66								0.8383										0.8383	1.3521
Nitrogen Dioxide	R15	8	7	26	93	10	66								0.8422										0.8422	1.35839
Nitrogen Dioxide	R15	8	8	27	87	10	74								0.8441										0.8441	1.36145
Nitrogen Dioxide	R15	8	9	29	81	10	74								0.8254										0.8254	1.33129
Nitrogen Dioxide	R15	8	10	30	76	10	74								0.827										0.827	1.33387
Nitrogen Dioxide	R15	8	11	30	73	10	74								0.8421										0.8421	1.35823
Nitrogen Dioxide	R15	8	12	30	73	10	74								0.8421										0.8421	1.35823
Nitrogen Dioxide	R15	8	13	30	74	10	74								0.8371										0.8371	1.35016
Nitrogen Dioxide	R15	8	14	30	74	10	74								0.8371										0.8371	1.35016
Nitrogen Dioxide	R15	8	15	30	75	10	74								0.8321										0.8321	1.3421
Nitrogen Dioxide	R15	8	16	29	77	10	74								0.8444										0.8444	1.36194
Nitrogen Dioxide	R15	8	17	29	79	10	74								0.8349										0.8349	1.34661
Nitrogen Dioxide	R15	8	18	28	80	10	74								0.8524										0.8524	1.37484
Nitrogen Dioxide	R15	8	19	28	82	10	74								0.8435										0.8435	1.36048
Nitrogen Dioxide	R15	8	20	28	84	10	74								0.8345										0.8345	1.34597
Nitrogen Dioxide	R15	8	21	27	85	10	74								0.8525										0.8525	1.375
Nitrogen Dioxide	R15	8	22	27	87	10	74								0.8441										0.8441	1.36145
Nitrogen Dioxide	R15	8	23	27	88	10	74								0.8399										0.8399	1.35468
Nitrogen Dioxide	R15	8	24	27	89	10	66								0.8357										0.8357	1.3479
Nitrogen Dioxide	R15	9	1	27	89	10	66								0.8357										0.8357	1.3479

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:
(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.
(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Dioxide	R15	9	2	26	89	10	66								0.858										0.858	1.38387
Nitrogen Dioxide	R15	9	3	26	91	10	66								0.8501										0.8501	1.37113
Nitrogen Dioxide	R15	9	4	26	92	10	66								0.8462										0.8462	1.36484
Nitrogen Dioxide	R15	9	5	26	92	10	66								0.8462										0.8462	1.36484
Nitrogen Dioxide	R15	9	6	26	93	10	66								0.8422										0.8422	1.35839
Nitrogen Dioxide	R15	9	7	26	93	10	66								0.8422										0.8422	1.35839
Nitrogen Dioxide	R15	9	8	27	88	10	74								0.8399										0.8399	1.35468
Nitrogen Dioxide	R15	9	9	28	83	10	74								0.839										0.839	1.35323
Nitrogen Dioxide	R15	9	10	29	78	10	74								0.8397										0.8397	1.35435
Nitrogen Dioxide	R15	9	11	29	76	10	74								0.8492										0.8492	1.36968
Nitrogen Dioxide	R15	9	12	29	76	10	74								0.8492										0.8492	1.36968
Nitrogen Dioxide	R15	9	13	30	75	10	74								0.8321										0.8321	1.3421
Nitrogen Dioxide	R15	9	14	29	75	10	74								0.8539										0.8539	1.37726
Nitrogen Dioxide	R15	9	15	29	77	10	74								0.8444										0.8444	1.36194
Nitrogen Dioxide	R15	9	16	29	76	10	74								0.8492										0.8492	1.36968
Nitrogen Dioxide	R15	9	17	29	78	10	74								0.8397										0.8397	1.35435
Nitrogen Dioxide	R15	9	18	28	81	10	74								0.8479										0.8479	1.36758
Nitrogen Dioxide	R15	9	19	27	84	10	74								0.8567										0.8567	1.38177
Nitrogen Dioxide	R15	9	20	27	86	10	74								0.8483										0.8483	1.36823
Nitrogen Dioxide	R15	9	21	27	87	10	74								0.8441										0.8441	1.36145
Nitrogen Dioxide	R15	9	22	27	89	10	74								0.8357										0.8357	1.3479
Nitrogen Dioxide	R15	9	23	27	89	10	74								0.8357										0.8357	1.3479
Nitrogen Dioxide	R15	9	24	26	89	10	66								0.858										0.858	1.38387
Nitrogen Dioxide	R15	10	1	24	74	10	66								0.9517										0.9517	1.535
Nitrogen Dioxide	R15	10	2	23	74	10	66								0.9676										0.9676	1.56065
Nitrogen Dioxide	R15	10	3	23	74	10	66								0.9676										0.9676	1.56065
Nitrogen Dioxide	R15	10	4	23	75	10	66								0.9643										0.9643	1.55532
Nitrogen Dioxide	R15	10	5	23	74	10	66								0.9676										0.9676	1.56065
Nitrogen Dioxide	R15	10	6	23	75	10	66								0.9643										0.9643	1.55532
Nitrogen Dioxide	R15	10	7	23	75	10	66								0.9643										0.9643	1.55532
Nitrogen Dioxide	R15	10	8	23	72	10	74								0.9742										0.9742	1.57129
Nitrogen Dioxide	R15	10	9	24	69	10	74								0.9692										0.9692	1.56323
Nitrogen Dioxide	R15	10	10	25	64	10	74								0.9722										0.9722	1.56806
Nitrogen Dioxide	R15	10	11	26	61	10	74								0.9688										0.9688	1.56258
Nitrogen Dioxide	R15	10	12	27	60	10	74								0.9577										0.9577	1.54468
Nitrogen Dioxide	R15	10	13	27	59	10	74								0.9619										0.9619	1.55145
Nitrogen Dioxide	R15	10	14	27	59	10	74								0.9619										0.9619	1.55145
Nitrogen Dioxide	R15	10	15	27	60	10	74								0.9577										0.9577	1.54468
Nitrogen Dioxide	R15	10	16	27	62	10	74								0.9492										0.9492	1.53097
Nitrogen Dioxide	R15	10	17	26	65	10	74								0.953										0.953	1.5371
Nitrogen Dioxide	R15	10	18	25	67	10	74								0.961										0.961	1.55
Nitrogen Dioxide	R15	10	19	25	69	10	74								0.9536										0.9536	1.53806
Nitrogen Dioxide	R15	10	20	25	71	10	74								0.9462										0.9462	1.52613
Nitrogen Dioxide	R15	10	21	24	71	10	74								0.9622										0.9622	1.55194
Nitrogen Dioxide	R15	10	22	24	71	10	74								0.9622										0.9622	1.55194
Nitrogen Dioxide	R15	10	23	24	72	10	74								0.9587										0.9587	1.54629
Nitrogen Dioxide	R15	10	24	24	72	10	66								0.9587										0.9587	1.54629
Nitrogen Dioxide	R15	11	1	21	75	10	66								0.9939										0.9939	1.60306
Nitrogen Dioxide	R15	11	2	21	74	10	66								0.9968										0.9968	1.60774
Nitrogen Dioxide	R15	11	3	21	74	10	66								0.9968										0.9968	1.60774
Nitrogen Dioxide	R15	11	4	21	74	10	66								0.9968										0.9968	1.60774
Nitrogen Dioxide	R15	11	5	21	74	10	66								0.9968										0.9968	1.60774
Nitrogen Dioxide	R15	11	6	21	73	10	66								0.9997										0.9997	1.61242
Nitrogen Dioxide	R15	11	7	21	73	10	66								0.9997										0.9997	1.61242
Nitrogen Dioxide	R15	11	8	21	70	10	74								1.0083										1.0083	1.62629
Nitrogen Dioxide	R15	11	9	22	66	10	74								1.0072										1.0072	1.62452
Nitrogen Dioxide	R15	11	10	23	61	10	74								1.0102										1.0102	1.62935
Nitrogen Dioxide	R15	11	11	25	57	10	74								0.9982										0.9982	1.61
Nitrogen Dioxide	R15	11	12	25	56	10	74								1.0019										1.0019	1.61597
Nitrogen Dioxide	R15	11	13	25	56	10	74								1.0019										1.0019	1.61597
Nitrogen Dioxide	R15	11	14	26	56	10	74								0.9885										0.9885	1.59435
Nitrogen Dioxide	R15	11	15	26	57	10	74								0.9846										0.9846	1.58806
Nitrogen Dioxide	R15	11	16	25	58	10	74								0.9945										0.9945	1.60403
Nitrogen Dioxide	R15	11	17	24	63	10	74								0.9901										0.9901	1.59694
Nitrogen Dioxide	R15	11	18	23	66	10	74								0.9938										0.9938	1.6029
Nitrogen Dioxide	R15	11	19	23	70	10	74								0.9807										0.9807	1.58177
Nitrogen Dioxide	R15	11	20	22	70	10	74								0.9949										0.9949	1.60468
Nitrogen Dioxide	R15	11	21	22	72	10	74								0.9888										0.9888	1.59484
Nitrogen Dioxide	R15	11	22	22	74	10	74								0.9826										0.9826	1.58484
Nitrogen Dioxide	R15	11	23	22	74	10	74								0.9826										0.9826	1.58484
Nitrogen Dioxide	R15	11	24	21	74	10	66								0.9968										0.9968	1.60774
Nitrogen Dioxide	R15	12	1	16	68	10	66								1.0669										1.0669	1.72419
Nitrogen Dioxide	R15	12	2	16	69	10	66								1.0669										1.0669	1.72081
Nitrogen Dioxide	R15	12	3	16	69	10	66								1.0669										1.0669	1.72081
Nitrogen Dioxide	R15	12	4	15	70	10	66								1.0742										1.0742	1.73258
Nitrogen Dioxide	R15	12	5	15	70	10	66								1.0742										1.0742	1.73258
Nitrogen Dioxide	R15	12	6	15	70	10	66								1.0742										1.0742	1.73258
Nitrogen Dioxide	R15	12	7	15	70	10	66								1.0742										1.0742	1.73258
Nitrogen Dioxide	R15	12	8	15	69	10	74								1.0761										1.0761	1.73565
Nitrogen Dioxide	R15	12	9	16	65	10	74								1.0752										1.0752	1.73419
Nitrogen Dioxide	R15	12	10	17	62	10	74								1.0726										1.0726	1.73
Nitrogen Dioxide	R15	12	11	18	58	10	74								1.0727										1.0727	1.73016
Nitrogen Dioxide	R15	12	12	19	57	10	74								1.0658										1.0658	1.71903
Nitrogen Dioxide	R15	12	13	19	56	10	74								1.0684										1.0684	1.72323
Nitrogen Dioxide	R15	12	14	19	56	10	74								1.0684										1.0684	1.72323
Nitrogen Dioxide	R15	12	15	19	56	10	74								1.0684										1.0684	1.72323
Nitrogen Dioxide	R15	12	16	19	57	10	74								1.0658										1.0658	1.71903
Nitrogen Dioxide	R15	12	17	18	60	10	74								1.0679										1.0679	1.72242
Nitrogen Dioxide	R15	12	18	18	64	10	74								1.0584										1.0584	1.7071
Nitrogen Dioxide	R15	12	19	17	65	10	74								1.0659										1.0659	1.71919
Nitrogen Dioxide	R15	12	20	17	66	10	74								1.0637										1.0637	1.71565
Nitrogen Dioxide	R15	12	21	17	66	10	74								1.0637										1.0637	1.71565
Nitrogen Dioxide	R15	12	22	16	66	10	74								1.0731										1.0731	1.73081
Nitrogen Dioxide	R15	12	23	16	66	10	74								1.0731										1.0731	1.73081
Nitrogen Dioxide	R15	12	24	16	67	10	66								1.071										1.071	1.72742
Nitrogen Dioxide	R17	1	1	17	76	10	66								1.0415										1.0415	1.67984
Nitrogen Dioxide	R17	1	2	17	77	10	66								1.0393										1.0393	1.67629
Nitrogen Dioxide	R17	1	3	17	77	10	66								1.0393										1.0393	1.67629
Nitrogen Dioxide	R17	1	4	17	77	10	66								1.0393										1.0393	1.67629
Nitrogen Dioxide	R17	1	5	17	78	10	66								1.0371										1.0371	1.67274
Nitrogen Dioxide	R17	1	6	17	77	10	66								1.0393										1.0393	1.67629
Nitrogen Dioxide	R17	1	7	16	77	10	66								1.0503										1.0503	1.69403
Nitrogen Dioxide	R17	1	8	17	77	10	74								1.0393										1.0393	1.67629
Nitrogen Dioxide	R17	1	9	17	73	10	74								1.0482										1.0482	1.69065
Nitrogen Dioxide	R17	1	10	19	69	10	74								1.0355										1.0355	1.67016
Nitrogen Dioxide	R17	1	11	20	64	10	74								1.0372										1.0372	1.6729
Nitrogen Dioxide	R17	1	12	21	62	10	74								1.0314										1.0314	1.66355
Nitrogen Dioxide	R17	1	13	21	61	10	74								1.0343										1.0343	1.66823
Nitrogen Dioxide	R17	1	14	21	62	10	74								1.0314										1.0314	1.66355
Nitrogen Dioxide	R17	1	15	21	62	10	74								1.0314										1.0314	1.66355
Nitrogen Dioxide	R17	1	16	21	63	10	74								1.0285										1.0285	1.65887
Nitrogen Dioxide	R17	1	17	20	67	10	74								1.0291										1.0291	1.65984
Nitrogen Dioxide	R17	1	18	19	72	10	74								1.0279										1.0279	1.6579
Nitrogen Dioxide	R17	1	19	18	74	10	74								1.0348										1.0348	1.66903
Nitrogen Dioxide	R17	1	20	18	74	10	74								1.0348										1.0348	1.66903
Nitrogen Dioxide	R17	1	21	18	75	10	74								1.0324										1.0324	1.66516
Nitrogen Dioxide	R17	1	22	18	76	10	74								1.03										1.03	1.66129
Nitrogen Dioxide	R17	1	23	18	75	10	74								1.0324										1.0324	1.66516
Nitrogen Dioxide	R17	1	24	17	76	10	66								1.0415										1.0415	1.67984
Nitrogen Dioxide	R17	2	1	17	78	10	66								1.0371										1.0371	1.67274
Nitrogen Dioxide	R17	2	2	17	80	10	66								1.0327										1.0327	1.66565
Nitrogen Dioxide	R17	2	3	17	81	10	66								1.0305										1.0305	1.6621
Nitrogen Dioxide	R17	2	4	17	82	10	66								1.0282										1.0282	1.65839
Nitrogen Dioxide	R17	2	5	16	83	10	66								1.0378										1.0378	1.67387
Nitrogen Dioxide	R17	2	6	16	83	10	66								1.0378										1.0378	1.67387
Nitrogen Dioxide	R17	2	7	16	83	10	66								1.0378										1.0378	1.67387
Nitrogen Dioxide	R17	2	8	17	81	10	74								1.0305										1.0305	1.6621
Nitrogen Dioxide	R17	2	9	18	77	10	74								1.0277										1.0277	1.65758
Nitrogen Dioxide	R17	2	10	19	73	10	74								1.0254										1.0254	1.65387
Nitrogen Dioxide	R17	2	11	20	70	10	74								1.021										1.021	1.64677
Nitrogen Dioxide	R17	2	12	20	68	10	74								1.0264										1.0264	1.65548
Nitrogen Dioxide	R17	2	13	21	65	10	74								1.0227										1.0227	1.64952
Nitrogen Dioxide	R17	2	14	21	65	10	74								1.0227										1.0227	1.64952
Nitrogen Dioxide	R17	2	15	21	66	10	74								1.0199										1.0199	1.645
Nitrogen Dioxide	R17	2	16	20	68	10	74								1.0264										1.0264	1.65548
Nitrogen Dioxide	R17	2	17	20	70	10	74								1.021										1.021	1.64677
Nitrogen Dioxide	R17	2	18	19	74	10	74								1.0228										1.0228	1.64968
Nitrogen Dioxide	R17	2	19	18	76	10	74								1.03										1.03	1.66129
Nitrogen Dioxide	R17	2	20	18	78	10	74								1.0253										1.0253	1.65371
Nitrogen Dioxide	R17	2	21	18	78	10	74								1.0253										1.0253	1.65371
Nitrogen Dioxide	R17	2	22	18	78	10	74								1.0253										1.0253	1.65371
Nitrogen Dioxide	R17	2	23	18	78	10	74								1.0253										1.0253	1.65371
Nitrogen Dioxide	R17	2	24	18	78	10	66								1.0253										1.0253	1.65371
Nitrogen Dioxide	R17	3	1	21	86	10	66								0.9622										0.9622	1.55194
Nitrogen Dioxide	R17	3	2	20	87	10	66								0.9751										0.9751	1.57274
Nitrogen Dioxide	R17	3	3	20	87	10	66								0.9751										0.9751	1.57274
Nitrogen Dioxide	R17	3	4	20	87	10	66								0.9751										0.9751	1.57274
Nitrogen Dioxide	R17	3	5	20	87	10	66								0.9751										0.9751	1.57274
Nitrogen Dioxide	R17	3	6	20	87	10	66								0.9751										0.9751	1.57274

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:
(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.
(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Dioxide	R17	3	7	20	87	10	66								0.9751										0.9751	1.57274
Nitrogen Dioxide	R17	3	8	20	86	10	74								0.9778										0.9778	1.5771
Nitrogen Dioxide	R17	3	9	21	83	10	74								0.9709										0.9709	1.56597
Nitrogen Dioxide	R17	3	10	22	79	10	74								0.9672										0.9672	1.56
Nitrogen Dioxide	R17	3	11	22	78	10	74								0.9703										0.9703	1.565
Nitrogen Dioxide	R17	3	12	23	77	10	74								0.9578										0.9578	1.54484
Nitrogen Dioxide	R17	3	13	23	77	10	74								0.9578										0.9578	1.54484
Nitrogen Dioxide	R17	3	14	23	77	10	74								0.9578										0.9578	1.54484
Nitrogen Dioxide	R17	3	15	23	76	10	74								0.961										0.961	1.55
Nitrogen Dioxide	R17	3	16	23	77	10	74								0.9578										0.9578	1.54484
Nitrogen Dioxide	R17	3	17	22	79	10	74								0.9672										0.9672	1.56
Nitrogen Dioxide	R17	3	18	22	82	10	74								0.958										0.958	1.54516
Nitrogen Dioxide	R17	3	19	21	84	10	74								0.968										0.968	1.56129
Nitrogen Dioxide	R17	3	20	21	85	10	74								0.9651										0.9651	1.55661
Nitrogen Dioxide	R17	3	21	21	86	10	74								0.9622										0.9622	1.55194
Nitrogen Dioxide	R17	3	22	21	86	10	74								0.9622										0.9622	1.55194
Nitrogen Dioxide	R17	3	23	21	85	10	74								0.9651										0.9651	1.55661
Nitrogen Dioxide	R17	3	24	21	86	10	66								0.9622										0.9622	1.55194
Nitrogen Dioxide	R17	4	1	20	83	10	66								0.9859										0.9859	1.59016
Nitrogen Dioxide	R17	4	2	20	85	10	66								0.9805										0.9805	1.58145
Nitrogen Dioxide	R17	4	3	20	84	10	66								0.9832										0.9832	1.58581
Nitrogen Dioxide	R17	4	4	20	85	10	66								0.9805										0.9805	1.58145
Nitrogen Dioxide	R17	4	5	19	84	10	66								0.9975										0.9975	1.60887
Nitrogen Dioxide	R17	4	6	19	84	10	66								0.9975										0.9975	1.60887
Nitrogen Dioxide	R17	4	7	20	84	10	66								0.9832										0.9832	1.58581
Nitrogen Dioxide	R17	4	8	21	79	10	74								0.9824										0.9824	1.58452
Nitrogen Dioxide	R17	4	9	22	73	10	74								0.9857										0.9857	1.58984
Nitrogen Dioxide	R17	4	10	23	69	10	74								0.984										0.984	1.5871
Nitrogen Dioxide	R17	4	11	23	68	10	74								0.9873										0.9873	1.59242
Nitrogen Dioxide	R17	4	12	24	66	10	74								0.9797										0.9797	1.58016
Nitrogen Dioxide	R17	4	13	24	65	10	74								0.9832										0.9832	1.58581
Nitrogen Dioxide	R17	4	14	24	66	10	74								0.9797										0.9797	1.58016
Nitrogen Dioxide	R17	4	15	24	66	10	74								0.9797										0.9797	1.58016
Nitrogen Dioxide	R17	4	16	24	67	10	74								0.9762										0.9762	1.57452
Nitrogen Dioxide	R17	4	17	23	69	10	74								0.984										0.984	1.5871
Nitrogen Dioxide	R17	4	18	22	74	10	74								0.9826										0.9826	1.58484
Nitrogen Dioxide	R17	4	19	22	76	10	74								0.9765										0.9765	1.575
Nitrogen Dioxide	R17	4	20	21	79	10	74								0.9824										0.9824	1.58452
Nitrogen Dioxide	R17	4	21	21	80	10	74								0.9795										0.9795	1.57984
Nitrogen Dioxide	R17	4	22	21	81	10	74								0.9766										0.9766	1.57516
Nitrogen Dioxide	R17	4	23	21	82	10	74								0.9737										0.9737	1.57048
Nitrogen Dioxide	R17	4	24	20	82	10	66								0.9886										0.9886	1.59452
Nitrogen Dioxide	R17	5	1	26	91	10	66								0.8501										0.8501	1.37113
Nitrogen Dioxide	R17	5	2	25	92	10	66								0.8681										0.8681	1.40016
Nitrogen Dioxide	R17	5	3	25	92	10	66								0.8681										0.8681	1.40016
Nitrogen Dioxide	R17	5	4	25	91	10	66								0.8718										0.8718	1.40613
Nitrogen Dioxide	R17	5	5	25	92	10	66								0.8681										0.8681	1.40016
Nitrogen Dioxide	R17	5	6	25	93	10	66								0.8644										0.8644	1.39419
Nitrogen Dioxide	R17	5	7	26	91	10	66								0.8501										0.8501	1.37113
Nitrogen Dioxide	R17	5	8	27	85	10	74								0.8525										0.8525	1.375
Nitrogen Dioxide	R17	5	9	28	80	10	74								0.8524										0.8524	1.37484
Nitrogen Dioxide	R17	5	10	28	78	10	74								0.8613										0.8613	1.38919
Nitrogen Dioxide	R17	5	11	29	77	10	74								0.8444										0.8444	1.36194
Nitrogen Dioxide	R17	5	12	29	75	10	74								0.8539										0.8539	1.37726
Nitrogen Dioxide	R17	5	13	29	74	10	74								0.8587										0.8587	1.385
Nitrogen Dioxide	R17	5	14	29	75	10	74								0.8539										0.8539	1.37726
Nitrogen Dioxide	R17	5	15	29	75	10	74								0.8539										0.8539	1.37726
Nitrogen Dioxide	R17	5	16	29	77	10	74								0.8444										0.8444	1.36194
Nitrogen Dioxide	R17	5	17	28	78	10	74								0.8613										0.8613	1.38919
Nitrogen Dioxide	R17	5	18	28	81	10	74								0.8479										0.8479	1.36758
Nitrogen Dioxide	R17	5	19	27	84	10	74								0.8567										0.8567	1.38177
Nitrogen Dioxide	R17	5	20	27	87	10	74								0.8441										0.8441	1.36145
Nitrogen Dioxide	R17	5	21	27	88	10	74								0.8399										0.8399	1.35468
Nitrogen Dioxide	R17	5	22	26	89	10	74								0.858										0.858	1.38387
Nitrogen Dioxide	R17	5	23	26	89	10	74								0.858										0.858	1.38387
Nitrogen Dioxide	R17	5	24	26	90	10	66								0.8541										0.8541	1.37758
Nitrogen Dioxide	R17	6	1	28	88	10	66								0.8166										0.8166	1.3171
Nitrogen Dioxide	R17	6	2	27	89	10	66								0.8357										0.8357	1.3479
Nitrogen Dioxide	R17	6	3	27	89	10	66								0.8357										0.8357	1.3479
Nitrogen Dioxide	R17	6	4	27	88	10	66								0.8399										0.8399	1.35468
Nitrogen Dioxide	R17	6	5	27	89	10	66								0.8357										0.8357	1.3479
Nitrogen Dioxide	R17	6	6	27	90	10	66								0.8315										0.8315	1.34113
Nitrogen Dioxide	R17	6	7	28	87	10	66								0.8211										0.8211	1.32435
Nitrogen Dioxide	R17	6	8	29	82	10	74								0.8207										0.8207	1.32371
Nitrogen Dioxide	R17	6	9	29	79	10	74								0.8349										0.8349	1.34661
Nitrogen Dioxide	R17	6	10	30	76	10	74								0.827										0.827	1.33387
Nitrogen Dioxide	R17	6	11	30	75	10	74								0.8321										0.8321	1.3421
Nitrogen Dioxide	R17	6	12	30	74	10	74								0.8371										0.8371	1.35016
Nitrogen Dioxide	R17	6	13	31	73	10	74								0.8198										0.8198	1.32226
Nitrogen Dioxide	R17	6	14	31	72	10	74								0.8252										0.8252	1.33097
Nitrogen Dioxide	R17	6	15	30	74	10	74								0.8371										0.8371	1.35016
Nitrogen Dioxide	R17	6	16	30	74	10	74								0.8371										0.8371	1.35016
Nitrogen Dioxide	R17	6	17	30	75	10	74								0.8321										0.8321	1.3421
Nitrogen Dioxide	R17	6	18	29	79	10	74								0.8349										0.8349	1.34661
Nitrogen Dioxide	R17	6	19	29	81	10	74								0.8254										0.8254	1.33129
Nitrogen Dioxide	R17	6	20	28	83	10	74								0.839										0.839	1.35323
Nitrogen Dioxide	R17	6	21	28	85	10	74								0.83										0.83	1.33871
Nitrogen Dioxide	R17	6	22	28	86	10	74								0.8256										0.8256	1.33161
Nitrogen Dioxide	R17	6	23	28	87	10	74								0.8211										0.8211	1.32435
Nitrogen Dioxide	R17	6	24	28	87	10	66								0.8211										0.8211	1.32435
Nitrogen Dioxide	R17	7	1	28	84	10	66								0.8345										0.8345	1.34597
Nitrogen Dioxide	R17	7	2	28	84	10	66								0.8345										0.8345	1.34597
Nitrogen Dioxide	R17	7	3	28	86	10	66								0.8256										0.8256	1.33161
Nitrogen Dioxide	R17	7	4	28	86	10	66								0.8256										0.8256	1.33161
Nitrogen Dioxide	R17	7	5	28	88	10	66								0.8166										0.8166	1.3171
Nitrogen Dioxide	R17	7	6	27	88	10	66								0.8399										0.8399	1.35468
Nitrogen Dioxide	R17	7	7	28	86	10	66								0.8256										0.8256	1.33161
Nitrogen Dioxide	R17	7	8	29	81	10	74								0.8254										0.8254	1.33129
Nitrogen Dioxide	R17	7	9	30	76	10	74								0.827										0.827	1.33387
Nitrogen Dioxide	R17	7	10	31	70	10	74								0.8358										0.8358	1.34806
Nitrogen Dioxide	R17	7	11	31	68	10	74								0.8465										0.8465	1.36532
Nitrogen Dioxide	R17	7	12	32	67	10	74								0.8304										0.8304	1.33935
Nitrogen Dioxide	R17	7	13	32	66	10	74								0.8361										0.8361	1.34855
Nitrogen Dioxide	R17	7	14	32	66	10	74								0.8361										0.8361	1.34855
Nitrogen Dioxide	R17	7	15	31	68	10	74								0.8465										0.8465	1.36532
Nitrogen Dioxide	R17	7	16	31	69	10	74								0.8412										0.8412	1.35677
Nitrogen Dioxide	R17	7	17	31	70	10	74								0.8358										0.8358	1.34806
Nitrogen Dioxide	R17	7	18	30	73	10	74								0.8421										0.8421	1.35823
Nitrogen Dioxide	R17	7	19	29	76	10	74								0.8492										0.8492	1.36968
Nitrogen Dioxide	R17	7	20	29	79	10	74								0.8349										0.8349	1.34661
Nitrogen Dioxide	R17	7	21	29	81	10	74								0.8254										0.8254	1.33129
Nitrogen Dioxide	R17	7	22	29	82	10	74								0.8207										0.8207	1.32371
Nitrogen Dioxide	R17	7	23	28	83	10	74								0.839										0.839	1.35323
Nitrogen Dioxide	R17	7	24	28	84	10	66								0.8345										0.8345	1.34597
Nitrogen Dioxide	R17	8	1	27	90	10	66								0.8315										0.8315	1.34113
Nitrogen Dioxide	R17	8	2	26	90	10	66								0.8541										0.8541	1.37758
Nitrogen Dioxide	R17	8	3	26	91	10	66								0.8501										0.8501	1.37113
Nitrogen Dioxide	R17	8	4	26	92	10	66								0.8462										0.8462	1.36484
Nitrogen Dioxide	R17	8	5	26	93	10	66								0.8422										0.8422	1.35839
Nitrogen Dioxide	R17	8	6	26	94	10	66								0.8383										0.8383	1.3521
Nitrogen Dioxide	R17	8	7	26	93	10	66								0.8422										0.8422	1.35839
Nitrogen Dioxide	R17	8	8	27	87	10	74								0.8441										0.8441	1.36145
Nitrogen Dioxide	R17	8	9	29	81	10	74								0.8254										0.8254	1.33129
Nitrogen Dioxide	R17	8	10	30	76	10	74								0.827										0.827	1.33387
Nitrogen Dioxide	R17	8	11	30	73	10	74								0.8421										0.8421	1.35823
Nitrogen Dioxide	R17	8	12	30	73	10	74								0.8421										0.8421	1.35823
Nitrogen Dioxide	R17	8	13	30	74	10	74								0.8371										0.8371	1.35016
Nitrogen Dioxide	R17	8	14	30	74	10	74								0.8371										0.8371	1.35016
Nitrogen Dioxide	R17	8	15	30	75	10	74								0.8321										0.8321	1.3421
Nitrogen Dioxide	R17	8	16	29	77	10	74								0.8444										0.8444	1.36194
Nitrogen Dioxide	R17	8	17	29	79	10	74								0.8349										0.8349	1.34661
Nitrogen Dioxide	R17	8	18	28	80	10	74								0.8524										0.8524	1.37484
Nitrogen Dioxide	R17	8	19	28	82	10	74								0.8435										0.8435	1.36048
Nitrogen Dioxide	R17	8	20	28	84	10	74								0.8345										0.8345	1.34597
Nitrogen Dioxide	R17	8	21	27	85	10	74								0.8525										0.8525	1.375
Nitrogen Dioxide	R17	8	22	27	87	10	74								0.8441										0.8441	1.36145
Nitrogen Dioxide	R17	8	23	27	88	10	74								0.8399										0.8399	1.35468
Nitrogen Dioxide	R17	8	24	27	89	10	66								0.8357										0.8357	1.3479
Nitrogen Dioxide	R17	9	1	27	89	10	66								0.8357										0.8357	1.3479
Nitrogen Dioxide	R17	9	2	26	89	10	66								0.858										0.858	1.38387
Nitrogen Dioxide	R17	9	3	26	91	10	66								0.8501										0.8501	1.37113
Nitrogen Dioxide	R17	9	4	26	92	10	66								0.8462										0.8462	1.36484
Nitrogen Dioxide	R17	9	5	26	92	10	66								0.8462										0.8462	1.36484
Nitrogen Dioxide	R17	9	6	26	93	10	66								0.8422										0.8422	1.35839
Nitrogen Dioxide	R17	9	7	26	93	10	66								0.8422										0.8422	1.35839
Nitrogen Dioxide	R17	9	8	27	88	10	74								0.8399										0.8399	1.35468
Nitrogen Dioxide	R17	9	9	28	83	10	74								0.839										0.839	1.35323
Nitrogen Dioxide	R17	9	10	29	78	10	74								0.8397										0.8397	1.35435
Nitrogen Dioxide	R17	9	11	29	76	10	74								0.8492										0.8492	1.36968

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:
(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.
(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Dioxide	R17	9	12	29	76	10	74								0.8492										0.8492	1.36968
Nitrogen Dioxide	R17	9	13	30	75	10	74								0.8321										0.8321	1.3421
Nitrogen Dioxide	R17	9	14	29	75	10	74								0.8539										0.8539	1.37726
Nitrogen Dioxide	R17	9	15	29	77	10	74								0.8444										0.8444	1.36194
Nitrogen Dioxide	R17	9	16	29	76	10	74								0.8492										0.8492	1.36968
Nitrogen Dioxide	R17	9	17	29	78	10	74								0.8397										0.8397	1.35435
Nitrogen Dioxide	R17	9	18	28	81	10	74								0.8479										0.8479	1.36758
Nitrogen Dioxide	R17	9	19	27	84	10	74								0.8567										0.8567	1.38177
Nitrogen Dioxide	R17	9	20	27	86	10	74								0.8483										0.8483	1.36823
Nitrogen Dioxide	R17	9	21	27	87	10	74								0.8441										0.8441	1.36145
Nitrogen Dioxide	R17	9	22	27	89	10	74								0.8357										0.8357	1.3479
Nitrogen Dioxide	R17	9	23	27	89	10	74								0.8357										0.8357	1.3479
Nitrogen Dioxide	R17	9	24	26	89	10	66								0.858										0.858	1.38387
Nitrogen Dioxide	R17	10	1	24	74	10	66								0.9517										0.9517	1.535
Nitrogen Dioxide	R17	10	2	23	74	10	66								0.9676										0.9676	1.56065
Nitrogen Dioxide	R17	10	3	23	74	10	66								0.9676										0.9676	1.56065
Nitrogen Dioxide	R17	10	4	23	75	10	66								0.9643										0.9643	1.55532
Nitrogen Dioxide	R17	10	5	23	74	10	66								0.9676										0.9676	1.56065
Nitrogen Dioxide	R17	10	6	23	75	10	66								0.9643										0.9643	1.55532
Nitrogen Dioxide	R17	10	7	23	75	10	66								0.9643										0.9643	1.55532
Nitrogen Dioxide	R17	10	8	23	72	10	74								0.9742										0.9742	1.57129
Nitrogen Dioxide	R17	10	9	24	69	10	74								0.9692										0.9692	1.56323
Nitrogen Dioxide	R17	10	10	25	64	10	74								0.9722										0.9722	1.56806
Nitrogen Dioxide	R17	10	11	26	61	10	74								0.9688										0.9688	1.56258
Nitrogen Dioxide	R17	10	12	27	60	10	74								0.9577										0.9577	1.54468
Nitrogen Dioxide	R17	10	13	27	59	10	74								0.9619										0.9619	1.55145
Nitrogen Dioxide	R17	10	14	27	59	10	74								0.9619										0.9619	1.55145
Nitrogen Dioxide	R17	10	15	27	60	10	74								0.9577										0.9577	1.54468
Nitrogen Dioxide	R17	10	16	27	62	10	74								0.9492										0.9492	1.53097
Nitrogen Dioxide	R17	10	17	26	65	10	74								0.953										0.953	1.5371
Nitrogen Dioxide	R17	10	18	25	67	10	74								0.961										0.961	1.55
Nitrogen Dioxide	R17	10	19	25	69	10	74								0.9536										0.9536	1.53806
Nitrogen Dioxide	R17	10	20	25	71	10	74								0.9462										0.9462	1.52613
Nitrogen Dioxide	R17	10	21	24	71	10	74								0.9622										0.9622	1.55194
Nitrogen Dioxide	R17	10	22	24	71	10	74								0.9622										0.9622	1.55194
Nitrogen Dioxide	R17	10	23	24	72	10	74								0.9587										0.9587	1.54629
Nitrogen Dioxide	R17	10	24	24	72	10	66								0.9587										0.9587	1.54629
Nitrogen Dioxide	R17	11	1	21	75	10	66								0.9939										0.9939	1.60306
Nitrogen Dioxide	R17	11	2	21	74	10	66								0.9968										0.9968	1.60774
Nitrogen Dioxide	R17	11	3	21	74	10	66								0.9968										0.9968	1.60774
Nitrogen Dioxide	R17	11	4	21	74	10	66								0.9968										0.9968	1.60774
Nitrogen Dioxide	R17	11	5	21	74	10	66								0.9968										0.9968	1.60774
Nitrogen Dioxide	R17	11	6	21	73	10	66								0.9997										0.9997	1.61242
Nitrogen Dioxide	R17	11	7	21	73	10	66								0.9997										0.9997	1.61242
Nitrogen Dioxide	R17	11	8	21	70	10	74								1.0083										1.0083	1.62629
Nitrogen Dioxide	R17	11	9	22	66	10	74								1.0072										1.0072	1.62452
Nitrogen Dioxide	R17	11	10	23	61	10	74								1.0102										1.0102	1.62935
Nitrogen Dioxide	R17	11	11	25	57	10	74								0.9982										0.9982	1.61
Nitrogen Dioxide	R17	11	12	25	56	10	74								1.0019										1.0019	1.61597
Nitrogen Dioxide	R17	11	13	25	56	10	74								1.0019										1.0019	1.61597
Nitrogen Dioxide	R17	11	14	26	56	10	74								0.9885										0.9885	1.59435
Nitrogen Dioxide	R17	11	15	26	57	10	74								0.9846										0.9846	1.58806
Nitrogen Dioxide	R17	11	16	25	58	10	74								0.9945										0.9945	1.60403
Nitrogen Dioxide	R17	11	17	24	63	10	74								0.9901										0.9901	1.59694
Nitrogen Dioxide	R17	11	18	23	66	10	74								0.9938										0.9938	1.6029
Nitrogen Dioxide	R17	11	19	23	70	10	74								0.9807										0.9807	1.58177
Nitrogen Dioxide	R17	11	20	22	70	10	74								0.9949										0.9949	1.60468
Nitrogen Dioxide	R17	11	21	22	72	10	74								0.9888										0.9888	1.59484
Nitrogen Dioxide	R17	11	22	22	74	10	74								0.9826										0.9826	1.58484
Nitrogen Dioxide	R17	11	23	22	74	10	74								0.9826										0.9826	1.58484
Nitrogen Dioxide	R17	11	24	21	74	10	66								0.9968										0.9968	1.60774
Nitrogen Dioxide	R17	12	1	16	68	10	66								1.069										1.069	1.72419
Nitrogen Dioxide	R17	12	2	16	69	10	66								1.0669										1.0669	1.72081
Nitrogen Dioxide	R17	12	3	16	69	10	66								1.0669										1.0669	1.72081
Nitrogen Dioxide	R17	12	4	15	70	10	66								1.0742										1.0742	1.73258
Nitrogen Dioxide	R17	12	5	15	70	10	66								1.0742										1.0742	1.73258
Nitrogen Dioxide	R17	12	6	15	70	10	66								1.0742										1.0742	1.73258
Nitrogen Dioxide	R17	12	7	15	70	10	66								1.0742										1.0742	1.73258
Nitrogen Dioxide	R17	12	8	15	69	10	74								1.0761										1.0761	1.73565
Nitrogen Dioxide	R17	12	9	16	65	10	74								1.0752										1.0752	1.73419
Nitrogen Dioxide	R17	12	10	17	62	10	74								1.0726										1.0726	1.73
Nitrogen Dioxide	R17	12	11	18	58	10	74								1.0727										1.0727	1.73016
Nitrogen Dioxide	R17	12	12	19	57	10	74								1.0658										1.0658	1.71903
Nitrogen Dioxide	R17	12	13	19	56	10	74								1.0684										1.0684	1.72323
Nitrogen Dioxide	R17	12	14	19	56	10	74								1.0684										1.0684	1.72323
Nitrogen Dioxide	R17	12	15	19	56	10	74								1.0684										1.0684	1.72323
Nitrogen Dioxide	R17	12	16	19	57	10	74								1.0658										1.0658	1.71903
Nitrogen Dioxide	R17	12	17	18	60	10	74								1.0679										1.0679	1.72242
Nitrogen Dioxide	R17	12	18	18	64	10	74								1.0584										1.0584	1.7071
Nitrogen Dioxide	R17	12	19	17	65	10	74								1.0659										1.0659	1.71919
Nitrogen Dioxide	R17	12	20	17	66	10	74								1.0637										1.0637	1.71565
Nitrogen Dioxide	R17	12	21	17	66	10	74								1.0637										1.0637	1.71565
Nitrogen Dioxide	R17	12	22	16	66	10	74								1.0731										1.0731	1.73081
Nitrogen Dioxide	R17	12	23	16	66	10	74								1.0731										1.0731	1.73081
Nitrogen Dioxide	R17	12	24	16	67	10	66								1.071										1.071	1.72742
Nitrogen Dioxide	R19	1	1	17	76	10	0								1.0415										0	0
Nitrogen Dioxide	R19	1	2	17	77	10	0								1.0393										0	0
Nitrogen Dioxide	R19	1	3	17	77	10	0								1.0393										0	0
Nitrogen Dioxide	R19	1	4	17	77	10	0								1.0393										0	0
Nitrogen Dioxide	R19	1	5	17	78	10	0								1.0371										0	0
Nitrogen Dioxide	R19	1	6	17	77	10	0								1.0393										0	0
Nitrogen Dioxide	R19	1	7	16	77	10	0								1.0503										0	0
Nitrogen Dioxide	R19	1	8	17	77	10	166								1.0393										1.0393	1.67629
Nitrogen Dioxide	R19	1	9	17	73	10	166								1.0482										1.0482	1.69065
Nitrogen Dioxide	R19	1	10	19	69	10	166								1.0355										1.0355	1.67016
Nitrogen Dioxide	R19	1	11	20	64	10	166								1.0372										1.0372	1.6729
Nitrogen Dioxide	R19	1	12	21	62	10	166								1.0314										1.0314	1.66355
Nitrogen Dioxide	R19	1	13	21	61	10	166								1.0343										1.0343	1.66823
Nitrogen Dioxide	R19	1	14	21	62	10	166								1.0314										1.0314	1.66355
Nitrogen Dioxide	R19	1	15	21	62	10	166								1.0314										1.0314	1.66355
Nitrogen Dioxide	R19	1	16	21	63	10	166								1.0285										1.0285	1.65887
Nitrogen Dioxide	R19	1	17	20	67	10	166								1.0291										1.0291	1.65984
Nitrogen Dioxide	R19	1	18	19	72	10	166								1.0279										1.0279	1.6579
Nitrogen Dioxide	R19	1	19	18	74	10	166								1.0348										1.0348	1.66903
Nitrogen Dioxide	R19	1	20	18	74	10	166								1.0348										1.0348	1.66903
Nitrogen Dioxide	R19	1	21	18	75	10	166								1.0324										1.0324	1.66516
Nitrogen Dioxide	R19	1	22	18	76	10	166								1.03										1.03	1.66129
Nitrogen Dioxide	R19	1	23	18	75	10	166								1.0324										1.0324	1.66516
Nitrogen Dioxide	R19	1	24	17	76	10	0								1.0415										0	0
Nitrogen Dioxide	R19	2	1	17	78	10	0								1.0371										0	0
Nitrogen Dioxide	R19	2	2	17	80	10	0								1.0327										0	0
Nitrogen Dioxide	R19	2	3	17	81	10	0								1.0305										0	0
Nitrogen Dioxide	R19	2	4	17	82	10	0								1.0282										0	0
Nitrogen Dioxide	R19	2	5	16	83	10	0								1.0378										0	0
Nitrogen Dioxide	R19	2	6	16	83	10	0								1.0378										0	0
Nitrogen Dioxide	R19	2	7	16	83	10	0								1.0378										0	0
Nitrogen Dioxide	R19	2	8	17	81	10	166								1.0305										1.0305	1.6621
Nitrogen Dioxide	R19	2	9	18	77	10	166								1.0277										1.0277	1.65758
Nitrogen Dioxide	R19	2	10	19	73	10	166								1.0254										1.0254	1.65387
Nitrogen Dioxide	R19	2	11	20	70	10	166								1.021										1.021	1.64677
Nitrogen Dioxide	R19	2	12	20	68	10	166								1.0264										1.0264	1.65548
Nitrogen Dioxide	R19	2	13	21	65	10	166								1.0227										1.0227	1.64952
Nitrogen Dioxide	R19	2	14	21	65	10	166								1.0227										1.0227	1.64952
Nitrogen Dioxide	R19	2	15	21	66	10	166								1.0199										1.0199	1.645
Nitrogen Dioxide	R19	2	16	20	68	10	166								1.0264										1.0264	1.65548
Nitrogen Dioxide	R19	2	17	20	70	10	166								1.021										1.021	1.64677
Nitrogen Dioxide	R19	2	18	19	74	10	166								1.0228										1.0228	1.64968
Nitrogen Dioxide	R19	2	19	18	76	10	166								1.03										1.03	1.66129
Nitrogen Dioxide	R19	2	20	18	78	10	166								1.0253										1.0253	1.65371
Nitrogen Dioxide	R19	2	21	18	78	10	166								1.0253										1.0253	1.65371
Nitrogen Dioxide	R19	2	22	18	78	10	166								1.0253										1.0253	1.65371
Nitrogen Dioxide	R19	2	23	18	78	10	166								1.0253										1.0253	1.65371
Nitrogen Dioxide	R19	2	24	18	78	10	0								1.0253										0	0
Nitrogen Dioxide	R19	3	1	21	86	10	0								0.9622										0	0
Nitrogen Dioxide	R19	3	2	20	87	10	0								0.9751										0	0
Nitrogen Dioxide	R19	3	3	20	87	10	0								0.9751										0	0
Nitrogen Dioxide	R19	3	4	20	87	10	0								0.9751										0	0
Nitrogen Dioxide	R19	3	5	20	87	10	0								0.9751										0	0
Nitrogen Dioxide	R19	3	6	20	87	10	0								0.9751										0	0
Nitrogen Dioxide	R19	3	7	20	87	10	0								0.9751										0	0
Nitrogen Dioxide	R19	3	8	20	86	10	166								0.9778										0.9778	1.5771
Nitrogen Dioxide	R19	3	9	21	83	10	166								0.9709										0.9709	1.56597
Nitrogen Dioxide	R19	3	10	22	79	10	166								0.9672										0.9672	1.56
Nitrogen Dioxide	R19	3	11	22	78	10	166								0.9703										0.9703	1.565
Nitrogen Dioxide	R19	3	12	23	77	10	166								0.9578										0.9578	1.54484
Nitrogen Dioxide	R19	3	13	23	77	10	166								0.9578										0.9578	1.54484
Nitrogen Dioxide	R19	3	14	23	77	10	166								0.9578										0.9578	1.54484
Nitrogen Dioxide	R19	3	15	23	76	10	166								0.961										0.961	1.55
Nitrogen Dioxide	R19	3	16	23	77	10	166								0.9578										0.9578	1.54484

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:
(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.
(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Dioxide	R19	3	17	22	79	10	166								0.9672										0.9672	1.56
Nitrogen Dioxide	R19	3	18	22	82	10	166								0.958										0.958	1.54516
Nitrogen Dioxide	R19	3	19	21	84	10	166								0.968										0.968	1.56129
Nitrogen Dioxide	R19	3	20	21	85	10	166								0.9651										0.9651	1.55661
Nitrogen Dioxide	R19	3	21	21	86	10	166								0.9622										0.9622	1.55194
Nitrogen Dioxide	R19	3	22	21	86	10	166								0.9622										0.9622	1.55194
Nitrogen Dioxide	R19	3	23	21	85	10	166								0.9651										0.9651	1.55661
Nitrogen Dioxide	R19	3	24	21	86	10	0								0.9622										0	0
Nitrogen Dioxide	R19	4	1	20	83	10	0								0.9859										0	0
Nitrogen Dioxide	R19	4	2	20	85	10	0								0.9805										0	0
Nitrogen Dioxide	R19	4	3	20	84	10	0								0.9832										0	0
Nitrogen Dioxide	R19	4	4	20	85	10	0								0.9805										0	0
Nitrogen Dioxide	R19	4	5	19	84	10	0								0.9975										0	0
Nitrogen Dioxide	R19	4	6	19	84	10	0								0.9975										0	0
Nitrogen Dioxide	R19	4	7	20	84	10	0								0.9832										0	0
Nitrogen Dioxide	R19	4	8	21	79	10	166								0.9824										0.9824	1.58452
Nitrogen Dioxide	R19	4	9	22	73	10	166								0.9857										0.9857	1.58984
Nitrogen Dioxide	R19	4	10	23	69	10	166								0.984										0.984	1.5871
Nitrogen Dioxide	R19	4	11	23	68	10	166								0.9873										0.9873	1.59242
Nitrogen Dioxide	R19	4	12	24	66	10	166								0.9797										0.9797	1.58016
Nitrogen Dioxide	R19	4	13	24	65	10	166								0.9832										0.9832	1.58581
Nitrogen Dioxide	R19	4	14	24	66	10	166								0.9797										0.9797	1.58016
Nitrogen Dioxide	R19	4	15	24	66	10	166								0.9797										0.9797	1.58016
Nitrogen Dioxide	R19	4	16	24	67	10	166								0.9762										0.9762	1.57452
Nitrogen Dioxide	R19	4	17	23	69	10	166								0.984										0.984	1.5871
Nitrogen Dioxide	R19	4	18	22	74	10	166								0.9826										0.9826	1.58484
Nitrogen Dioxide	R19	4	19	22	76	10	166								0.9765										0.9765	1.575
Nitrogen Dioxide	R19	4	20	21	79	10	166								0.9824										0.9824	1.58452
Nitrogen Dioxide	R19	4	21	21	80	10	166								0.9795										0.9795	1.57984
Nitrogen Dioxide	R19	4	22	21	81	10	166								0.9766										0.9766	1.57516
Nitrogen Dioxide	R19	4	23	21	82	10	166								0.9732										0.9732	1.57048
Nitrogen Dioxide	R19	4	24	20	82	10	0								0.9886										0	0
Nitrogen Dioxide	R19	5	1	26	91	10	0								0.8501										0	0
Nitrogen Dioxide	R19	5	2	25	92	10	0								0.8681										0	0
Nitrogen Dioxide	R19	5	3	25	92	10	0								0.8681										0	0
Nitrogen Dioxide	R19	5	4	25	91	10	0								0.8718										0	0
Nitrogen Dioxide	R19	5	5	25	92	10	0								0.8681										0	0
Nitrogen Dioxide	R19	5	6	25	93	10	0								0.8644										0	0
Nitrogen Dioxide	R19	5	7	26	91	10	0								0.8501										0	0
Nitrogen Dioxide	R19	5	8	27	85	10	166								0.8525										0.8525	1.375
Nitrogen Dioxide	R19	5	9	28	80	10	166								0.8524										0.8524	1.37484
Nitrogen Dioxide	R19	5	10	28	78	10	166								0.8613										0.8613	1.38919
Nitrogen Dioxide	R19	5	11	29	77	10	166								0.8444										0.8444	1.36194
Nitrogen Dioxide	R19	5	12	29	75	10	166								0.8539										0.8539	1.37726
Nitrogen Dioxide	R19	5	13	29	74	10	166								0.8587										0.8587	1.385
Nitrogen Dioxide	R19	5	14	29	75	10	166								0.8539										0.8539	1.37726
Nitrogen Dioxide	R19	5	15	29	75	10	166								0.8539										0.8539	1.37726
Nitrogen Dioxide	R19	5	16	29	77	10	166								0.8444										0.8444	1.36194
Nitrogen Dioxide	R19	5	17	28	78	10	166								0.8613										0.8613	1.38919
Nitrogen Dioxide	R19	5	18	28	81	10	166								0.8479										0.8479	1.36758
Nitrogen Dioxide	R19	5	19	27	84	10	166								0.8567										0.8567	1.38177
Nitrogen Dioxide	R19	5	20	27	87	10	166								0.8441										0.8441	1.36145
Nitrogen Dioxide	R19	5	21	27	88	10	166								0.8399										0.8399	1.35468
Nitrogen Dioxide	R19	5	22	26	89	10	166								0.858										0.858	1.38387
Nitrogen Dioxide	R19	5	23	26	89	10	166								0.858										0.858	1.38387
Nitrogen Dioxide	R19	5	24	26	90	10	0								0.8541										0	0
Nitrogen Dioxide	R19	6	1	28	88	10	0								0.8166										0	0
Nitrogen Dioxide	R19	6	2	27	89	10	0								0.8357										0	0
Nitrogen Dioxide	R19	6	3	27	89	10	0								0.8357										0	0
Nitrogen Dioxide	R19	6	4	27	88	10	0								0.8399										0	0
Nitrogen Dioxide	R19	6	5	27	89	10	0								0.8357										0	0
Nitrogen Dioxide	R19	6	6	27	90	10	0								0.8315										0	0
Nitrogen Dioxide	R19	6	7	28	87	10	0								0.8211										0	0
Nitrogen Dioxide	R19	6	8	29	82	10	166								0.8207										0.8207	1.32371
Nitrogen Dioxide	R19	6	9	29	79	10	166								0.8349										0.8349	1.34661
Nitrogen Dioxide	R19	6	10	30	76	10	166								0.827										0.827	1.33387
Nitrogen Dioxide	R19	6	11	30	75	10	166								0.8321										0.8321	1.3421
Nitrogen Dioxide	R19	6	12	30	74	10	166								0.8371										0.8371	1.35016
Nitrogen Dioxide	R19	6	13	31	73	10	166								0.8198										0.8198	1.32226
Nitrogen Dioxide	R19	6	14	31	72	10	166								0.8252										0.8252	1.33097
Nitrogen Dioxide	R19	6	15	30	74	10	166								0.8371										0.8371	1.35016
Nitrogen Dioxide	R19	6	16	30	74	10	166								0.8371										0.8371	1.35016
Nitrogen Dioxide	R19	6	17	30	75	10	166								0.8321										0.8321	1.3421
Nitrogen Dioxide	R19	6	18	29	79	10	166								0.8349										0.8349	1.34661
Nitrogen Dioxide	R19	6	19	29	81	10	166								0.8254										0.8254	1.33129
Nitrogen Dioxide	R19	6	20	28	83	10	166								0.839										0.839	1.35323
Nitrogen Dioxide	R19	6	21	28	85	10	166								0.83										0.83	1.33871
Nitrogen Dioxide	R19	6	22	28	86	10	166								0.8256										0.8256	1.33161
Nitrogen Dioxide	R19	6	23	28	87	10	166								0.8211										0.8211	1.32435
Nitrogen Dioxide	R19	6	24	28	87	10	0								0.8211										0	0
Nitrogen Dioxide	R19	7	1	28	84	10	0								0.8345										0	0
Nitrogen Dioxide	R19	7	2	28	84	10	0								0.8345										0	0
Nitrogen Dioxide	R19	7	3	28	86	10	0								0.8256										0	0
Nitrogen Dioxide	R19	7	4	28	86	10	0								0.8256										0	0
Nitrogen Dioxide	R19	7	5	28	88	10	0								0.8166										0	0
Nitrogen Dioxide	R19	7	6	27	88	10	0								0.8399										0	0
Nitrogen Dioxide	R19	7	7	28	86	10	0								0.8256										0	0
Nitrogen Dioxide	R19	7	8	29	81	10	166								0.8254										0.8254	1.33129
Nitrogen Dioxide	R19	7	9	30	76	10	166								0.827										0.827	1.33387
Nitrogen Dioxide	R19	7	10	31	70	10	166								0.8358										0.8358	1.34806
Nitrogen Dioxide	R19	7	11	31	68	10	166								0.8465										0.8465	1.36532
Nitrogen Dioxide	R19	7	12	32	67	10	166								0.8304										0.8304	1.33935
Nitrogen Dioxide	R19	7	13	32	66	10	166								0.8361										0.8361	1.34855
Nitrogen Dioxide	R19	7	14	32	66	10	166								0.8361										0.8361	1.34855
Nitrogen Dioxide	R19	7	15	31	68	10	166								0.8465										0.8465	1.36532
Nitrogen Dioxide	R19	7	16	31	69	10	166								0.8412										0.8412	1.35677
Nitrogen Dioxide	R19	7	17	31	70	10	166								0.8358										0.8358	1.34806
Nitrogen Dioxide	R19	7	18	30	73	10	166								0.8421										0.8421	1.35823
Nitrogen Dioxide	R19	7	19	29	76	10	166								0.8492										0.8492	1.36968
Nitrogen Dioxide	R19	7	20	29	79	10	166								0.8349										0.8349	1.34661
Nitrogen Dioxide	R19	7	21	29	81	10	166								0.8254										0.8254	1.33129
Nitrogen Dioxide	R19	7	22	29	82	10	166								0.8207										0.8207	1.32371
Nitrogen Dioxide	R19	7	23	28	83	10	166								0.839										0.839	1.35323
Nitrogen Dioxide	R19	7	24	28	84	10	0								0.8345										0	0
Nitrogen Dioxide	R19	8	1	27	90	10	0								0.8315										0	0
Nitrogen Dioxide	R19	8	2	26	90	10	0								0.8541										0	0
Nitrogen Dioxide	R19	8	3	26	91	10	0								0.8501										0	0
Nitrogen Dioxide	R19	8	4	26	92	10	0								0.8462										0	0
Nitrogen Dioxide	R19	8	5	26	93	10	0								0.8422										0	0
Nitrogen Dioxide	R19	8	6	26	94	10	0								0.8383										0	0
Nitrogen Dioxide	R19	8	7	26	93	10	0								0.8422										0	0
Nitrogen Dioxide	R19	8	8	27	87	10	166								0.8441										0.8441	1.36145
Nitrogen Dioxide	R19	8	9	29	81	10	166								0.8254										0.8254	1.33129
Nitrogen Dioxide	R19	8	10	30	76	10	166								0.827										0.827	1.33387
Nitrogen Dioxide	R19	8	11	30	73	10	166								0.8421										0.8421	1.35823
Nitrogen Dioxide	R19	8	12	30	73	10	166								0.8421										0.8421	1.35823
Nitrogen Dioxide	R19	8	13	30	74	10	166								0.8371										0.8371	1.35016
Nitrogen Dioxide	R19	8	14	30	74	10	166								0.8371										0.8371	1.35016
Nitrogen Dioxide	R19	8	15	30	75	10	166								0.8321										0.8321	1.3421
Nitrogen Dioxide	R19	8	16	29	77	10	166								0.8444										0.8444	1.36194
Nitrogen Dioxide	R19	8	17	29	79	10	166								0.8349										0.8349	1.34661
Nitrogen Dioxide	R19	8	18	28	80	10	166								0.8524										0.8524	1.37484
Nitrogen Dioxide	R19	8	19	28	82	10	166								0.8435										0.8435	1.36048
Nitrogen Dioxide	R19	8	20	28	84	10	166								0.8345										0.8345	1.34597
Nitrogen Dioxide	R19	8	21	27	85	10	166								0.8525										0.8525	1.375
Nitrogen Dioxide	R19	8	22	27	87	10	166								0.8441										0.8441	1.36145
Nitrogen Dioxide	R19	8	23	27	88	10	166								0.8399										0.8399	1.35468
Nitrogen Dioxide	R19	8	24	27	89	10	0								0.8357										0	0
Nitrogen Dioxide	R19	9	1	27	89	10	0								0.8357										0	0
Nitrogen Dioxide	R19	9	2	26	89	10	0								0.858										0	0
Nitrogen Dioxide	R19	9	3	26	91	10	0								0.8501										0	0
Nitrogen Dioxide	R19	9	4	26	92	10	0								0.8462										0	0
Nitrogen Dioxide	R19	9	5	26	92	10	0								0.8462										0	0
Nitrogen Dioxide	R19	9	6	26	93	10	0								0.8422										0	0
Nitrogen Dioxide	R19	9	7	26	93	10	0								0.8423										0	0
Nitrogen Dioxide	R19	9	8	27	88	10	166								0.8399										0.8399	1.35468
Nitrogen Dioxide	R19	9	9	28	83	10	166								0.839										0.839	1.35323
Nitrogen Dioxide	R19	9	10	29	78	10	166								0.8397										0.8397	1.35435
Nitrogen Dioxide	R19	9	11	29	76	10	166								0.8492										0.8492	1.36968
Nitrogen Dioxide	R19	9	12	29	76	10	166								0.8492										0.8492	1.36968
Nitrogen Dioxide	R19	9	13	30	75	10	166								0.8321										0.8321	1.3421
Nitrogen Dioxide	R19	9	14	29	75	10	166								0.8539										0.8539	1.37726
Nitrogen Dioxide	R19	9	15	29	77	10	166								0.8444										0.8444	1.36194
Nitrogen Dioxide	R19	9	16	29	76	10	166								0.8492										0.8492	1.36968
Nitrogen Dioxide	R19	9	17	29	78	10	166								0.8397										0.8397	1.35435
Nitrogen Dioxide	R19	9	18	28	81	10	166								0.8479										0.8479	1.36758
Nitrogen Dioxide	R19	9	19	27	84	10	166								0.8567										0.8567	1.38177
Nitrogen Dioxide	R19	9	20	27	86	10	166								0.8483										0.8483	1.36823
Nitrogen Dioxide	R19	9	21	27	87	10	166								0.8441										0.8441	1.36145

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:
(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.
(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Dioxide	R19	9	22	27	89	10	166								0.8357										0.8357	1.3479
Nitrogen Dioxide	R19	9	23	27	89	10	166								0.8357										0.8357	1.3479
Nitrogen Dioxide	R19	9	24	26	89	10	0								0.858										0	0
Nitrogen Dioxide	R19	10	1	24	74	10	0								0.9517										0	0
Nitrogen Dioxide	R19	10	2	23	74	10	0								0.9676										0	0
Nitrogen Dioxide	R19	10	3	23	74	10	0								0.9676										0	0
Nitrogen Dioxide	R19	10	4	23	75	10	0								0.9643										0	0
Nitrogen Dioxide	R19	10	5	23	74	10	0								0.9676										0	0
Nitrogen Dioxide	R19	10	6	23	75	10	0								0.9643										0	0
Nitrogen Dioxide	R19	10	7	23	75	10	0								0.9643										0	0
Nitrogen Dioxide	R19	10	8	23	72	10	166								0.9742										0.9742	1.57129
Nitrogen Dioxide	R19	10	9	24	69	10	166								0.9692										0.9692	1.56323
Nitrogen Dioxide	R19	10	10	25	64	10	166								0.9722										0.9722	1.56806
Nitrogen Dioxide	R19	10	11	26	61	10	166								0.9688										0.9688	1.56258
Nitrogen Dioxide	R19	10	12	27	60	10	166								0.9577										0.9577	1.54468
Nitrogen Dioxide	R19	10	13	27	59	10	166								0.9619										0.9619	1.55145
Nitrogen Dioxide	R19	10	14	27	59	10	166								0.9619										0.9619	1.55145
Nitrogen Dioxide	R19	10	15	27	60	10	166								0.9577										0.9577	1.54468
Nitrogen Dioxide	R19	10	16	27	62	10	166								0.9492										0.9492	1.53097
Nitrogen Dioxide	R19	10	17	26	65	10	166								0.953										0.953	1.5371
Nitrogen Dioxide	R19	10	18	25	67	10	166								0.961										0.961	1.55
Nitrogen Dioxide	R19	10	19	25	69	10	166								0.9536										0.9536	1.53806
Nitrogen Dioxide	R19	10	20	25	71	10	166								0.9462										0.9462	1.52613
Nitrogen Dioxide	R19	10	21	24	71	10	166								0.9622										0.9622	1.55194
Nitrogen Dioxide	R19	10	22	24	71	10	166								0.9622										0.9622	1.55194
Nitrogen Dioxide	R19	10	23	24	72	10	166								0.9587										0.9587	1.54629
Nitrogen Dioxide	R19	10	24	24	72	10	0								0.9587										0	0
Nitrogen Dioxide	R19	11	1	21	75	10	0								0.9939										0	0
Nitrogen Dioxide	R19	11	2	21	74	10	0								0.9968										0	0
Nitrogen Dioxide	R19	11	3	21	74	10	0								0.9968										0	0
Nitrogen Dioxide	R19	11	4	21	74	10	0								0.9968										0	0
Nitrogen Dioxide	R19	11	5	21	74	10	0								0.9968										0	0
Nitrogen Dioxide	R19	11	6	21	73	10	0								0.9997										0	0
Nitrogen Dioxide	R19	11	7	21	73	10	0								0.9997										0	0
Nitrogen Dioxide	R19	11	8	21	70	10	166								1.0083										1.0083	1.62629
Nitrogen Dioxide	R19	11	9	22	66	10	166								1.0072										1.0072	1.62452
Nitrogen Dioxide	R19	11	10	23	61	10	166								1.0102										1.0102	1.62935
Nitrogen Dioxide	R19	11	11	25	57	10	166								0.9982										0.9982	1.61
Nitrogen Dioxide	R19	11	12	25	56	10	166								1.0019										1.0019	1.61597
Nitrogen Dioxide	R19	11	13	25	56	10	166								1.0019										1.0019	1.61597
Nitrogen Dioxide	R19	11	14	26	56	10	166								0.9885										0.9885	1.59435
Nitrogen Dioxide	R19	11	15	26	57	10	166								0.9846										0.9846	1.58806
Nitrogen Dioxide	R19	11	16	25	58	10	166								0.9945										0.9945	1.60403
Nitrogen Dioxide	R19	11	17	24	63	10	166								0.9901										0.9901	1.59694
Nitrogen Dioxide	R19	11	18	23	66	10	166								0.9938										0.9938	1.6029
Nitrogen Dioxide	R19	11	19	23	70	10	166								0.9807										0.9807	1.58177
Nitrogen Dioxide	R19	11	20	22	70	10	166								0.9949										0.9949	1.60468
Nitrogen Dioxide	R19	11	21	22	72	10	166								0.9888										0.9888	1.59484
Nitrogen Dioxide	R19	11	22	23	74	10	166								0.9826										0.9826	1.58484
Nitrogen Dioxide	R19	11	23	22	74	10	166								0.9826										0.9826	1.58484
Nitrogen Dioxide	R19	11	24	21	74	10	0								0.9968										0	0
Nitrogen Dioxide	R19	12	1	16	68	10	0								1.069										0	0
Nitrogen Dioxide	R19	12	2	16	69	10	0								1.0669										0	0
Nitrogen Dioxide	R19	12	3	16	69	10	0								1.0669										0	0
Nitrogen Dioxide	R19	12	4	15	70	10	0								1.0742										0	0
Nitrogen Dioxide	R19	12	5	15	70	10	0								1.0742										0	0
Nitrogen Dioxide	R19	12	6	15	70	10	0								1.0742										0	0
Nitrogen Dioxide	R19	12	7	15	70	10	0								1.0742										0	0
Nitrogen Dioxide	R19	12	8	15	69	10	166								1.0761										1.0761	1.73565
Nitrogen Dioxide	R19	12	9	16	65	10	166								1.0752										1.0752	1.73419
Nitrogen Dioxide	R19	12	10	17	62	10	166								1.0726										1.0726	1.73
Nitrogen Dioxide	R19	12	11	18	58	10	166								1.0727										1.0727	1.73016
Nitrogen Dioxide	R19	12	12	19	57	10	166								1.0658										1.0658	1.71903
Nitrogen Dioxide	R19	12	13	19	56	10	166								1.0684										1.0684	1.72323
Nitrogen Dioxide	R19	12	14	19	56	10	166								1.0684										1.0684	1.72323
Nitrogen Dioxide	R19	12	15	19	56	10	166								1.0684										1.0684	1.72323
Nitrogen Dioxide	R19	12	16	19	57	10	166								1.0658										1.0658	1.71903
Nitrogen Dioxide	R19	12	17	18	60	10	166								1.0679										1.0679	1.72242
Nitrogen Dioxide	R19	12	18	18	64	10	166								1.0584										1.0584	1.7071
Nitrogen Dioxide	R19	12	19	17	65	10	166								1.0659										1.0659	1.71919
Nitrogen Dioxide	R19	12	20	17	66	10	166								1.0637										1.0637	1.71565
Nitrogen Dioxide	R19	12	21	17	66	10	166								1.0637										1.0637	1.71565
Nitrogen Dioxide	R19	12	22	16	66	10	166								1.0731										1.0731	1.73081
Nitrogen Dioxide	R19	12	23	16	66	10	166								1.0731										1.0731	1.73081
Nitrogen Dioxide	R19	12	24	16	67	10	0								1.071										0	0
Nitrogen Dioxide	R20	1	1	17	76	10	0								1.0415										0	0
Nitrogen Dioxide	R20	1	2	17	77	10	0								1.0393										0	0
Nitrogen Dioxide	R20	1	3	17	77	10	0								1.0393										0	0
Nitrogen Dioxide	R20	1	4	17	77	10	0								1.0393										0	0
Nitrogen Dioxide	R20	1	5	17	78	10	0								1.0371										0	0
Nitrogen Dioxide	R20	1	6	17	77	10	0								1.0393										0	0
Nitrogen Dioxide	R20	1	7	16	77	10	0								1.0503										0	0
Nitrogen Dioxide	R20	1	8	17	77	10	8								1.0393										1.0393	1.67629
Nitrogen Dioxide	R20	1	9	17	73	10	8								1.0482										1.0482	1.69065
Nitrogen Dioxide	R20	1	10	19	69	10	8								1.0355										1.0355	1.67016
Nitrogen Dioxide	R20	1	11	20	64	10	8								1.0372										1.0372	1.6729
Nitrogen Dioxide	R20	1	12	21	62	10	8								1.0314										1.0314	1.66355
Nitrogen Dioxide	R20	1	13	21	61	10	8								1.0343										1.0343	1.66823
Nitrogen Dioxide	R20	1	14	21	62	10	8								1.0314										1.0314	1.66355
Nitrogen Dioxide	R20	1	15	21	62	10	8								1.0314										1.0314	1.66355
Nitrogen Dioxide	R20	1	16	21	63	10	8								1.0285										1.0285	1.65887
Nitrogen Dioxide	R20	1	17	20	67	10	8								1.0291										1.0291	1.65984
Nitrogen Dioxide	R20	1	18	19	72	10	8								1.0279										1.0279	1.6579
Nitrogen Dioxide	R20	1	19	18	74	10	8								1.0348										1.0348	1.66903
Nitrogen Dioxide	R20	1	20	18	74	10	8								1.0348										1.0348	1.66903
Nitrogen Dioxide	R20	1	21	18	75	10	8								1.0324										1.0324	1.66516
Nitrogen Dioxide	R20	1	22	18	76	10	8								1.03										1.03	1.66129
Nitrogen Dioxide	R20	1	23	18	75	10	8								1.0324										1.0324	1.66516
Nitrogen Dioxide	R20	1	24	17	76	10	0								1.0415										0	0
Nitrogen Dioxide	R20	2	1	17	78	10	0								1.0371										0	0
Nitrogen Dioxide	R20	2	2	17	80	10	0								1.0327										0	0
Nitrogen Dioxide	R20	2	3	17	81	10	0								1.0305										0	0
Nitrogen Dioxide	R20	2	4	17	82	10	0								1.0282										0	0
Nitrogen Dioxide	R20	2	5	16	83	10	0								1.0378										0	0
Nitrogen Dioxide	R20	2	6	16	83	10	0								1.0378										0	0
Nitrogen Dioxide	R20	2	7	16	83	10	0								1.0378										0	0
Nitrogen Dioxide	R20	2	8	17	81	10	8								1.0305										1.0305	1.6621
Nitrogen Dioxide	R20	2	9	18	77	10	8								1.0277										1.0277	1.65758
Nitrogen Dioxide	R20	2	10	19	73	10	8								1.0254										1.0254	1.65387
Nitrogen Dioxide	R20	2	11	20	70	10	8								1.021										1.021	1.64677
Nitrogen Dioxide	R20	2	12	20	68	10	8								1.0264										1.0264	1.65548
Nitrogen Dioxide	R20	2	13	21	65	10	8								1.0227										1.0227	1.64952
Nitrogen Dioxide	R20	2	14	21	65	10	8								1.0227										1.0227	1.64952
Nitrogen Dioxide	R20	2	15	21	66	10	8								1.0199										1.0199	1.645
Nitrogen Dioxide	R20	2	16	20	68	10	8								1.0264										1.0264	1.65548
Nitrogen Dioxide	R20	2	17	20	70	10	8								1.021										1.021	1.64677
Nitrogen Dioxide	R20	2	18	19	74	10	8								1.0228										1.0228	1.64968
Nitrogen Dioxide	R20	2	19	18	76	10	8								1.03										1.03	1.66129
Nitrogen Dioxide	R20	2	20	18	78	10	8								1.0253										1.0253	1.65371
Nitrogen Dioxide	R20	2	21	18	78	10	8								1.0253										1.0253	1.65371
Nitrogen Dioxide	R20	2	22	18	78	10	8								1.0253										1.0253	1.65371
Nitrogen Dioxide	R20	2	23	18	78	10	8								1.0253										1.0253	1.65371
Nitrogen Dioxide	R20	2	24	18	78	10	0								1.0253										0	0
Nitrogen Dioxide	R20	3	1	21	86	10	0								0.9622										0	0
Nitrogen Dioxide	R20	3	2	20	87	10	0								0.9751										0	0
Nitrogen Dioxide	R20	3	3	20	87	10	0								0.9751										0	0
Nitrogen Dioxide	R20	3	4	20	87	10	0								0.9751										0	0
Nitrogen Dioxide	R20	3	5	20	87	10	0								0.9751										0	0
Nitrogen Dioxide	R20	3	6	20	87	10	0								0.9751										0	0
Nitrogen Dioxide	R20	3	7	20	87	10	0								0.9751										0	0
Nitrogen Dioxide	R20	3	8	20	86	10	8								0.9778										0.9778	1.5771
Nitrogen Dioxide	R20	3	9	21	83	10	8								0.9709										0.9709	1.56597
Nitrogen Dioxide	R20	3	10	22	79	10	8								0.9672										0.9672	1.56
Nitrogen Dioxide	R20	3	11	22	78	10	8								0.9703										0.9703	1.565
Nitrogen Dioxide	R20	3	12	23	77	10	8								0.9578										0.9578	1.54484
Nitrogen Dioxide	R20	3	13	23	77	10	8								0.9578										0.9578	1.54484
Nitrogen Dioxide	R20	3	14	23	77	10	8								0.9578										0.9578	1.54484
Nitrogen Dioxide	R20	3	15	23	76	10	8								0.961										0.961	1.55
Nitrogen Dioxide	R20	3	16	23	77	10	8								0.9578										0.9578	1.54484
Nitrogen Dioxide	R20	3	17	22	79	10	8								0.9672										0.9672	1.56
Nitrogen Dioxide	R20	3	18	22	82	10	8								0.958										0.958	1.54516
Nitrogen Dioxide	R20	3	19	21	84	10	8								0.968										0.968	1.56129
Nitrogen Dioxide	R20	3	20	21	85	10	8								0.9651										0.9651	1.55661
Nitrogen Dioxide	R20	3	21	21	86	10	8								0.9622										0.9622	1.55194
Nitrogen Dioxide	R20	3	22	21	86	10	8								0.9622										0.9622	1.55194
Nitrogen Dioxide	R20	3	23	21	85	10	8								0.9651										0.9651	1.55661
Nitrogen Dioxide	R20	3	24	21	86	10	0								0.9622										0	0
Nitrogen Dioxide	R20	4	1	20	83	10	0								0.9859										0	0
Nitrogen Dioxide	R20	4	2	20	85	10	0								0.9805										0	0

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:
(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.
(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Dioxide	R20	4	3	20	84	10	0								0.9832										0	0
Nitrogen Dioxide	R20	4	4	20	85	10	0								0.9805										0	0
Nitrogen Dioxide	R20	4	5	19	84	10	0								0.9975										0	0
Nitrogen Dioxide	R20	4	6	19	84	10	0								0.9975										0	0
Nitrogen Dioxide	R20	4	7	20	84	10	0								0.9832										0	0
Nitrogen Dioxide	R20	4	8	21	79	10	8								0.9824										0.9824	1.58452
Nitrogen Dioxide	R20	4	9	22	73	10	8								0.9857										0.9857	1.58984
Nitrogen Dioxide	R20	4	10	23	69	10	8								0.984										0.984	1.5871
Nitrogen Dioxide	R20	4	11	23	68	10	8								0.9873										0.9873	1.59242
Nitrogen Dioxide	R20	4	12	24	66	10	8								0.9797										0.9797	1.58016
Nitrogen Dioxide	R20	4	13	24	65	10	8								0.9832										0.9832	1.58581
Nitrogen Dioxide	R20	4	14	24	66	10	8								0.9797										0.9797	1.58016
Nitrogen Dioxide	R20	4	15	24	66	10	8								0.9797										0.9797	1.58016
Nitrogen Dioxide	R20	4	16	24	67	10	8								0.9762										0.9762	1.57452
Nitrogen Dioxide	R20	4	17	23	69	10	8								0.984										0.984	1.5871
Nitrogen Dioxide	R20	4	18	22	74	10	8								0.9826										0.9826	1.58484
Nitrogen Dioxide	R20	4	19	22	76	10	8								0.9765										0.9765	1.575
Nitrogen Dioxide	R20	4	20	21	79	10	8								0.9824										0.9824	1.58452
Nitrogen Dioxide	R20	4	21	21	80	10	8								0.9795										0.9795	1.57984
Nitrogen Dioxide	R20	4	22	21	81	10	8								0.9766										0.9766	1.57516
Nitrogen Dioxide	R20	4	23	21	82	10	8								0.9737										0.9737	1.57048
Nitrogen Dioxide	R20	4	24	20	82	10	0								0.9886										0	0
Nitrogen Dioxide	R20	5	1	26	91	10	0								0.8501										0	0
Nitrogen Dioxide	R20	5	2	25	92	10	0								0.8681										0	0
Nitrogen Dioxide	R20	5	3	25	92	10	0								0.8681										0	0
Nitrogen Dioxide	R20	5	4	25	91	10	0								0.8718										0	0
Nitrogen Dioxide	R20	5	5	25	92	10	0								0.8681										0	0
Nitrogen Dioxide	R20	5	6	25	93	10	0								0.8644										0	0
Nitrogen Dioxide	R20	5	7	26	91	10	0								0.8501										0	0
Nitrogen Dioxide	R20	5	8	27	85	10	8								0.8525										0.8525	1.375
Nitrogen Dioxide	R20	5	9	28	80	10	8								0.8524										0.8524	1.37484
Nitrogen Dioxide	R20	5	10	28	78	10	8								0.8613										0.8613	1.38919
Nitrogen Dioxide	R20	5	11	29	77	10	8								0.8444										0.8444	1.36194
Nitrogen Dioxide	R20	5	12	29	75	10	8								0.8539										0.8539	1.37726
Nitrogen Dioxide	R20	5	13	29	74	10	8								0.8587										0.8587	1.385
Nitrogen Dioxide	R20	5	14	29	75	10	8								0.8539										0.8539	1.37726
Nitrogen Dioxide	R20	5	15	29	75	10	8								0.8539										0.8539	1.37726
Nitrogen Dioxide	R20	5	16	29	77	10	8								0.8444										0.8444	1.36194
Nitrogen Dioxide	R20	5	17	28	78	10	8								0.8613										0.8613	1.38919
Nitrogen Dioxide	R20	5	18	28	81	10	8								0.8479										0.8479	1.36758
Nitrogen Dioxide	R20	5	19	27	84	10	8								0.8567										0.8567	1.38177
Nitrogen Dioxide	R20	5	20	27	87	10	8								0.8441										0.8441	1.36145
Nitrogen Dioxide	R20	5	21	27	88	10	8								0.8399										0.8399	1.35468
Nitrogen Dioxide	R20	5	22	26	89	10	8								0.858										0.858	1.38387
Nitrogen Dioxide	R20	5	23	26	89	10	8								0.858										0.858	1.38387
Nitrogen Dioxide	R20	5	24	26	90	10	0								0.8541										0	0
Nitrogen Dioxide	R20	6	1	28	88	10	0								0.8166										0	0
Nitrogen Dioxide	R20	6	2	27	89	10	0								0.8357										0	0
Nitrogen Dioxide	R20	6	3	27	89	10	0								0.8357										0	0
Nitrogen Dioxide	R20	6	4	27	88	10	0								0.8399										0	0
Nitrogen Dioxide	R20	6	5	27	89	10	0								0.8357										0	0
Nitrogen Dioxide	R20	6	6	27	90	10	0								0.8315										0	0
Nitrogen Dioxide	R20	6	7	28	87	10	0								0.8211										0	0
Nitrogen Dioxide	R20	6	8	29	82	10	8								0.8207										0.8207	1.32371
Nitrogen Dioxide	R20	6	9	29	79	10	8								0.8349										0.8349	1.34661
Nitrogen Dioxide	R20	6	10	30	76	10	8								0.827										0.827	1.33387
Nitrogen Dioxide	R20	6	11	30	75	10	8								0.8321										0.8321	1.3421
Nitrogen Dioxide	R20	6	12	30	74	10	8								0.8371										0.8371	1.35016
Nitrogen Dioxide	R20	6	13	31	73	10	8								0.8198										0.8198	1.32226
Nitrogen Dioxide	R20	6	14	31	72	10	8								0.8252										0.8252	1.33097
Nitrogen Dioxide	R20	6	15	30	74	10	8								0.8371										0.8371	1.35016
Nitrogen Dioxide	R20	6	16	30	74	10	8								0.8371										0.8371	1.35016
Nitrogen Dioxide	R20	6	17	30	75	10	8								0.8321										0.8321	1.3421
Nitrogen Dioxide	R20	6	18	29	79	10	8								0.8349										0.8349	1.34661
Nitrogen Dioxide	R20	6	19	29	81	10	8								0.8254										0.8254	1.33129
Nitrogen Dioxide	R20	6	20	28	83	10	8								0.839										0.839	1.35323
Nitrogen Dioxide	R20	6	21	28	85	10	8								0.83										0.83	1.33871
Nitrogen Dioxide	R20	6	22	28	86	10	8								0.8256										0.8256	1.33161
Nitrogen Dioxide	R20	6	23	28	87	10	8								0.8211										0.8211	1.32435
Nitrogen Dioxide	R20	6	24	28	87	10	0								0.8211										0	0
Nitrogen Dioxide	R20	7	1	28	84	10	0								0.8345										0	0
Nitrogen Dioxide	R20	7	2	28	84	10	0								0.8345										0	0
Nitrogen Dioxide	R20	7	3	28	86	10	0								0.8256										0	0
Nitrogen Dioxide	R20	7	4	28	86	10	0								0.8256										0	0
Nitrogen Dioxide	R20	7	5	28	88	10	0								0.8166										0	0
Nitrogen Dioxide	R20	7	6	27	88	10	0								0.8399										0	0
Nitrogen Dioxide	R20	7	7	28	86	10	0								0.8256										0	0
Nitrogen Dioxide	R20	7	8	29	81	10	8								0.8254										0.8254	1.33129
Nitrogen Dioxide	R20	7	9	30	76	10	8								0.827										0.827	1.33387
Nitrogen Dioxide	R20	7	10	31	70	10	8								0.8358										0.8358	1.34806
Nitrogen Dioxide	R20	7	11	31	68	10	8								0.8465										0.8465	1.36532
Nitrogen Dioxide	R20	7	12	32	67	10	8								0.8304										0.8304	1.33935
Nitrogen Dioxide	R20	7	13	32	66	10	8								0.8361										0.8361	1.34855
Nitrogen Dioxide	R20	7	14	32	66	10	8								0.8361										0.8361	1.34855
Nitrogen Dioxide	R20	7	15	31	68	10	8								0.8465										0.8465	1.36532
Nitrogen Dioxide	R20	7	16	31	69	10	8								0.8412										0.8412	1.35677
Nitrogen Dioxide	R20	7	17	31	70	10	8								0.8358										0.8358	1.34806
Nitrogen Dioxide	R20	7	18	30	73	10	8								0.8421										0.8421	1.35823
Nitrogen Dioxide	R20	7	19	29	76	10	8								0.8492										0.8492	1.36968
Nitrogen Dioxide	R20	7	20	29	79	10	8								0.8349										0.8349	1.34661
Nitrogen Dioxide	R20	7	21	29	81	10	8								0.8254										0.8254	1.33129
Nitrogen Dioxide	R20	7	22	29	82	10	8								0.8207										0.8207	1.32371
Nitrogen Dioxide	R20	7	23	28	83	10	8								0.839										0.839	1.35323
Nitrogen Dioxide	R20	7	24	28	84	10	0								0.8345										0	0
Nitrogen Dioxide	R20	8	1	27	90	10	0								0.8315										0	0
Nitrogen Dioxide	R20	8	2	26	90	10	0								0.8541										0	0
Nitrogen Dioxide	R20	8	3	26	91	10	0								0.8501										0	0
Nitrogen Dioxide	R20	8	4	26	92	10	0								0.8462										0	0
Nitrogen Dioxide	R20	8	5	26	93	10	0								0.8422										0	0
Nitrogen Dioxide	R20	8	6	26	94	10	0								0.8383										0	0
Nitrogen Dioxide	R20	8	7	26	93	10	0								0.8422										0	0
Nitrogen Dioxide	R20	8	8	27	87	10	8								0.8441										0.8441	1.36145
Nitrogen Dioxide	R20	8	9	29	81	10	8								0.8254										0.8254	1.33129
Nitrogen Dioxide	R20	8	10	30	76	10	8								0.827										0.827	1.33387
Nitrogen Dioxide	R20	8	11	30	73	10	8								0.8421										0.8421	1.35823
Nitrogen Dioxide	R20	8	12	30	73	10	8								0.8421										0.8421	1.35823
Nitrogen Dioxide	R20	8	13	30	74	10	8								0.8371										0.8371	1.35016
Nitrogen Dioxide	R20	8	14	30	74	10	8								0.8371										0.8371	1.35016
Nitrogen Dioxide	R20	8	15	30	75	10	8								0.8321										0.8321	1.3421
Nitrogen Dioxide	R20	8	16	29	77	10	8								0.8444										0.8444	1.36194
Nitrogen Dioxide	R20	8	17	29	79	10	8								0.8349										0.8349	1.34661
Nitrogen Dioxide	R20	8	18	28	80	10	8								0.8524										0.8524	1.37484
Nitrogen Dioxide	R20	8	19	28	82	10	8								0.8435										0.8435	1.36048
Nitrogen Dioxide	R20	8	20	28	84	10	8								0.8345										0.8345	1.34597
Nitrogen Dioxide	R20	8	21	27	85	10	8								0.8525										0.8525	1.375
Nitrogen Dioxide	R20	8	22	27	87	10	8								0.8441										0.8441	1.36145
Nitrogen Dioxide	R20	8	23	27	88	10	8								0.8399										0.8399	1.35468
Nitrogen Dioxide	R20	8	24	27	89	10	0								0.8357										0	0
Nitrogen Dioxide	R20	9	1	27	89	10	0								0.8357										0	0
Nitrogen Dioxide	R20	9	2	26	89	10	0								0.858										0	0
Nitrogen Dioxide	R20	9	3	26	91	10	0								0.8501										0	0
Nitrogen Dioxide	R20	9	4	26	92	10	0								0.8462										0	0
Nitrogen Dioxide	R20	9	5	26	92	10	0								0.8462										0	0
Nitrogen Dioxide	R20	9	6	26	93	10	0								0.8422										0	0
Nitrogen Dioxide	R20	9	7	26	93	10	0								0.8422										0	0
Nitrogen Dioxide	R20	9	8	27	88	10	8								0.8399										0.8399	1.35468
Nitrogen Dioxide	R20	9	9	28	83	10	8								0.839										0.839	1.35323
Nitrogen Dioxide	R20	9	10	29	78	10	8								0.8397										0.8397	1.35435
Nitrogen Dioxide	R20	9	11	29	76	10	8								0.8492										0.8492	1.36968
Nitrogen Dioxide	R20	9	12	29	76	10	8								0.8492										0.8492	1.36968
Nitrogen Dioxide	R20	9	13	30	75	10	8								0.8321										0.8321	1.3421
Nitrogen Dioxide	R20	9	14	29	75	10	8								0.8539										0.8539	1.37726
Nitrogen Dioxide	R20	9	15	29	77	10	8								0.8444										0.8444	1.36194
Nitrogen Dioxide	R20	9	16	29	76	10	8								0.8492										0.8492	1.36968
Nitrogen Dioxide	R20	9	17	29	78	10	8								0.8397										0.8397	1.35435
Nitrogen Dioxide	R20	9	18	28	81	10	8								0.8479										0.8479	1.36758
Nitrogen Dioxide	R20	9	19	27	84	10	8								0.8567										0.8567	1.38177
Nitrogen Dioxide	R20	9	20	27	86	10	8								0.8483										0.8483	1.36823
Nitrogen Dioxide	R20	9	21	27	87	10	8								0.8441										0.8441	1.36145
Nitrogen Dioxide	R20	9	22	27	89	10	8								0.8357										0.8357	1.3479
Nitrogen Dioxide	R20	9	23	27	89	10	8								0.8357										0.8357	1.3479
Nitrogen Dioxide	R20	9	24	26	89	10	0								0.858										0	0
Nitrogen Dioxide	R20	10	1	24	74	10	0								0.9517										0	0
Nitrogen Dioxide	R20	10	2	23	74	10	0								0.9676										0	0
Nitrogen Dioxide	R20	10	3	23	74	10	0								0.9676										0	0
Nitrogen Dioxide	R20	10	4	23	75	10	0								0.9643										0	0
Nitrogen Dioxide	R20	10	5	23	74	10	0								0.9676										0	0
Nitrogen Dioxide	R20	10	6	23	75	10	0								0.9643										0	0
Nitrogen Dioxide	R20	10	7	23	75	10	0								0.9643										0	0

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:
(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.
(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Dioxide	R20	10	8	23	72	10	8								0.9742										0.9742	1.57129
Nitrogen Dioxide	R20	10	9	24	69	10	8								0.9692										0.9692	1.56323
Nitrogen Dioxide	R20	10	10	25	64	10	8								0.9722										0.9722	1.56806
Nitrogen Dioxide	R20	10	11	26	61	10	8								0.9688										0.9688	1.56258
Nitrogen Dioxide	R20	10	12	27	60	10	8								0.9577										0.9577	1.54468
Nitrogen Dioxide	R20	10	13	27	59	10	8								0.9619										0.9619	1.55145
Nitrogen Dioxide	R20	10	14	27	59	10	8								0.9619										0.9619	1.55145
Nitrogen Dioxide	R20	10	15	27	60	10	8								0.9577										0.9577	1.54468
Nitrogen Dioxide	R20	10	16	27	62	10	8								0.9492										0.9492	1.53097
Nitrogen Dioxide	R20	10	17	26	65	10	8								0.953										0.953	1.5371
Nitrogen Dioxide	R20	10	18	25	67	10	8								0.961										0.961	1.55
Nitrogen Dioxide	R20	10	19	25	69	10	8								0.9536										0.9536	1.53806
Nitrogen Dioxide	R20	10	20	25	71	10	8								0.9462										0.9462	1.52613
Nitrogen Dioxide	R20	10	21	24	71	10	8								0.9622										0.9622	1.55194
Nitrogen Dioxide	R20	10	22	24	71	10	8								0.9622										0.9622	1.55194
Nitrogen Dioxide	R20	10	23	24	72	10	8								0.9587										0.9587	1.54629
Nitrogen Dioxide	R20	10	24	24	72	10	0								0.9587										0	0
Nitrogen Dioxide	R20	11	1	21	75	10	0								0.9939										0	0
Nitrogen Dioxide	R20	11	2	21	74	10	0								0.9968										0	0
Nitrogen Dioxide	R20	11	3	21	74	10	0								0.9968										0	0
Nitrogen Dioxide	R20	11	4	21	74	10	0								0.9968										0	0
Nitrogen Dioxide	R20	11	5	21	74	10	0								0.9968										0	0
Nitrogen Dioxide	R20	11	6	21	73	10	0								0.9997										0	0
Nitrogen Dioxide	R20	11	7	21	73	10	0								0.9997										0	0
Nitrogen Dioxide	R20	11	8	21	70	10	8								1.0083										1.0083	1.62629
Nitrogen Dioxide	R20	11	9	22	66	10	8								1.0072										1.0072	1.62452
Nitrogen Dioxide	R20	11	10	23	61	10	8								1.0102										1.0102	1.62935
Nitrogen Dioxide	R20	11	11	25	57	10	8								0.9982										0.9982	1.61
Nitrogen Dioxide	R20	11	12	25	56	10	8								1.0019										1.0019	1.61597
Nitrogen Dioxide	R20	11	13	25	56	10	8								1.0019										1.0019	1.61597
Nitrogen Dioxide	R20	11	14	26	56	10	8								0.9885										0.9885	1.59435
Nitrogen Dioxide	R20	11	15	26	57	10	8								0.9846										0.9846	1.58806
Nitrogen Dioxide	R20	11	16	25	58	10	8								0.9945										0.9945	1.60403
Nitrogen Dioxide	R20	11	17	24	63	10	8								0.9901										0.9901	1.59694
Nitrogen Dioxide	R20	11	18	23	66	10	8								0.9938										0.9938	1.6029
Nitrogen Dioxide	R20	11	19	23	70	10	8								0.9807										0.9807	1.58177
Nitrogen Dioxide	R20	11	20	22	70	10	8								0.9949										0.9949	1.60468
Nitrogen Dioxide	R20	11	21	22	72	10	8								0.9888										0.9888	1.59484
Nitrogen Dioxide	R20	11	22	22	74	10	8								0.9826										0.9826	1.58484
Nitrogen Dioxide	R20	11	23	22	74	10	8								0.9826										0.9826	1.58484
Nitrogen Dioxide	R20	11	24	21	74	10	0								0.9968										0	0
Nitrogen Dioxide	R20	12	1	16	68	10	0								1.069										0	0
Nitrogen Dioxide	R20	12	2	16	69	10	0								1.0669										0	0
Nitrogen Dioxide	R20	12	3	16	69	10	0								1.0669										0	0
Nitrogen Dioxide	R20	12	4	15	70	10	0								1.0742										0	0
Nitrogen Dioxide	R20	12	5	15	70	10	0								1.0742										0	0
Nitrogen Dioxide	R20	12	6	15	70	10	0								1.0742										0	0
Nitrogen Dioxide	R20	12	7	15	70	10	0								1.0742										0	0
Nitrogen Dioxide	R20	12	8	15	69	10	8								1.0761										1.0761	1.73565
Nitrogen Dioxide	R20	12	9	16	65	10	8								1.0752										1.0752	1.73419
Nitrogen Dioxide	R20	12	10	17	62	10	8								1.0726										1.0726	1.73
Nitrogen Dioxide	R20	12	11	18	58	10	8								1.0727										1.0727	1.73016
Nitrogen Dioxide	R20	12	12	19	57	10	8								1.0658										1.0658	1.71903
Nitrogen Dioxide	R20	12	13	19	56	10	8								1.0684										1.0684	1.72323
Nitrogen Dioxide	R20	12	14	19	56	10	8								1.0684										1.0684	1.72323
Nitrogen Dioxide	R20	12	15	19	56	10	8								1.0684										1.0684	1.72323
Nitrogen Dioxide	R20	12	16	19	57	10	8								1.0658										1.0658	1.71903
Nitrogen Dioxide	R20	12	17	18	60	10	8								1.0679										1.0679	1.72242
Nitrogen Dioxide	R20	12	18	18	64	10	8								1.0584										1.0584	1.7071
Nitrogen Dioxide	R20	12	19	17	65	10	8								1.0659										1.0659	1.71919
Nitrogen Dioxide	R20	12	20	17	66	10	8								1.0637										1.0637	1.71565
Nitrogen Dioxide	R20	12	21	17	66	10	8								1.0637										1.0637	1.71565
Nitrogen Dioxide	R20	12	22	16	66	10	8								1.0731										1.0731	1.73081
Nitrogen Dioxide	R20	12	23	16	66	10	8								1.0731										1.0731	1.73081
Nitrogen Dioxide	R20	12	24	16	67	10	0								1.071										0	0
Nitrogen Dioxide	R21	1	1	17	76	10	132								1.0415										1.0415	1.67984
Nitrogen Dioxide	R21	1	2	17	77	10	132								1.0393										1.0393	1.67629
Nitrogen Dioxide	R21	1	3	17	77	10	132								1.0393										1.0393	1.67629
Nitrogen Dioxide	R21	1	4	17	77	10	132								1.0393										1.0393	1.67629
Nitrogen Dioxide	R21	1	5	17	78	10	132								1.0371										1.0371	1.67274
Nitrogen Dioxide	R21	1	6	17	77	10	132								1.0393										1.0393	1.67629
Nitrogen Dioxide	R21	1	7	16	77	10	132								1.0503										1.0503	1.69403
Nitrogen Dioxide	R21	1	8	17	77	10	274								1.0393										1.0393	1.67629
Nitrogen Dioxide	R21	1	9	17	73	10	274								1.0482										1.0482	1.69065
Nitrogen Dioxide	R21	1	10	19	69	10	274								1.0355										1.0355	1.67016
Nitrogen Dioxide	R21	1	11	20	64	10	274								1.0372										1.0372	1.6729
Nitrogen Dioxide	R21	1	12	21	62	10	274								1.0314										1.0314	1.66355
Nitrogen Dioxide	R21	1	13	21	61	10	274								1.0343										1.0343	1.66823
Nitrogen Dioxide	R21	1	14	21	62	10	274								1.0314										1.0314	1.66355
Nitrogen Dioxide	R21	1	15	21	62	10	274								1.0314										1.0314	1.66355
Nitrogen Dioxide	R21	1	16	21	63	10	274								1.0285										1.0285	1.65887
Nitrogen Dioxide	R21	1	17	20	67	10	274								1.0291										1.0291	1.65984
Nitrogen Dioxide	R21	1	18	19	73	10	274								1.0279										1.0279	1.6579
Nitrogen Dioxide	R21	1	19	18	74	10	274								1.0348										1.0348	1.66903
Nitrogen Dioxide	R21	1	20	18	74	10	274								1.0348										1.0348	1.66903
Nitrogen Dioxide	R21	1	21	18	75	10	274								1.0324										1.0324	1.66516
Nitrogen Dioxide	R21	1	22	18	76	10	274								1.03										1.03	1.66129
Nitrogen Dioxide	R21	1	23	18	75	10	274								1.0324										1.0324	1.66516
Nitrogen Dioxide	R21	1	24	17	76	10	132								1.0415										1.0415	1.67984
Nitrogen Dioxide	R21	2	1	17	78	10	132								1.0371										1.0371	1.67274
Nitrogen Dioxide	R21	2	2	17	80	10	132								1.0327										1.0327	1.66565
Nitrogen Dioxide	R21	2	3	17	81	10	132								1.0305										1.0305	1.6621
Nitrogen Dioxide	R21	2	4	17	82	10	132								1.0282										1.0282	1.65839
Nitrogen Dioxide	R21	2	5	16	83	10	132								1.0378										1.0378	1.67387
Nitrogen Dioxide	R21	2	6	16	83	10	132								1.0378										1.0378	1.67387
Nitrogen Dioxide	R21	2	7	16	83	10	132								1.0378										1.0378	1.67387
Nitrogen Dioxide	R21	2	8	17	81	10	274								1.0305										1.0305	1.6621
Nitrogen Dioxide	R21	2	9	18	77	10	274								1.0277										1.0277	1.65758
Nitrogen Dioxide	R21	2	10	19	73	10	274								1.0254										1.0254	1.65387
Nitrogen Dioxide	R21	2	11	20	70	10	274								1.021										1.021	1.64677
Nitrogen Dioxide	R21	2	12	20	68	10	274								1.0264										1.0264	1.65548
Nitrogen Dioxide	R21	2	13	21	65	10	274								1.0227										1.0227	1.64952
Nitrogen Dioxide	R21	2	14	21	65	10	274								1.0227										1.0227	1.64952
Nitrogen Dioxide	R21	2	15	21	66	10	274								1.0199										1.0199	1.645
Nitrogen Dioxide	R21	2	16	20	68	10	274								1.0264										1.0264	1.65548
Nitrogen Dioxide	R21	2	17	20	70	10	274								1.021										1.021	1.64677
Nitrogen Dioxide	R21	2	18	19	74	10	274								1.0228										1.0228	1.64968
Nitrogen Dioxide	R21	2	19	18	76	10	274								1.03										1.03	1.66129
Nitrogen Dioxide	R21	2	20	18	78	10	274								1.0253										1.0253	1.65371
Nitrogen Dioxide	R21	2	21	18	78	10	274								1.0253										1.0253	1.65371
Nitrogen Dioxide	R21	2	22	18	78	10	274								1.0253										1.0253	1.65371
Nitrogen Dioxide	R21	2	23	18	78	10	274								1.0253										1.0253	1.65371
Nitrogen Dioxide	R21	2	24	18	78	10	132								1.0253										1.0253	1.65371
Nitrogen Dioxide	R21	3	1	21	86	10	132								0.9622										0.9622	1.55194
Nitrogen Dioxide	R21	3	2	20	87	10	132								0.9751										0.9751	1.57274
Nitrogen Dioxide	R21	3	3	20	87	10	132								0.9751										0.9751	1.57274
Nitrogen Dioxide	R21	3	4	20	87	10	132								0.9751										0.9751	1.57274
Nitrogen Dioxide	R21	3	5	20	87	10	132								0.9751										0.9751	1.57274
Nitrogen Dioxide	R21	3	6	20	87	10	132								0.9751										0.9751	1.57274
Nitrogen Dioxide	R21	3	7	20	87	10	132								0.9751										0.9751	1.57274
Nitrogen Dioxide	R21	3	8	20	86	10	274								0.9778										0.9778	1.5771
Nitrogen Dioxide	R21	3	9	21	83	10	274								0.9709										0.9709	1.56597
Nitrogen Dioxide	R21	3	10	22	79	10	274								0.9672										0.9672	1.56
Nitrogen Dioxide	R21	3	11	22	78	10	274								0.9703										0.9703	1.565
Nitrogen Dioxide	R21	3	12	23	77	10	274								0.9578										0.9578	1.54484
Nitrogen Dioxide	R21	3	13	23	77	10	274								0.9578										0.9578	1.54484
Nitrogen Dioxide	R21	3	14	23	77	10	274								0.9578										0.9578	1.54484
Nitrogen Dioxide	R21	3	15	23	76	10	274								0.961										0.961	1.55
Nitrogen Dioxide	R21	3	16	23	77	10	274								0.9578										0.9578	1.54484
Nitrogen Dioxide	R21	3	17	22	79	10	274								0.9672										0.9672	1.56
Nitrogen Dioxide	R21	3	18	22	82	10	274								0.958										0.958	1.54516
Nitrogen Dioxide	R21	3	19	21	84	10	274								0.968										0.968	1.56129
Nitrogen Dioxide	R21	3	20	21	85	10	274								0.9651										0.9651	1.55661
Nitrogen Dioxide	R21	3	21	21	86	10	274								0.9622										0.9622	1.55194
Nitrogen Dioxide	R21	3	22	21	86	10	274								0.9622										0.9622	1.55194
Nitrogen Dioxide	R21	3	23	21	85	10	274								0.9651										0.9651	1.55661
Nitrogen Dioxide	R21	3	24	21	86	10	132								0.9622										0.9622	1.55194
Nitrogen Dioxide	R21	4	1	20	83	10	132								0.9859										0.9859	1.59016
Nitrogen Dioxide	R21	4	2	20	85	10	132								0.9805										0.9805	1.58145
Nitrogen Dioxide	R21	4	3	20	84	10	132								0.9832										0.9832	1.58581
Nitrogen Dioxide	R21	4	4	20	85	10	132								0.9805										0.9805	1.58145
Nitrogen Dioxide	R21	4	5	19	84	10	132								0.9975										0.9975	1.60887
Nitrogen Dioxide	R21	4	6	19	84	10	132								0.9975										0.9975	1.60887
Nitrogen Dioxide	R21	4	7	20	84	10	132								0.9832										0.9832	1.58581
Nitrogen Dioxide	R21	4	8	21	79	10	274								0.9824										0.9824	1.58452
Nitrogen Dioxide	R21	4	9	22	73	10	274								0.9857										0.9857	1.58984
Nitrogen Dioxide	R21	4	10	23	69	10	274								0.984										0.984	1.5871
Nitrogen Dioxide	R21	4	11	23	68	10	274								0.9873										0.9873	1.59242
Nitrogen Dioxide	R21	4	12	24	66	10	274								0.9797										0.9797	1.58016

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:
(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.
(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Dioxide	R21	4	13	24	65	10	274								0.9832										0.9832	1.58581
Nitrogen Dioxide	R21	4	14	24	66	10	274								0.9797										0.9797	1.58016
Nitrogen Dioxide	R21	4	15	24	66	10	274								0.9797										0.9797	1.58016
Nitrogen Dioxide	R21	4	16	24	67	10	274								0.9762										0.9762	1.57452
Nitrogen Dioxide	R21	4	17	23	69	10	274								0.984										0.984	1.5871
Nitrogen Dioxide	R21	4	18	22	74	10	274								0.9826										0.9826	1.58484
Nitrogen Dioxide	R21	4	19	22	76	10	274								0.9765										0.9765	1.575
Nitrogen Dioxide	R21	4	20	21	79	10	274								0.9824										0.9824	1.58452
Nitrogen Dioxide	R21	4	21	21	80	10	274								0.9795										0.9795	1.57984
Nitrogen Dioxide	R21	4	22	21	81	10	274								0.9766										0.9766	1.57516
Nitrogen Dioxide	R21	4	23	21	82	10	274								0.9737										0.9737	1.57048
Nitrogen Dioxide	R21	4	24	20	82	10	132								0.9886										0.9886	1.59452
Nitrogen Dioxide	R21	5	1	26	91	10	132								0.8501										0.8501	1.37113
Nitrogen Dioxide	R21	5	2	25	92	10	132								0.8681										0.8681	1.40016
Nitrogen Dioxide	R21	5	3	25	92	10	132								0.8681										0.8681	1.40016
Nitrogen Dioxide	R21	5	4	25	91	10	132								0.8718										0.8718	1.40613
Nitrogen Dioxide	R21	5	5	25	92	10	132								0.8681										0.8681	1.40016
Nitrogen Dioxide	R21	5	6	25	93	10	132								0.8644										0.8644	1.39419
Nitrogen Dioxide	R21	5	7	26	91	10	132								0.8501										0.8501	1.37113
Nitrogen Dioxide	R21	5	8	27	85	10	274								0.8525										0.8525	1.375
Nitrogen Dioxide	R21	5	9	28	80	10	274								0.8524										0.8524	1.37484
Nitrogen Dioxide	R21	5	10	28	78	10	274								0.8613										0.8613	1.38919
Nitrogen Dioxide	R21	5	11	29	77	10	274								0.8444										0.8444	1.36194
Nitrogen Dioxide	R21	5	12	29	75	10	274								0.8539										0.8539	1.37726
Nitrogen Dioxide	R21	5	13	29	74	10	274								0.8587										0.8587	1.385
Nitrogen Dioxide	R21	5	14	29	75	10	274								0.8539										0.8539	1.37726
Nitrogen Dioxide	R21	5	15	29	75	10	274								0.8539										0.8539	1.37726
Nitrogen Dioxide	R21	5	16	29	77	10	274								0.8444										0.8444	1.36194
Nitrogen Dioxide	R21	5	17	28	78	10	274								0.8613										0.8613	1.38919
Nitrogen Dioxide	R21	5	18	28	81	10	274								0.8479										0.8479	1.36758
Nitrogen Dioxide	R21	5	19	27	84	10	274								0.8567										0.8567	1.38177
Nitrogen Dioxide	R21	5	20	27	87	10	274								0.8441										0.8441	1.36145
Nitrogen Dioxide	R21	5	21	27	88	10	274								0.8399										0.8399	1.35468
Nitrogen Dioxide	R21	5	22	26	89	10	274								0.858										0.858	1.38387
Nitrogen Dioxide	R21	5	23	26	89	10	274								0.858										0.858	1.38387
Nitrogen Dioxide	R21	5	24	26	90	10	132								0.8541										0.8541	1.37758
Nitrogen Dioxide	R21	6	1	28	88	10	132								0.8166										0.8166	1.3171
Nitrogen Dioxide	R21	6	2	27	89	10	132								0.8357										0.8357	1.3479
Nitrogen Dioxide	R21	6	3	27	89	10	132								0.8357										0.8357	1.3479
Nitrogen Dioxide	R21	6	4	27	88	10	132								0.8399										0.8399	1.35468
Nitrogen Dioxide	R21	6	5	27	89	10	132								0.8357										0.8357	1.3479
Nitrogen Dioxide	R21	6	6	27	90	10	132								0.8315										0.8315	1.34113
Nitrogen Dioxide	R21	6	7	28	87	10	132								0.8211										0.8211	1.32435
Nitrogen Dioxide	R21	6	8	29	82	10	274								0.8207										0.8207	1.32371
Nitrogen Dioxide	R21	6	9	29	79	10	274								0.8349										0.8349	1.34661
Nitrogen Dioxide	R21	6	10	30	76	10	274								0.827										0.827	1.33387
Nitrogen Dioxide	R21	6	11	30	75	10	274								0.8321										0.8321	1.3421
Nitrogen Dioxide	R21	6	12	30	74	10	274								0.8371										0.8371	1.35016
Nitrogen Dioxide	R21	6	13	31	73	10	274								0.8198										0.8198	1.32226
Nitrogen Dioxide	R21	6	14	31	72	10	274								0.8252										0.8252	1.33097
Nitrogen Dioxide	R21	6	15	30	74	10	274								0.8371										0.8371	1.35016
Nitrogen Dioxide	R21	6	16	30	74	10	274								0.8371										0.8371	1.35016
Nitrogen Dioxide	R21	6	17	30	75	10	274								0.8321										0.8321	1.3421
Nitrogen Dioxide	R21	6	18	29	79	10	274								0.8349										0.8349	1.34661
Nitrogen Dioxide	R21	6	19	29	81	10	274								0.8254										0.8254	1.33129
Nitrogen Dioxide	R21	6	20	28	83	10	274								0.839										0.839	1.35323
Nitrogen Dioxide	R21	6	21	28	85	10	274								0.83										0.83	1.33871
Nitrogen Dioxide	R21	6	22	28	86	10	274								0.8256										0.8256	1.33161
Nitrogen Dioxide	R21	6	23	28	87	10	274								0.8211										0.8211	1.32435
Nitrogen Dioxide	R21	6	24	28	87	10	132								0.8211										0.8211	1.32435
Nitrogen Dioxide	R21	7	1	28	84	10	132								0.8345										0.8345	1.34597
Nitrogen Dioxide	R21	7	2	28	84	10	132								0.8345										0.8345	1.34597
Nitrogen Dioxide	R21	7	3	28	86	10	132								0.8256										0.8256	1.33161
Nitrogen Dioxide	R21	7	4	28	86	10	132								0.8256										0.8256	1.33161
Nitrogen Dioxide	R21	7	5	28	88	10	132								0.8166										0.8166	1.3171
Nitrogen Dioxide	R21	7	6	27	88	10	132								0.8399										0.8399	1.35468
Nitrogen Dioxide	R21	7	7	28	86	10	132								0.8256										0.8256	1.33161
Nitrogen Dioxide	R21	7	8	29	81	10	274								0.8254										0.8254	1.33129
Nitrogen Dioxide	R21	7	9	30	76	10	274								0.827										0.827	1.33387
Nitrogen Dioxide	R21	7	10	31	70	10	274								0.8358										0.8358	1.34806
Nitrogen Dioxide	R21	7	11	31	68	10	274								0.8465										0.8465	1.36532
Nitrogen Dioxide	R21	7	12	32	67	10	274								0.8304										0.8304	1.33935
Nitrogen Dioxide	R21	7	13	32	66	10	274								0.8361										0.8361	1.34855
Nitrogen Dioxide	R21	7	14	32	66	10	274								0.8361										0.8361	1.34855
Nitrogen Dioxide	R21	7	15	31	68	10	274								0.8465										0.8465	1.36532
Nitrogen Dioxide	R21	7	16	31	69	10	274								0.8412										0.8412	1.35677
Nitrogen Dioxide	R21	7	17	31	70	10	274								0.8358										0.8358	1.34806
Nitrogen Dioxide	R21	7	18	30	73	10	274								0.8421										0.8421	1.35823
Nitrogen Dioxide	R21	7	19	29	76	10	274								0.8492										0.8492	1.36968
Nitrogen Dioxide	R21	7	20	29	79	10	274								0.8349										0.8349	1.34661
Nitrogen Dioxide	R21	7	21	29	81	10	274								0.8254										0.8254	1.33129
Nitrogen Dioxide	R21	7	22	29	82	10	274								0.8207										0.8207	1.32371
Nitrogen Dioxide	R21	7	23	28	83	10	274								0.839										0.839	1.35323
Nitrogen Dioxide	R21	7	24	28	84	10	132								0.8345										0.8345	1.34597
Nitrogen Dioxide	R21	8	1	27	90	10	132								0.8315										0.8315	1.34113
Nitrogen Dioxide	R21	8	2	26	90	10	132								0.8541										0.8541	1.37758
Nitrogen Dioxide	R21	8	3	26	91	10	132								0.8501										0.8501	1.37113
Nitrogen Dioxide	R21	8	4	26	92	10	132								0.8462										0.8462	1.36484
Nitrogen Dioxide	R21	8	5	26	93	10	132								0.8422										0.8422	1.35839
Nitrogen Dioxide	R21	8	6	26	94	10	132								0.8383										0.8383	1.3521
Nitrogen Dioxide	R21	8	7	26	93	10	132								0.8422										0.8422	1.35839
Nitrogen Dioxide	R21	8	8	27	87	10	274								0.8441										0.8441	1.36145
Nitrogen Dioxide	R21	8	9	29	81	10	274								0.8254										0.8254	1.33129
Nitrogen Dioxide	R21	8	10	30	76	10	274								0.827										0.827	1.33387
Nitrogen Dioxide	R21	8	11	30	73	10	274								0.8421										0.8421	1.35823
Nitrogen Dioxide	R21	8	12	30	73	10	274								0.8421										0.8421	1.35823
Nitrogen Dioxide	R21	8	13	30	74	10	274								0.8371										0.8371	1.35016
Nitrogen Dioxide	R21	8	14	30	74	10	274								0.8371										0.8371	1.35016
Nitrogen Dioxide	R21	8	15	30	75	10	274								0.8321										0.8321	1.3421
Nitrogen Dioxide	R21	8	16	29	77	10	274								0.8444										0.8444	1.36194
Nitrogen Dioxide	R21	8	17	29	79	10	274								0.8349										0.8349	1.34661
Nitrogen Dioxide	R21	8	18	28	80	10	274								0.8524										0.8524	1.37484
Nitrogen Dioxide	R21	8	19	28	82	10	274								0.8435										0.8435	1.36048
Nitrogen Dioxide	R21	8	20	28	84	10	274								0.8345										0.8345	1.34597
Nitrogen Dioxide	R21	8	21	27	85	10	274								0.8525										0.8525	1.375
Nitrogen Dioxide	R21	8	22	27	87	10	274								0.8441										0.8441	1.36145
Nitrogen Dioxide	R21	8	23	27	88	10	274								0.8399										0.8399	1.35468
Nitrogen Dioxide	R21	8	24	27	89	10	132								0.8357										0.8357	1.3479
Nitrogen Dioxide	R21	9	1	27	89	10	132								0.8357										0.8357	1.3479
Nitrogen Dioxide	R21	9	2	26	89	10	132								0.858										0.858	1.38387
Nitrogen Dioxide	R21	9	3	26	91	10	132								0.8501										0.8501	1.37113
Nitrogen Dioxide	R21	9	4	26	92	10	132								0.8462										0.8462	1.36484
Nitrogen Dioxide	R21	9	5	26	92	10	132								0.8462										0.8462	1.36484
Nitrogen Dioxide	R21	9	6	26	93	10	132								0.8422										0.8422	1.35839
Nitrogen Dioxide	R21	9	7	26	93	10	132								0.8422										0.8422	1.35839
Nitrogen Dioxide	R21	9	8	27	88	10	274								0.8399										0.8399	1.35468
Nitrogen Dioxide	R21	9	9	28	83	10	274								0.839										0.839	1.35323
Nitrogen Dioxide	R21	9	10	29	78	10	274								0.8397										0.8397	1.35435
Nitrogen Dioxide	R21	9	11	29	76	10	274								0.8492										0.8492	1.36968
Nitrogen Dioxide	R21	9	12	29	76	10	274								0.8492										0.8492	1.36968
Nitrogen Dioxide	R21	9	13	30	75	10	274								0.8321										0.8321	1.3421
Nitrogen Dioxide	R21	9	14	29	75	10	274								0.8539										0.8539	1.37726
Nitrogen Dioxide	R21	9	15	29	77	10	274								0.8444										0.8444	1.36194
Nitrogen Dioxide	R21	9	16	29	76	10	274								0.8492										0.8492	1.36968
Nitrogen Dioxide	R21	9	17	29	78	10	274								0.8397										0.8397	1.35435
Nitrogen Dioxide	R21	9	18	28	81	10	274								0.8479										0.8479	1.36758
Nitrogen Dioxide	R21	9	19	27	84	10	274								0.8567										0.8567	1.38177
Nitrogen Dioxide	R21	9	20	27	86	10	274								0.8483										0.8483	1.36823
Nitrogen Dioxide	R21	9	21	27	87	10	274								0.8441										0.8441	1.36145
Nitrogen Dioxide	R21	9	22	27	89	10	274								0.8357										0.8357	1.3479
Nitrogen Dioxide	R21	9	23	27	89	10	274								0.8357										0.8357	1.3479
Nitrogen Dioxide	R21	9	24	26	89	10	132								0.858										0.858	1.38387
Nitrogen Dioxide	R21	10	1	24	74	10	132								0.9517										0.9517	1.535
Nitrogen Dioxide	R21	10	2	23	74	10	132								0.9676										0.9676	1.56065
Nitrogen Dioxide	R21	10	3	23	74	10	132								0.9676										0.9676	1.56065
Nitrogen Dioxide	R21	10	4	23	75	10	132								0.9643										0.9643	1.55532
Nitrogen Dioxide	R21	10	5	23	74	10	132								0.9676										0.9676	1.56065
Nitrogen Dioxide	R21	10	6	23	75	10	132								0.9643										0.9643	1.55532
Nitrogen Dioxide	R21	10	7	23	75	10	132								0.9643										0.9643	1.55532
Nitrogen Dioxide	R21	10	8	23	72	10	274								0.9742										0.9742	1.57129
Nitrogen Dioxide	R21	10	9	24	69	10	274								0.9692										0.9692	1.56323
Nitrogen Dioxide	R21	10	10	25	64	10	274								0.9722										0.9722	1.56806
Nitrogen Dioxide	R21	10	11	26	61	10	274								0.9688										0.9688	1.56258
Nitrogen Dioxide	R21	10	12	27	60	10	274								0.9577										0.9577	1.54468
Nitrogen Dioxide	R21	10	13	27	59	10	274								0.9619										0.9619	1.55145
Nitrogen Dioxide	R21	10	14	27	59	10	274								0.9619										0.9619	1.55145
Nitrogen Dioxide	R21	10	15	27	60	10	274								0.9577										0.9577	1.54468
Nitrogen Dioxide	R21	10	16	27	62	10	274								0.9492										0.9492	1.53097
Nitrogen Dioxide	R21	10	17	26	65	10	274								0.953										0.953	1.5371

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:
(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.
(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Dioxide	R21	10	18	25	67	10	274								0.961										0.961	1.55
Nitrogen Dioxide	R21	10	19	25	69	10	274								0.9536										0.9536	1.53806
Nitrogen Dioxide	R21	10	20	25	71	10	274								0.9462										0.9462	1.52613
Nitrogen Dioxide	R21	10	21	24	71	10	274								0.9622										0.9622	1.55194
Nitrogen Dioxide	R21	10	22	24	71	10	274								0.9623										0.9622	1.55194
Nitrogen Dioxide	R21	10	23	24	72	10	274								0.9587										0.9587	1.54629
Nitrogen Dioxide	R21	10	24	24	72	10	132								0.9587										0.9587	1.54629
Nitrogen Dioxide	R21	11	1	21	75	10	132								0.9939										0.9939	1.60306
Nitrogen Dioxide	R21	11	2	21	74	10	132								0.9968										0.9968	1.60774
Nitrogen Dioxide	R21	11	3	21	74	10	132								0.9968										0.9968	1.60774
Nitrogen Dioxide	R21	11	4	21	74	10	132								0.9968										0.9968	1.60774
Nitrogen Dioxide	R21	11	5	21	74	10	132								0.9968										0.9968	1.60774
Nitrogen Dioxide	R21	11	6	21	73	10	132								0.9997										0.9997	1.61242
Nitrogen Dioxide	R21	11	7	21	73	10	132								0.9997										0.9997	1.61242
Nitrogen Dioxide	R21	11	8	21	70	10	274								1.0083										1.0083	1.62629
Nitrogen Dioxide	R21	11	9	22	66	10	274								1.0072										1.0072	1.62452
Nitrogen Dioxide	R21	11	10	23	61	10	274								1.0102										1.0102	1.62935
Nitrogen Dioxide	R21	11	11	25	57	10	274								0.9982										0.9982	1.61
Nitrogen Dioxide	R21	11	12	25	56	10	274								1.0019										1.0019	1.61597
Nitrogen Dioxide	R21	11	13	25	56	10	274								1.0019										1.0019	1.61597
Nitrogen Dioxide	R21	11	14	26	56	10	274								0.9885										0.9885	1.59435
Nitrogen Dioxide	R21	11	15	26	57	10	274								0.9846										0.9846	1.58806
Nitrogen Dioxide	R21	11	16	25	58	10	274								0.9945										0.9943	1.60403
Nitrogen Dioxide	R21	11	17	24	63	10	274								0.9901										0.9901	1.59694
Nitrogen Dioxide	R21	11	18	23	66	10	274								0.9938										0.9938	1.6029
Nitrogen Dioxide	R21	11	19	23	70	10	274								0.9807										0.9807	1.58177
Nitrogen Dioxide	R21	11	20	22	70	10	274								0.9949										0.9949	1.60468
Nitrogen Dioxide	R21	11	21	22	72	10	274								0.9888										0.9888	1.59484
Nitrogen Dioxide	R21	11	22	22	74	10	274								0.9826										0.9826	1.58484
Nitrogen Dioxide	R21	11	23	22	74	10	274								0.9826										0.9826	1.58484
Nitrogen Dioxide	R21	11	24	21	74	10	132								0.9968										0.9968	1.60774
Nitrogen Dioxide	R21	12	1	16	68	10	132								1.069										1.0669	1.72419
Nitrogen Dioxide	R21	12	2	16	69	10	132								1.0669										1.0669	1.72081
Nitrogen Dioxide	R21	12	3	16	69	10	132								1.0669										1.0669	1.72081
Nitrogen Dioxide	R21	12	4	15	70	10	132								1.0742										1.0742	1.73258
Nitrogen Dioxide	R21	12	5	15	70	10	132								1.0742										1.0742	1.73258
Nitrogen Dioxide	R21	12	6	15	70	10	132								1.0742										1.0742	1.73258
Nitrogen Dioxide	R21	12	7	15	70	10	132								1.0742										1.0742	1.73258
Nitrogen Dioxide	R21	12	8	15	69	10	274								1.0761										1.0761	1.73565
Nitrogen Dioxide	R21	12	9	16	65	10	274								1.0752										1.0752	1.73419
Nitrogen Dioxide	R21	12	10	17	62	10	274								1.0726										1.0726	1.73
Nitrogen Dioxide	R21	12	11	18	58	10	274								1.0727										1.0727	1.73016
Nitrogen Dioxide	R21	12	12	19	57	10	274								1.0658										1.0658	1.71903
Nitrogen Dioxide	R21	12	13	19	56	10	274								1.0684										1.0684	1.72323
Nitrogen Dioxide	R21	12	14	19	56	10	274								1.0684										1.0684	1.72323
Nitrogen Dioxide	R21	12	15	19	56	10	274								1.0684										1.0684	1.72323
Nitrogen Dioxide	R21	12	16	19	57	10	274								1.0658										1.0658	1.71903
Nitrogen Dioxide	R21	12	17	18	60	10	274								1.0679										1.0679	1.72242
Nitrogen Dioxide	R21	12	18	18	64	10	274								1.0584										1.0584	1.7071
Nitrogen Dioxide	R21	12	19	17	65	10	274								1.0659										1.0659	1.71919
Nitrogen Dioxide	R21	12	20	17	66	10	274								1.0637										1.0637	1.71565
Nitrogen Dioxide	R21	12	21	17	66	10	274								1.0637										1.0637	1.71565
Nitrogen Dioxide	R21	12	22	16	66	10	274								1.0731										1.0731	1.73081
Nitrogen Dioxide	R21	12	23	16	66	10	274								1.0731										1.0731	1.73081
Nitrogen Dioxide	R21	12	24	16	67	10	132								1.071										1.071	1.72742
Nitrogen Dioxide	R22	1	1	17	76	10	132								1.0415										1.0415	1.67984
Nitrogen Dioxide	R22	1	2	17	77	10	132								1.0393										1.0393	1.67629
Nitrogen Dioxide	R22	1	3	17	77	10	132								1.0393										1.0393	1.67629
Nitrogen Dioxide	R22	1	4	17	77	10	132								1.0393										1.0393	1.67629
Nitrogen Dioxide	R22	1	5	17	78	10	132								1.0371										1.0371	1.67274
Nitrogen Dioxide	R22	1	6	17	77	10	132								1.0393										1.0393	1.67629
Nitrogen Dioxide	R22	1	7	16	77	10	132								1.0503										1.0503	1.69403
Nitrogen Dioxide	R22	1	8	17	77	10	148								1.0393										1.0393	1.67629
Nitrogen Dioxide	R22	1	9	17	73	10	148								1.0482										1.0482	1.69065
Nitrogen Dioxide	R22	1	10	19	69	10	148								1.0355										1.0355	1.67016
Nitrogen Dioxide	R22	1	11	20	64	10	148								1.0372										1.0372	1.6729
Nitrogen Dioxide	R22	1	12	21	62	10	148								1.0314										1.0314	1.66355
Nitrogen Dioxide	R22	1	13	21	61	10	148								1.0343										1.0343	1.66823
Nitrogen Dioxide	R22	1	14	21	62	10	148								1.0314										1.0314	1.66355
Nitrogen Dioxide	R22	1	15	21	62	10	148								1.0314										1.0314	1.66355
Nitrogen Dioxide	R22	1	16	21	63	10	148								1.0285										1.0285	1.65887
Nitrogen Dioxide	R22	1	17	20	67	10	148								1.0291										1.0291	1.65984
Nitrogen Dioxide	R22	1	18	19	72	10	148								1.0279										1.0279	1.6579
Nitrogen Dioxide	R22	1	19	18	74	10	148								1.0348										1.0348	1.66903
Nitrogen Dioxide	R22	1	20	18	74	10	148								1.0348										1.0348	1.66903
Nitrogen Dioxide	R22	1	21	18	75	10	148								1.0324										1.0324	1.66516
Nitrogen Dioxide	R22	1	22	18	76	10	148								1.03										1.03	1.66129
Nitrogen Dioxide	R22	1	23	18	75	10	148								1.0324										1.0324	1.66516
Nitrogen Dioxide	R22	1	24	17	76	10	132								1.0415										1.0415	1.67984
Nitrogen Dioxide	R22	2	1	17	78	10	132								1.0371										1.0371	1.67274
Nitrogen Dioxide	R22	2	2	17	80	10	132								1.0327										1.0327	1.66565
Nitrogen Dioxide	R22	2	3	17	81	10	132								1.0305										1.0305	1.6621
Nitrogen Dioxide	R22	2	4	17	82	10	132								1.0282										1.0282	1.65839
Nitrogen Dioxide	R22	2	5	16	83	10	132								1.0378										1.0378	1.67387
Nitrogen Dioxide	R22	2	6	16	83	10	132								1.0378										1.0378	1.67387
Nitrogen Dioxide	R22	2	7	16	83	10	132								1.0378										1.0378	1.67387
Nitrogen Dioxide	R22	2	8	17	81	10	148								1.0305										1.0305	1.6621
Nitrogen Dioxide	R22	2	9	18	77	10	148								1.0277										1.0277	1.65758
Nitrogen Dioxide	R22	2	10	19	73	10	148								1.0254										1.0254	1.65387
Nitrogen Dioxide	R22	2	11	20	70	10	148								1.021										1.021	1.64677
Nitrogen Dioxide	R22	2	12	20	68	10	148								1.0264										1.0264	1.65548
Nitrogen Dioxide	R22	2	13	21	65	10	148								1.0227										1.0227	1.64952
Nitrogen Dioxide	R22	2	14	21	65	10	148								1.0227										1.0227	1.64952
Nitrogen Dioxide	R22	2	15	21	66	10	148								1.0199										1.0199	1.645
Nitrogen Dioxide	R22	2	16	20	68	10	148								1.0264										1.0264	1.65548
Nitrogen Dioxide	R22	2	17	20	70	10	148								1.021										1.021	1.64677
Nitrogen Dioxide	R22	2	18	19	74	10	148								1.0228										1.0228	1.64968
Nitrogen Dioxide	R22	2	19	18	76	10	148								1.03										1.03	1.66129
Nitrogen Dioxide	R22	2	20	18	78	10	148								1.0253										1.0253	1.65371
Nitrogen Dioxide	R22	2	21	18	78	10	148								1.0253										1.0253	1.65371
Nitrogen Dioxide	R22	2	22	18	78	10	148								1.0253										1.0253	1.65371
Nitrogen Dioxide	R22	2	23	18	78	10	148								1.0253										1.0253	1.65371
Nitrogen Dioxide	R22	2	24	18	78	10	132								1.0253										1.0253	1.65371
Nitrogen Dioxide	R22	3	1	21	86	10	132								0.9622										0.9622	1.55194
Nitrogen Dioxide	R22	3	2	20	87	10	132								0.9751										0.9751	1.57274
Nitrogen Dioxide	R22	3	3	20	87	10	132								0.9751										0.9751	1.57274
Nitrogen Dioxide	R22	3	4	20	87	10	132								0.9751										0.9751	1.57274
Nitrogen Dioxide	R22	3	5	20	87	10	132								0.9751										0.9751	1.57274
Nitrogen Dioxide	R22	3	6	20	87	10	132								0.9751										0.9751	1.57274
Nitrogen Dioxide	R22	3	7	20	87	10	132								0.9751										0.9751	1.57274
Nitrogen Dioxide	R22	3	8	20	86	10	148								0.9778										0.9778	1.5771
Nitrogen Dioxide	R22	3	9	21	83	10	148								0.9709										0.9709	1.56597
Nitrogen Dioxide	R22	3	10	22	79	10	148								0.9672										0.9672	1.56
Nitrogen Dioxide	R22	3	11	22	78	10	148								0.9703										0.9703	1.565
Nitrogen Dioxide	R22	3	12	23	77	10	148								0.9578										0.9578	1.54484
Nitrogen Dioxide	R22	3	13	23	77	10	148								0.9578										0.9578	1.54484
Nitrogen Dioxide	R22	3	14	23	77	10	148								0.9578										0.9578	1.54484
Nitrogen Dioxide	R22	3	15	23	76	10	148								0.961										0.961	1.55
Nitrogen Dioxide	R22	3	16	23	77	10	148								0.9578										0.9578	1.54484
Nitrogen Dioxide	R22	3	17	22	79	10	148								0.9672										0.9672	1.56
Nitrogen Dioxide	R22	3	18	22	82	10	148								0.958										0.958	1.54516
Nitrogen Dioxide	R22	3	19	21	84	10	148								0.968										0.968	1.56129
Nitrogen Dioxide	R22	3	20	21	85	10	148								0.9651										0.9651	1.55661
Nitrogen Dioxide	R22	3	21	21	86	10	148								0.9622										0.9622	1.55194
Nitrogen Dioxide	R22	3	22	21	86	10	148								0.9622										0.9622	1.55194
Nitrogen Dioxide	R22	3	23	21	85	10	148								0.9651										0.9651	1.55661
Nitrogen Dioxide	R22	3	24	21	86	10	132								0.9622										0.9622	1.55194
Nitrogen Dioxide	R22	4	1	20	83	10	132								0.9859										0.9859	1.59016
Nitrogen Dioxide	R22	4	2	20	85	10	132								0.9805										0.9805	1.58145
Nitrogen Dioxide	R22	4	3	20	84	10	132								0.9832										0.9832	1.58581
Nitrogen Dioxide	R22	4	4	20	85	10	132								0.9805										0.9805	1.58145
Nitrogen Dioxide	R22	4	5	19	84	10	132								0.9975										0.9975	1.60887
Nitrogen Dioxide	R22	4	6	19	84	10	132								0.9975										0.9975	1.60887
Nitrogen Dioxide	R22	4	7	20	84	10	132								0.9832										0.9832	1.58581
Nitrogen Dioxide	R22	4	8	21	79	10	148								0.9824										0.9824	1.58452
Nitrogen Dioxide	R22	4	9	22	73	10	148								0.9857										0.9857	1.58984
Nitrogen Dioxide	R22	4	10	23	69	10	148								0.984										0.984	1.5871
Nitrogen Dioxide	R22	4	11	23	68	10	148								0.9873										0.9873	1.59242
Nitrogen Dioxide	R22	4	12	24	66	10	148								0.9797										0.9797	1.58016
Nitrogen Dioxide	R22	4	13	24	65	10	148								0.9832										0.9832	1.58581
Nitrogen Dioxide	R22	4	14	24	66	10	148								0.9797										0.9797	1.58016
Nitrogen Dioxide	R22	4	15	24	66	10	148								0.9797										0.9797	1.58016
Nitrogen Dioxide	R22	4	16	24	67	10	148								0.9762										0.9762	1.57452
Nitrogen Dioxide	R22	4	17	23	69	10	148								0.984										0.984	1.5871
Nitrogen Dioxide	R22	4	18	22	74	10	148								0.9826										0.9826	1.58484
Nitrogen Dioxide	R22	4	19	22	76	10	148								0.9765										0.9765	1.575
Nitrogen Dioxide	R22	4	20	21	79	10	148								0.9824										0.9824	1.58452
Nitrogen Dioxide	R22	4	21	21	80	10	148								0.9795										0.9795	1.57984
Nitrogen Dioxide	R22	4	22	21	81	10	148								0.9766										0.9766	1.57516

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:
(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.
(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Dioxide	R22	4	23	21	82	10	148								0.9737										0.9737	1.57048
Nitrogen Dioxide	R22	4	24	20	82	10	132								0.9886										0.9886	1.59452
Nitrogen Dioxide	R22	5	1	26	91	10	132								0.8501										0.8501	1.37113
Nitrogen Dioxide	R22	5	2	25	92	10	132								0.8681										0.8681	1.40016
Nitrogen Dioxide	R22	5	3	25	92	10	132								0.8681										0.8681	1.40016
Nitrogen Dioxide	R22	5	4	25	91	10	132								0.8718										0.8718	1.40613
Nitrogen Dioxide	R22	5	5	25	92	10	132								0.8681										0.8681	1.40016
Nitrogen Dioxide	R22	5	6	25	93	10	132								0.8644										0.8644	1.39419
Nitrogen Dioxide	R22	5	7	26	91	10	132								0.8501										0.8501	1.37113
Nitrogen Dioxide	R22	5	8	27	85	10	148								0.8525										0.8525	1.375
Nitrogen Dioxide	R22	5	9	28	80	10	148								0.8524										0.8524	1.37484
Nitrogen Dioxide	R22	5	10	28	78	10	148								0.8613										0.8613	1.38919
Nitrogen Dioxide	R22	5	11	29	77	10	148								0.8444										0.8444	1.36194
Nitrogen Dioxide	R22	5	12	29	75	10	148								0.8539										0.8539	1.37726
Nitrogen Dioxide	R22	5	13	29	74	10	148								0.8587										0.8587	1.385
Nitrogen Dioxide	R22	5	14	29	75	10	148								0.8539										0.8539	1.37726
Nitrogen Dioxide	R22	5	15	29	75	10	148								0.8539										0.8539	1.37726
Nitrogen Dioxide	R22	5	16	29	77	10	148								0.8444										0.8444	1.36194
Nitrogen Dioxide	R22	5	17	28	78	10	148								0.8613										0.8613	1.38919
Nitrogen Dioxide	R22	5	18	28	81	10	148								0.8479										0.8479	1.36758
Nitrogen Dioxide	R22	5	19	27	84	10	148								0.8567										0.8567	1.38177
Nitrogen Dioxide	R22	5	20	27	87	10	148								0.8441										0.8441	1.36145
Nitrogen Dioxide	R22	5	21	27	88	10	148								0.8399										0.8399	1.35468
Nitrogen Dioxide	R22	5	22	26	89	10	148								0.858										0.858	1.38387
Nitrogen Dioxide	R22	5	23	26	89	10	148								0.858										0.858	1.38387
Nitrogen Dioxide	R22	5	24	26	90	10	132								0.8541										0.8541	1.37758
Nitrogen Dioxide	R22	6	1	26	88	10	132								0.8166										0.8166	1.3171
Nitrogen Dioxide	R22	6	2	27	89	10	132								0.8357										0.8357	1.3479
Nitrogen Dioxide	R22	6	3	27	89	10	132								0.8357										0.8357	1.3479
Nitrogen Dioxide	R22	6	4	27	88	10	132								0.8399										0.8399	1.35468
Nitrogen Dioxide	R22	6	5	27	89	10	132								0.8357										0.8357	1.3479
Nitrogen Dioxide	R22	6	6	27	90	10	132								0.8315										0.8315	1.34113
Nitrogen Dioxide	R22	6	7	28	87	10	132								0.8211										0.8211	1.32435
Nitrogen Dioxide	R22	6	8	29	82	10	148								0.8207										0.8207	1.32371
Nitrogen Dioxide	R22	6	9	29	79	10	148								0.8349										0.8349	1.34661
Nitrogen Dioxide	R22	6	10	30	76	10	148								0.827										0.827	1.33387
Nitrogen Dioxide	R22	6	11	30	75	10	148								0.8321										0.8321	1.3421
Nitrogen Dioxide	R22	6	12	30	74	10	148								0.8371										0.8371	1.35016
Nitrogen Dioxide	R22	6	13	31	73	10	148								0.8198										0.8198	1.32226
Nitrogen Dioxide	R22	6	14	31	72	10	148								0.8252										0.8252	1.33097
Nitrogen Dioxide	R22	6	15	30	74	10	148								0.8371										0.8371	1.35016
Nitrogen Dioxide	R22	6	16	30	74	10	148								0.8371										0.8371	1.35016
Nitrogen Dioxide	R22	6	17	30	75	10	148								0.8321										0.8321	1.3421
Nitrogen Dioxide	R22	6	18	29	79	10	148								0.8349										0.8349	1.34661
Nitrogen Dioxide	R22	6	19	29	81	10	148								0.8254										0.8254	1.33129
Nitrogen Dioxide	R22	6	20	28	83	10	148								0.839										0.839	1.35323
Nitrogen Dioxide	R22	6	21	28	85	10	148								0.83										0.83	1.33871
Nitrogen Dioxide	R22	6	22	28	86	10	148								0.8256										0.8256	1.33161
Nitrogen Dioxide	R22	6	23	28	87	10	148								0.8211										0.8211	1.32435
Nitrogen Dioxide	R22	6	24	28	87	10	132								0.8211										0.8211	1.32435
Nitrogen Dioxide	R22	7	1	28	84	10	132								0.8345										0.8345	1.34597
Nitrogen Dioxide	R22	7	2	28	84	10	132								0.8345										0.8345	1.34597
Nitrogen Dioxide	R22	7	3	28	86	10	132								0.8256										0.8256	1.33161
Nitrogen Dioxide	R22	7	4	28	86	10	132								0.8256										0.8256	1.33161
Nitrogen Dioxide	R22	7	5	28	88	10	132								0.8166										0.8166	1.3171
Nitrogen Dioxide	R22	7	6	27	88	10	132								0.8399										0.8399	1.35468
Nitrogen Dioxide	R22	7	7	28	86	10	132								0.8256										0.8256	1.33161
Nitrogen Dioxide	R22	7	8	29	81	10	148								0.8254										0.8254	1.33129
Nitrogen Dioxide	R22	7	9	30	76	10	148								0.827										0.827	1.33387
Nitrogen Dioxide	R22	7	10	31	70	10	148								0.8358										0.8358	1.34806
Nitrogen Dioxide	R22	7	11	31	68	10	148								0.8465										0.8465	1.36532
Nitrogen Dioxide	R22	7	12	32	67	10	148								0.8304										0.8304	1.33935
Nitrogen Dioxide	R22	7	13	32	66	10	148								0.8361										0.8361	1.34855
Nitrogen Dioxide	R22	7	14	32	66	10	148								0.8361										0.8361	1.34855
Nitrogen Dioxide	R22	7	15	31	68	10	148								0.8465										0.8465	1.36532
Nitrogen Dioxide	R22	7	16	31	69	10	148								0.8412										0.8412	1.35677
Nitrogen Dioxide	R22	7	17	31	70	10	148								0.8358										0.8358	1.34806
Nitrogen Dioxide	R22	7	18	30	73	10	148								0.8421										0.8421	1.35823
Nitrogen Dioxide	R22	7	19	29	76	10	148								0.8492										0.8492	1.36968
Nitrogen Dioxide	R22	7	20	29	79	10	148								0.8349										0.8349	1.34661
Nitrogen Dioxide	R22	7	21	29	81	10	148								0.8254										0.8254	1.33129
Nitrogen Dioxide	R22	7	22	29	82	10	148								0.8207										0.8207	1.32371
Nitrogen Dioxide	R22	7	23	28	83	10	148								0.839										0.839	1.35323
Nitrogen Dioxide	R22	7	24	28	84	10	132								0.8345										0.8345	1.34597
Nitrogen Dioxide	R22	8	1	27	90	10	132								0.8315										0.8315	1.34113
Nitrogen Dioxide	R22	8	2	26	90	10	132								0.8541										0.8541	1.37758
Nitrogen Dioxide	R22	8	3	26	91	10	132								0.8501										0.8501	1.37113
Nitrogen Dioxide	R22	8	4	26	92	10	132								0.8462										0.8462	1.36484
Nitrogen Dioxide	R22	8	5	26	93	10	132								0.8422										0.8422	1.35839
Nitrogen Dioxide	R22	8	6	26	94	10	132								0.8383										0.8383	1.3521
Nitrogen Dioxide	R22	8	7	26	93	10	132								0.8422										0.8422	1.35839
Nitrogen Dioxide	R22	8	8	27	87	10	148								0.8441										0.8441	1.36145
Nitrogen Dioxide	R22	8	9	29	81	10	148								0.8254										0.8254	1.33129
Nitrogen Dioxide	R22	8	10	30	76	10	148								0.827										0.827	1.33387
Nitrogen Dioxide	R22	8	11	30	73	10	148								0.8421										0.8421	1.35823
Nitrogen Dioxide	R22	8	12	30	73	10	148								0.8421										0.8421	1.35823
Nitrogen Dioxide	R22	8	13	30	74	10	148								0.8371										0.8371	1.35016
Nitrogen Dioxide	R22	8	14	30	74	10	148								0.8371										0.8371	1.35016
Nitrogen Dioxide	R22	8	15	30	75	10	148								0.8321										0.8321	1.3421
Nitrogen Dioxide	R22	8	16	29	77	10	148								0.8444										0.8444	1.36194
Nitrogen Dioxide	R22	8	17	29	79	10	148								0.8349										0.8349	1.34661
Nitrogen Dioxide	R22	8	18	28	80	10	148								0.8524										0.8524	1.37484
Nitrogen Dioxide	R22	8	19	28	82	10	148								0.8435										0.8435	1.36048
Nitrogen Dioxide	R22	8	20	28	84	10	148								0.8345										0.8345	1.34597
Nitrogen Dioxide	R22	8	21	27	85	10	148								0.8525										0.8525	1.375
Nitrogen Dioxide	R22	8	22	27	87	10	148								0.8441										0.8441	1.36145
Nitrogen Dioxide	R22	8	23	27	88	10	148								0.8399										0.8399	1.35468
Nitrogen Dioxide	R22	8	24	27	89	10	132								0.8357										0.8357	1.3479
Nitrogen Dioxide	R22	9	1	27	89	10	132								0.8357										0.8357	1.3479
Nitrogen Dioxide	R22	9	2	26	89	10	132								0.858										0.858	1.38387
Nitrogen Dioxide	R22	9	3	26	91	10	132								0.8501										0.8501	1.37113
Nitrogen Dioxide	R22	9	4	26	92	10	132								0.8462										0.8462	1.36484
Nitrogen Dioxide	R22	9	5	26	92	10	132								0.8462										0.8462	1.36484
Nitrogen Dioxide	R22	9	6	26	93	10	132								0.8422										0.8422	1.35839
Nitrogen Dioxide	R22	9	7	26	93	10	132								0.8422										0.8422	1.35839
Nitrogen Dioxide	R22	9	8	27	88	10	148								0.8399										0.8399	1.35468
Nitrogen Dioxide	R22	9	9	28	83	10	148								0.839										0.839	1.35323
Nitrogen Dioxide	R22	9	10	29	78	10	148								0.8397										0.8397	1.35435
Nitrogen Dioxide	R22	9	11	29	76	10	148								0.8492										0.8492	1.36968
Nitrogen Dioxide	R22	9	12	29	76	10	148								0.8492										0.8492	1.36968
Nitrogen Dioxide	R22	9	13	30	75	10	148								0.8321										0.8321	1.3421
Nitrogen Dioxide	R22	9	14	29	75	10	148								0.8539										0.8539	1.37726
Nitrogen Dioxide	R22	9	15	29	77	10	148								0.8444										0.8444	1.36194
Nitrogen Dioxide	R22	9	16	29	76	10	148								0.8492										0.8492	1.36968
Nitrogen Dioxide	R22	9	17	29	78	10	148								0.8397										0.8397	1.35435
Nitrogen Dioxide	R22	9	18	28	81	10	148								0.8479										0.8479	1.36758
Nitrogen Dioxide	R22	9	19	27	84	10	148								0.8567										0.8567	1.38177
Nitrogen Dioxide	R22	9	20	27	86	10	148								0.8483										0.8483	1.36823
Nitrogen Dioxide	R22	9	21	27	87	10	148								0.8441										0.8441	1.36145
Nitrogen Dioxide	R22	9	22	27	89	10	148								0.8357										0.8357	1.3479
Nitrogen Dioxide	R22	9	23	27	89	10	148								0.8357										0.8357	1.3479
Nitrogen Dioxide	R22	9	24	26	89	10	132								0.858										0.858	1.38387
Nitrogen Dioxide	R22	10	1	24	74	10	132								0.9517										0.9517	1.535
Nitrogen Dioxide	R22	10	2	23	74	10	132								0.9676										0.9676	1.56065
Nitrogen Dioxide	R22	10	3	23	74	10	132								0.9676										0.9676	1.56065
Nitrogen Dioxide	R22	10	4	23	75	10	132								0.9643										0.9643	1.55532
Nitrogen Dioxide	R22	10	5	23	74	10	132								0.9676										0.9676	1.56065
Nitrogen Dioxide	R22	10	6	23	75	10	132								0.9643										0.9643	1.55532
Nitrogen Dioxide	R22	10	7	23	75	10	132								0.9643										0.9643	1.55532
Nitrogen Dioxide	R22	10	8	23	72	10	148								0.9742										0.9742	1.57129
Nitrogen Dioxide	R22	10	9	24	69	10	148								0.9692										0.9692	1.56323
Nitrogen Dioxide	R22	10	10	25	64	10	148								0.9722										0.9722	1.56806
Nitrogen Dioxide	R22	10	11	26	61	10	148								0.9688										0.9688	1.56258
Nitrogen Dioxide	R22	10	12	27	60	10	148								0.9577										0.9577	1.54468
Nitrogen Dioxide	R22	10	13	27	59	10	148								0.9619										0.9619	1.55145
Nitrogen Dioxide	R22	10	14	27	59	10	148								0.9619										0.9619	1.55145
Nitrogen Dioxide	R22	10	15	27	60	10	148								0.9577										0.9577	1.54468
Nitrogen Dioxide	R22	10	16	27	62	10	148								0.9492										0.9492	1.53097
Nitrogen Dioxide	R22	10	17	26	65	10	148								0.953										0.953	1.5371
Nitrogen Dioxide	R22	10	18	25	67	10	148								0.961										0.961	1.55
Nitrogen Dioxide	R22	10	19	25	69	10	148								0.9536										0.9536	1.53806
Nitrogen Dioxide	R22	10	20	25	71	10	148								0.9462										0.9462	1.52613
Nitrogen Dioxide	R22	10	21	24	71	10	148								0.9622										0.9622	1.55194
Nitrogen Dioxide	R22	10	22	24	71	10	148								0.9622										0.9622	1.55194
Nitrogen Dioxide	R22	10	23	24	72	10	148								0.9587										0.9587	1.54629
Nitrogen Dioxide	R22	10	24	24	72	10	132								0.9587										0.9587	1.54629
Nitrogen Dioxide	R22	11	1	21	75	10	132								0.9939										0.9939	1.60306
Nitrogen Dioxide	R22	11	2	21	74	10	132								0.9968										0.9968	1.60774
Nitrogen Dioxide	R22	11	3	21	74	10	132								0.9968										0.9968	1.60774

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:
(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.
(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Dioxide	R22	11	4	21	74	10	132								0.9968										0.9968	1.60774
Nitrogen Dioxide	R22	11	5	21	74	10	132								0.9968										0.9968	1.60774
Nitrogen Dioxide	R22	11	6	21	73	10	132								0.9997										0.9997	1.61242
Nitrogen Dioxide	R22	11	7	21	73	10	132								0.9997										0.9997	1.61242
Nitrogen Dioxide	R22	11	8	21	70	10	148								1.0083										1.0083	1.62629
Nitrogen Dioxide	R22	11	9	22	66	10	148								1.0072										1.0072	1.62452
Nitrogen Dioxide	R22	11	10	23	61	10	148								1.0102										1.0102	1.62935
Nitrogen Dioxide	R22	11	11	25	57	10	148								0.9982										0.9982	1.61
Nitrogen Dioxide	R22	11	12	25	56	10	148								1.0019										1.0019	1.61597
Nitrogen Dioxide	R22	11	13	25	56	10	148								1.0019										1.0019	1.61597
Nitrogen Dioxide	R22	11	14	26	56	10	148								0.9885										0.9885	1.59435
Nitrogen Dioxide	R22	11	15	26	57	10	148								0.9846										0.9846	1.58806
Nitrogen Dioxide	R22	11	16	25	58	10	148								0.9945										0.9945	1.60403
Nitrogen Dioxide	R22	11	17	24	63	10	148								0.9901										0.9901	1.59694
Nitrogen Dioxide	R22	11	18	23	66	10	148								0.9938										0.9938	1.6029
Nitrogen Dioxide	R22	11	19	23	70	10	148								0.9807										0.9807	1.58177
Nitrogen Dioxide	R22	11	20	22	70	10	148								0.9949										0.9949	1.60468
Nitrogen Dioxide	R22	11	21	22	72	10	148								0.9888										0.9888	1.59484
Nitrogen Dioxide	R22	11	22	22	74	10	148								0.9826										0.9826	1.58484
Nitrogen Dioxide	R22	11	23	22	74	10	148								0.9826										0.9826	1.58484
Nitrogen Dioxide	R22	11	24	21	74	10	132								0.9968										0.9968	1.60774
Nitrogen Dioxide	R22	12	1	16	68	10	132								1.069										1.069	1.72419
Nitrogen Dioxide	R22	12	2	16	69	10	132								1.0669										1.0669	1.72081
Nitrogen Dioxide	R22	12	3	16	69	10	132								1.0669										1.0669	1.72081
Nitrogen Dioxide	R22	12	4	15	70	10	132								1.0742										1.0742	1.73258
Nitrogen Dioxide	R22	12	5	15	70	10	132								1.0742										1.0742	1.73258
Nitrogen Dioxide	R22	12	6	15	70	10	132								1.0742										1.0742	1.73258
Nitrogen Dioxide	R22	12	7	15	70	10	132								1.0742										1.0742	1.73258
Nitrogen Dioxide	R22	12	8	15	69	10	148								1.0761										1.0761	1.73565
Nitrogen Dioxide	R22	12	9	16	65	10	148								1.0752										1.0752	1.73419
Nitrogen Dioxide	R22	12	10	17	62	10	148								1.0726										1.0726	1.73
Nitrogen Dioxide	R22	12	11	18	58	10	148								1.0727										1.0727	1.73016
Nitrogen Dioxide	R22	12	12	19	57	10	148								1.0658										1.0658	1.71903
Nitrogen Dioxide	R22	12	13	19	56	10	148								1.0684										1.0684	1.72323
Nitrogen Dioxide	R22	12	14	19	56	10	148								1.0684										1.0684	1.72323
Nitrogen Dioxide	R22	12	15	19	56	10	148								1.0684										1.0684	1.72323
Nitrogen Dioxide	R22	12	16	19	57	10	148								1.0658										1.0658	1.71903
Nitrogen Dioxide	R22	12	17	18	60	10	148								1.0679										1.0679	1.72242
Nitrogen Dioxide	R22	12	18	18	64	10	148								1.0584										1.0584	1.7071
Nitrogen Dioxide	R22	12	19	17	65	10	148								1.0659										1.0659	1.71919
Nitrogen Dioxide	R22	12	20	17	66	10	148								1.0637										1.0637	1.71565
Nitrogen Dioxide	R22	12	21	17	66	10	148								1.0637										1.0637	1.71565
Nitrogen Dioxide	R22	12	22	16	66	10	148								1.0731										1.0731	1.73081
Nitrogen Dioxide	R22	12	23	16	66	10	148								1.0731										1.0731	1.73081
Nitrogen Dioxide	R22	12	24	16	67	10	132								1.071										1.071	1.72742
Nitrogen Dioxide	R25	1	1	17	76	10	0								1.0415										0	0
Nitrogen Dioxide	R25	1	2	17	77	10	0								1.0393										0	0
Nitrogen Dioxide	R25	1	3	17	77	10	0								1.0393										0	0
Nitrogen Dioxide	R25	1	4	17	77	10	0								1.0393										0	0
Nitrogen Dioxide	R25	1	5	17	78	10	0								1.0371										0	0
Nitrogen Dioxide	R25	1	6	17	77	10	0								1.0393										0	0
Nitrogen Dioxide	R25	1	7	16	77	10	0								1.0503										0	0
Nitrogen Dioxide	R25	1	8	17	77	10	0								1.0393										0	0
Nitrogen Dioxide	R25	1	9	17	73	10	17								1.0482										1.0482	1.69065
Nitrogen Dioxide	R25	1	10	19	69	10	17								1.0355										1.0355	1.67016
Nitrogen Dioxide	R25	1	11	20	64	10	17								1.0372										1.0372	1.6729
Nitrogen Dioxide	R25	1	12	21	62	10	17								1.0314										1.0314	1.66355
Nitrogen Dioxide	R25	1	13	21	61	10	17								1.0343										1.0343	1.66823
Nitrogen Dioxide	R25	1	14	21	62	10	17								1.0314										1.0314	1.66355
Nitrogen Dioxide	R25	1	15	21	62	10	17								1.0314										1.0314	1.66355
Nitrogen Dioxide	R25	1	16	21	63	10	17								1.0285										1.0285	1.65887
Nitrogen Dioxide	R25	1	17	20	67	10	17								1.0291										1.0291	1.65984
Nitrogen Dioxide	R25	1	18	19	72	10	17								1.0279										1.0279	1.6579
Nitrogen Dioxide	R25	1	19	18	74	10	17								1.0348										1.0348	1.66903
Nitrogen Dioxide	R25	1	20	18	74	10	17								1.0348										1.0348	1.66903
Nitrogen Dioxide	R25	1	21	18	75	10	0								1.0324										0	0
Nitrogen Dioxide	R25	1	22	18	76	10	0								1.03										0	0
Nitrogen Dioxide	R25	1	23	18	75	10	0								1.0324										0	0
Nitrogen Dioxide	R25	1	24	17	76	10	0								1.0415										0	0
Nitrogen Dioxide	R25	2	1	17	78	10	0								1.0371										0	0
Nitrogen Dioxide	R25	2	2	17	80	10	0								1.0327										0	0
Nitrogen Dioxide	R25	2	3	17	81	10	0								1.0305										0	0
Nitrogen Dioxide	R25	2	4	17	82	10	0								1.0282										0	0
Nitrogen Dioxide	R25	2	5	16	83	10	0								1.0378										0	0
Nitrogen Dioxide	R25	2	6	16	83	10	0								1.0378										0	0
Nitrogen Dioxide	R25	2	7	16	83	10	0								1.0378										0	0
Nitrogen Dioxide	R25	2	8	17	81	10	0								1.0305										0	0
Nitrogen Dioxide	R25	2	9	18	77	10	17								1.0277										1.0277	1.65758
Nitrogen Dioxide	R25	2	10	19	73	10	17								1.0254										1.0254	1.65387
Nitrogen Dioxide	R25	2	11	20	70	10	17								1.021										1.021	1.64677
Nitrogen Dioxide	R25	2	12	20	68	10	17								1.0264										1.0264	1.65548
Nitrogen Dioxide	R25	2	13	21	65	10	17								1.0227										1.0227	1.64952
Nitrogen Dioxide	R25	2	14	21	65	10	17								1.0227										1.0227	1.64952
Nitrogen Dioxide	R25	2	15	21	66	10	17								1.0199										1.0199	1.645
Nitrogen Dioxide	R25	2	16	20	68	10	17								1.0264										1.0264	1.65548
Nitrogen Dioxide	R25	2	17	20	70	10	17								1.021										1.021	1.64677
Nitrogen Dioxide	R25	2	18	19	74	10	17								1.0228										1.0228	1.64968
Nitrogen Dioxide	R25	2	19	18	76	10	17								1.03										1.03	1.66129
Nitrogen Dioxide	R25	2	20	18	78	10	17								1.0253										1.0253	1.65371
Nitrogen Dioxide	R25	2	21	18	78	10	0								1.0253										0	0
Nitrogen Dioxide	R25	2	22	18	78	10	0								1.0253										0	0
Nitrogen Dioxide	R25	2	23	18	78	10	0								1.0253										0	0
Nitrogen Dioxide	R25	2	24	18	78	10	0								1.0253										0	0
Nitrogen Dioxide	R25	3	1	21	86	10	0								0.9622										0	0
Nitrogen Dioxide	R25	3	2	20	87	10	0								0.9751										0	0
Nitrogen Dioxide	R25	3	3	20	87	10	0								0.9751										0	0
Nitrogen Dioxide	R25	3	4	20	87	10	0								0.9751										0	0
Nitrogen Dioxide	R25	3	5	20	87	10	0								0.9751										0	0
Nitrogen Dioxide	R25	3	6	20	87	10	0								0.9751										0	0
Nitrogen Dioxide	R25	3	7	20	87	10	0								0.9751										0	0
Nitrogen Dioxide	R25	3	8	20	86	10	0								0.9778										0	0
Nitrogen Dioxide	R25	3	9	21	83	10	17								0.9709										0.9709	1.56597
Nitrogen Dioxide	R25	3	10	22	79	10	17								0.9672										0.9672	1.56
Nitrogen Dioxide	R25	3	11	22	78	10	17								0.9703										0.9703	1.565
Nitrogen Dioxide	R25	3	12	23	77	10	17								0.9578										0.9578	1.54484
Nitrogen Dioxide	R25	3	13	23	77	10	17								0.9578										0.9578	1.54484
Nitrogen Dioxide	R25	3	14	23	77	10	17								0.9578										0.9578	1.54484
Nitrogen Dioxide	R25	3	15	23	76	10	17								0.961										0.961	1.55
Nitrogen Dioxide	R25	3	16	23	77	10	17								0.9578										0.9578	1.54484
Nitrogen Dioxide	R25	3	17	22	79	10	17								0.9672										0.9672	1.56
Nitrogen Dioxide	R25	3	18	22	82	10	17								0.958										0.958	1.54516
Nitrogen Dioxide	R25	3	19	21	84	10	17								0.968										0.968	1.56129
Nitrogen Dioxide	R25	3	20	21	85	10	17								0.9651										0.9651	1.55661
Nitrogen Dioxide	R25	3	21	21	86	10	0								0.9622										0	0
Nitrogen Dioxide	R25	3	22	21	86	10	0								0.9622										0	0
Nitrogen Dioxide	R25	3	23	21	85	10	0								0.9651										0	0
Nitrogen Dioxide	R25	3	24	21	86	10	0								0.9622										0	0
Nitrogen Dioxide	R25	4	1	20	83	10	0								0.9859										0	0
Nitrogen Dioxide	R25	4	2	20	85	10	0								0.9805										0	0
Nitrogen Dioxide	R25	4	3	20	84	10	0								0.9832										0	0
Nitrogen Dioxide	R25	4	4	20	85	10	0								0.9805										0	0
Nitrogen Dioxide	R25	4	5	19	84	10	0								0.9975										0	0
Nitrogen Dioxide	R25	4	6	19	84	10	0								0.9975										0	0
Nitrogen Dioxide	R25	4	7	20	84	10	0								0.9832										0	0
Nitrogen Dioxide	R25	4	8	21	79	10	0								0.9824										0	0
Nitrogen Dioxide	R25	4	9	22	73	10	17								0.9857										0.9857	1.58984
Nitrogen Dioxide	R25	4	10	23	69	10	17								0.984										0.984	1.5871
Nitrogen Dioxide	R25	4	11	23	68	10	17								0.9873										0.9873	1.59242
Nitrogen Dioxide	R25	4	12	24	66	10	17								0.9797										0.9797	1.58016
Nitrogen Dioxide	R25	4	13	24	65	10	17								0.9832										0.9832	1.58581
Nitrogen Dioxide	R25	4	14	24	66	10	17								0.9797										0.9797	1.58016
Nitrogen Dioxide	R25	4	15	24	66	10	17								0.9797										0.9797	1.58016
Nitrogen Dioxide	R25	4	16	24	67	10	17								0.9762										0.9762	1.57452
Nitrogen Dioxide	R25	4	17	23	69	10	17								0.984										0.984	1.5871
Nitrogen Dioxide	R25	4	18	22	74	10	17								0.9826										0.9826	1.58484
Nitrogen Dioxide	R25	4	19	22	76	10	17								0.9765										0.9765	1.575
Nitrogen Dioxide	R25	4	20	21	79	10	17								0.9824										0.9824	1.58452
Nitrogen Dioxide	R25	4	21	21	80	10	0								0.9795										0	0
Nitrogen Dioxide	R25	4	22	21	81	10	0								0.9766										0	0
Nitrogen Dioxide	R25	4	23	21	82	10	0								0.9737										0	0
Nitrogen Dioxide	R25	4	24	20	82	10	0								0.9886										0	0
Nitrogen Dioxide	R25	5	1	26	91	10	0								0.8501										0	0
Nitrogen Dioxide	R25	5	2	25	92	10	0								0.8681										0	0
Nitrogen Dioxide	R25	5	3	25	92	10	0								0.8681										0	0
Nitrogen Dioxide	R25	5	4	25	91	10	0								0.8718										0	0
Nitrogen Dioxide	R25	5	5	25	92	10	0								0.8681										0	0
Nitrogen Dioxide	R25	5	6	25	93	10	0								0.8644										0	0
Nitrogen Dioxide	R25	5	7	26	91	10	0								0.8501										0	0
Nitrogen Dioxide	R25	5	8	27	85	10	0								0.8525										0	0

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:
(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.
(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Dioxide	R25	5	9	28	80	10	17								0.8524										0.8524	1.37484
Nitrogen Dioxide	R25	5	10	28	78	10	17								0.8613										0.8613	1.38919
Nitrogen Dioxide	R25	5	11	29	77	10	17								0.8444										0.8444	1.36194
Nitrogen Dioxide	R25	5	12	29	75	10	17								0.8539										0.8539	1.37726
Nitrogen Dioxide	R25	5	13	29	74	10	17								0.8587										0.8587	1.385
Nitrogen Dioxide	R25	5	14	29	75	10	17								0.8539										0.8539	1.37726
Nitrogen Dioxide	R25	5	15	29	75	10	17								0.8539										0.8539	1.37726
Nitrogen Dioxide	R25	5	16	29	77	10	17								0.8444										0.8444	1.36194
Nitrogen Dioxide	R25	5	17	28	78	10	17								0.8613										0.8613	1.38919
Nitrogen Dioxide	R25	5	18	28	81	10	17								0.8479										0.8479	1.36758
Nitrogen Dioxide	R25	5	19	27	84	10	17								0.8567										0.8567	1.38177
Nitrogen Dioxide	R25	5	20	27	87	10	17								0.8441										0.8441	1.36145
Nitrogen Dioxide	R25	5	21	27	88	10	0								0.8399										0	0
Nitrogen Dioxide	R25	5	22	26	89	10	0								0.858										0	0
Nitrogen Dioxide	R25	5	23	26	89	10	0								0.858										0	0
Nitrogen Dioxide	R25	5	24	26	90	10	0								0.8541										0	0
Nitrogen Dioxide	R25	6	1	28	88	10	0								0.8166										0	0
Nitrogen Dioxide	R25	6	2	27	89	10	0								0.8357										0	0
Nitrogen Dioxide	R25	6	3	27	89	10	0								0.8357										0	0
Nitrogen Dioxide	R25	6	4	27	88	10	0								0.8399										0	0
Nitrogen Dioxide	R25	6	5	27	89	10	0								0.8357										0	0
Nitrogen Dioxide	R25	6	6	27	90	10	0								0.8315										0	0
Nitrogen Dioxide	R25	6	7	28	87	10	0								0.8211										0	0
Nitrogen Dioxide	R25	6	8	29	82	10	0								0.8207										0	0
Nitrogen Dioxide	R25	6	9	29	79	10	17								0.8349										0.8349	1.34661
Nitrogen Dioxide	R25	6	10	30	76	10	17								0.827										0.827	1.33387
Nitrogen Dioxide	R25	6	11	30	75	10	17								0.8321										0.8321	1.3421
Nitrogen Dioxide	R25	6	12	30	74	10	17								0.8371										0.8371	1.35016
Nitrogen Dioxide	R25	6	13	31	73	10	17								0.8198										0.8198	1.32226
Nitrogen Dioxide	R25	6	14	31	72	10	17								0.8252										0.8252	1.33097
Nitrogen Dioxide	R25	6	15	30	74	10	17								0.8371										0.8371	1.35016
Nitrogen Dioxide	R25	6	16	30	74	10	17								0.8371										0.8371	1.35016
Nitrogen Dioxide	R25	6	17	30	75	10	17								0.8321										0.8321	1.3421
Nitrogen Dioxide	R25	6	18	29	79	10	17								0.8349										0.8349	1.34661
Nitrogen Dioxide	R25	6	19	29	81	10	17								0.8254										0.8254	1.33129
Nitrogen Dioxide	R25	6	20	28	83	10	17								0.839										0.839	1.35323
Nitrogen Dioxide	R25	6	21	28	85	10	0								0.83										0	0
Nitrogen Dioxide	R25	6	22	28	86	10	0								0.8256										0	0
Nitrogen Dioxide	R25	6	23	28	87	10	0								0.8211										0	0
Nitrogen Dioxide	R25	6	24	28	87	10	0								0.8211										0	0
Nitrogen Dioxide	R25	7	1	28	84	10	0								0.8345										0	0
Nitrogen Dioxide	R25	7	2	28	84	10	0								0.8345										0	0
Nitrogen Dioxide	R25	7	3	28	86	10	0								0.8256										0	0
Nitrogen Dioxide	R25	7	4	28	86	10	0								0.8256										0	0
Nitrogen Dioxide	R25	7	5	28	88	10	0								0.8166										0	0
Nitrogen Dioxide	R25	7	6	27	88	10	0								0.8399										0	0
Nitrogen Dioxide	R25	7	7	28	86	10	0								0.8256										0	0
Nitrogen Dioxide	R25	7	8	29	81	10	0								0.8254										0	0
Nitrogen Dioxide	R25	7	9	30	76	10	17								0.827										0.827	1.33387
Nitrogen Dioxide	R25	7	10	31	70	10	17								0.8358										0.8358	1.34806
Nitrogen Dioxide	R25	7	11	31	68	10	17								0.8465										0.8465	1.36532
Nitrogen Dioxide	R25	7	12	32	67	10	17								0.8304										0.8304	1.33935
Nitrogen Dioxide	R25	7	13	32	66	10	17								0.8361										0.8361	1.34855
Nitrogen Dioxide	R25	7	14	32	66	10	17								0.8361										0.8361	1.34855
Nitrogen Dioxide	R25	7	15	31	68	10	17								0.8465										0.8465	1.36532
Nitrogen Dioxide	R25	7	16	31	69	10	17								0.8412										0.8412	1.35677
Nitrogen Dioxide	R25	7	17	31	70	10	17								0.8358										0.8358	1.34806
Nitrogen Dioxide	R25	7	18	30	73	10	17								0.8421										0.8421	1.35823
Nitrogen Dioxide	R25	7	19	29	76	10	17								0.8492										0.8492	1.36968
Nitrogen Dioxide	R25	7	20	29	79	10	17								0.8349										0.8349	1.34661
Nitrogen Dioxide	R25	7	21	29	81	10	0								0.8254										0	0
Nitrogen Dioxide	R25	7	22	29	82	10	0								0.8207										0	0
Nitrogen Dioxide	R25	7	23	28	83	10	0								0.839										0	0
Nitrogen Dioxide	R25	7	24	28	84	10	0								0.8345										0	0
Nitrogen Dioxide	R25	8	1	27	90	10	0								0.8315										0	0
Nitrogen Dioxide	R25	8	2	26	90	10	0								0.8541										0	0
Nitrogen Dioxide	R25	8	3	26	91	10	0								0.8501										0	0
Nitrogen Dioxide	R25	8	4	26	92	10	0								0.8462										0	0
Nitrogen Dioxide	R25	8	5	26	93	10	0								0.8422										0	0
Nitrogen Dioxide	R25	8	6	26	94	10	0								0.8383										0	0
Nitrogen Dioxide	R25	8	7	26	93	10	0								0.8422										0	0
Nitrogen Dioxide	R25	8	8	27	87	10	0								0.8441										0	0
Nitrogen Dioxide	R25	8	9	29	81	10	17								0.8254										0.8254	1.33129
Nitrogen Dioxide	R25	8	10	30	76	10	17								0.827										0.827	1.33387
Nitrogen Dioxide	R25	8	11	30	73	10	17								0.8421										0.8421	1.35823
Nitrogen Dioxide	R25	8	12	30	73	10	17								0.8421										0.8421	1.35823
Nitrogen Dioxide	R25	8	13	30	74	10	17								0.8371										0.8371	1.35016
Nitrogen Dioxide	R25	8	14	30	74	10	17								0.8371										0.8371	1.35016
Nitrogen Dioxide	R25	8	15	30	75	10	17								0.8321										0.8321	1.3421
Nitrogen Dioxide	R25	8	16	29	77	10	17								0.8444										0.8444	1.36194
Nitrogen Dioxide	R25	8	17	29	79	10	17								0.8349										0.8349	1.34661
Nitrogen Dioxide	R25	8	18	28	80	10	17								0.8524										0.8524	1.37484
Nitrogen Dioxide	R25	8	19	28	82	10	17								0.8430										0.8435	1.36048
Nitrogen Dioxide	R25	8	20	28	84	10	17								0.8345										0.8345	1.34597
Nitrogen Dioxide	R25	8	21	27	85	10	0								0.8525										0	0
Nitrogen Dioxide	R25	8	22	27	87	10	0								0.8441										0	0
Nitrogen Dioxide	R25	8	23	27	88	10	0								0.8399										0	0
Nitrogen Dioxide	R25	8	24	27	89	10	0								0.8357										0	0
Nitrogen Dioxide	R25	9	1	27	89	10	0								0.8357										0	0
Nitrogen Dioxide	R25	9	2	26	89	10	0								0.858										0	0
Nitrogen Dioxide	R25	9	3	26	91	10	0								0.8501										0	0
Nitrogen Dioxide	R25	9	4	26	92	10	0								0.8462										0	0
Nitrogen Dioxide	R25	9	5	26	92	10	0								0.8462										0	0
Nitrogen Dioxide	R25	9	6	26	93	10	0								0.8422										0	0
Nitrogen Dioxide	R25	9	7	26	93	10	0								0.8422										0	0
Nitrogen Dioxide	R25	9	8	27	88	10	0								0.8399										0	0
Nitrogen Dioxide	R25	9	9	28	83	10	17								0.839										0.839	1.35323
Nitrogen Dioxide	R25	9	10	29	78	10	17								0.8397										0.8397	1.35435
Nitrogen Dioxide	R25	9	11	29	76	10	17								0.8492										0.8492	1.36968
Nitrogen Dioxide	R25	9	12	29	76	10	17								0.8492										0.8492	1.36968
Nitrogen Dioxide	R25	9	13	30	75	10	17								0.8321										0.8321	1.3421
Nitrogen Dioxide	R25	9	14	29	75	10	17								0.8539										0.8539	1.37726
Nitrogen Dioxide	R25	9	15	29	77	10	17								0.8444										0.8444	1.36194
Nitrogen Dioxide	R25	9	16	29	76	10	17								0.8492										0.8492	1.36968
Nitrogen Dioxide	R25	9	17	29	78	10	17								0.8397										0.8397	1.35435
Nitrogen Dioxide	R25	9	18	28	81	10	17								0.8479										0.8479	1.36758
Nitrogen Dioxide	R25	9	19	27	84	10	17								0.8567										0.8567	1.38177
Nitrogen Dioxide	R25	9	20	27	86	10	17								0.8483										0.8483	1.36823
Nitrogen Dioxide	R25	9	21	27	87	10	0								0.8441										0	0
Nitrogen Dioxide	R25	9	22	27	89	10	0								0.8357										0	0
Nitrogen Dioxide	R25	9	23	27	89	10	0								0.8357										0	0
Nitrogen Dioxide	R25	9	24	26	89	10	0								0.858										0	0
Nitrogen Dioxide	R25	10	1	24	74	10	0								0.9517										0	0
Nitrogen Dioxide	R25	10	2	23	74	10	0								0.9676										0	0
Nitrogen Dioxide	R25	10	3	23	74	10	0								0.9676										0	0
Nitrogen Dioxide	R25	10	4	23	75	10	0								0.9643										0	0
Nitrogen Dioxide	R25	10	5	23	74	10	0								0.9676										0	0
Nitrogen Dioxide	R25	10	6	23	75	10	0								0.9643										0	0
Nitrogen Dioxide	R25	10	7	23	75	10	0								0.9643										0	0
Nitrogen Dioxide	R25	10	8	23	72	10	0								0.9742										0	0
Nitrogen Dioxide	R25	10	9	24	69	10	17								0.9692										0.9692	1.56323
Nitrogen Dioxide	R25	10	10	25	64	10	17								0.9722										0.9722	1.56806
Nitrogen Dioxide	R25	10	11	26	61	10	17								0.9688										0.9688	1.56258
Nitrogen Dioxide	R25	10	12	27	60	10	17								0.9577										0.9577	1.54468
Nitrogen Dioxide	R25	10	13	27	59	10	17								0.9619										0.9619	1.55145
Nitrogen Dioxide	R25	10	14	27	59	10	17								0.9619										0.9619	1.55145
Nitrogen Dioxide	R25	10	15	27	60	10	17								0.9577										0.9577	1.54468
Nitrogen Dioxide	R25	10	16	27	62	10	17								0.9492										0.9492	1.53097
Nitrogen Dioxide	R25	10	17	26	65	10	17								0.953										0.953	1.5371
Nitrogen Dioxide	R25	10	18	25	67	10	17								0.961										0.961	1.55
Nitrogen Dioxide	R25	10	19	25	69	10	17								0.9536										0.9536	1.53806
Nitrogen Dioxide	R25	10	20	25	71	10	17								0.9462										0.9462	1.52613
Nitrogen Dioxide	R25	10	21	24	71	10	0								0.9622										0	0
Nitrogen Dioxide	R25	10	22	24	71	10	0								0.9622										0	0
Nitrogen Dioxide	R25	10	23	24	72	10	0								0.9587										0	0
Nitrogen Dioxide	R25	10	24	24	72	10	0								0.9587										0	0
Nitrogen Dioxide	R25	11	1	21	75	10	0								0.9939										0	0
Nitrogen Dioxide	R25	11	2	21	74	10	0								0.9968										0	0
Nitrogen Dioxide	R25	11	3	21	74	10	0								0.9968										0	0
Nitrogen Dioxide	R25	11	4	21	74	10	0								0.9968										0	0
Nitrogen Dioxide	R25	11	5	21	74	10	0								0.9968										0	0
Nitrogen Dioxide	R25	11	6	21	73	10	0								0.9997										0	0
Nitrogen Dioxide	R25	11	7	21	73	10	0								0.9997										0	0
Nitrogen Dioxide	R25	11	8	21	70	10	0								1.0083										0	0
Nitrogen Dioxide	R25	11	9	22	66	10	17								1.0072										1.0072	1.62452
Nitrogen Dioxide	R25	11	10	23	61	10	17								1.0102										1.0102	1.62935
Nitrogen Dioxide	R25	11	11	25	57	10	17								0.9982										0.9982	1.61
Nitrogen Dioxide	R25	11	12	25	56	10	17								1.0019										1.0019	1.61597
Nitrogen Dioxide	R25	11	13	25	56	10	17								1.0019										1.0019	1.61597

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:
(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.
(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Dioxide	R25	11	14	26	56	10	17								0.9885										0.9885	1.59435
Nitrogen Dioxide	R25	11	15	26	57	10	17								0.9846										0.9846	1.58806
Nitrogen Dioxide	R25	11	16	25	58	10	17								0.9945										0.9945	1.60403
Nitrogen Dioxide	R25	11	17	24	63	10	17								0.9901										0.9901	1.59694
Nitrogen Dioxide	R25	11	18	23	66	10	17								0.9938										0.9938	1.6029
Nitrogen Dioxide	R25	11	19	23	70	10	17								0.9807										0.9807	1.58177
Nitrogen Dioxide	R25	11	20	22	70	10	17								0.9949										0.9949	1.60468
Nitrogen Dioxide	R25	11	21	22	72	10	0								0.9888										0	0
Nitrogen Dioxide	R25	11	22	22	74	10	0								0.9826										0	0
Nitrogen Dioxide	R25	11	23	22	74	10	0								0.9826										0	0
Nitrogen Dioxide	R25	11	24	21	74	10	0								0.9968										0	0
Nitrogen Dioxide	R25	12	1	16	68	10	0								1.069										0	0
Nitrogen Dioxide	R25	12	2	16	69	10	0								1.0669										0	0
Nitrogen Dioxide	R25	12	3	16	69	10	0								1.0669										0	0
Nitrogen Dioxide	R25	12	4	15	70	10	0								1.0742										0	0
Nitrogen Dioxide	R25	12	5	15	70	10	0								1.0742										0	0
Nitrogen Dioxide	R25	12	6	15	70	10	0								1.0742										0	0
Nitrogen Dioxide	R25	12	7	15	70	10	0								1.0742										0	0
Nitrogen Dioxide	R25	12	8	15	69	10	0								1.0761										0	0
Nitrogen Dioxide	R25	12	9	16	65	10	17								1.0732										1.0732	1.73419
Nitrogen Dioxide	R25	12	10	17	62	10	17								1.0726										1.0726	1.73
Nitrogen Dioxide	R25	12	11	18	58	10	17								1.0727										1.0727	1.73016
Nitrogen Dioxide	R25	12	12	19	57	10	17								1.0658										1.0658	1.71903
Nitrogen Dioxide	R25	12	13	19	56	10	17								1.0684										1.0684	1.72323
Nitrogen Dioxide	R25	12	14	19	56	10	17								1.0684										1.0684	1.72323
Nitrogen Dioxide	R25	12	15	19	56	10	17								1.0684										1.0684	1.72323
Nitrogen Dioxide	R25	12	16	19	57	10	17								1.0658										1.0658	1.71903
Nitrogen Dioxide	R25	12	17	18	60	10	17								1.0679										1.0679	1.72242
Nitrogen Dioxide	R25	12	18	18	64	10	17								1.0584										1.0584	1.7071
Nitrogen Dioxide	R25	12	19	17	65	10	17								1.0659										1.0659	1.71919
Nitrogen Dioxide	R25	12	20	17	66	10	17								1.0632										1.0632	1.71565
Nitrogen Dioxide	R25	12	21	17	66	10	0								1.0637										0	0
Nitrogen Dioxide	R25	12	22	16	66	10	0								1.0731										0	0
Nitrogen Dioxide	R25	12	23	16	66	10	0								1.0731										0	0
Nitrogen Dioxide	R25	12	24	16	67	10	0								1.071										0	0
Nitrogen Dioxide	R26	1	1	17	76	10	0								1.0415										0	0
Nitrogen Dioxide	R26	1	2	17	77	10	0								1.0393										0	0
Nitrogen Dioxide	R26	1	3	17	77	10	0								1.0393										0	0
Nitrogen Dioxide	R26	1	4	17	77	10	0								1.0393										0	0
Nitrogen Dioxide	R26	1	5	17	78	10	0								1.0371										0	0
Nitrogen Dioxide	R26	1	6	17	77	10	0								1.0393										0	0
Nitrogen Dioxide	R26	1	7	16	77	10	0								1.0503										0	0
Nitrogen Dioxide	R26	1	8	17	77	10	0								1.0393										0	0
Nitrogen Dioxide	R26	1	9	17	73	10	17								1.0482										1.0482	1.69065
Nitrogen Dioxide	R26	1	10	19	69	10	17								1.0355										1.0355	1.67016
Nitrogen Dioxide	R26	1	11	20	64	10	17								1.0372										1.0372	1.6729
Nitrogen Dioxide	R26	1	12	21	62	10	17								1.0314										1.0314	1.66355
Nitrogen Dioxide	R26	1	13	21	61	10	17								1.0343										1.0343	1.66823
Nitrogen Dioxide	R26	1	14	21	62	10	17								1.0314										1.0314	1.66355
Nitrogen Dioxide	R26	1	15	21	62	10	17								1.0314										1.0314	1.66355
Nitrogen Dioxide	R26	1	16	21	63	10	17								1.0285										1.0285	1.65887
Nitrogen Dioxide	R26	1	17	20	67	10	17								1.0291										1.0291	1.65984
Nitrogen Dioxide	R26	1	18	19	72	10	17								1.0279										1.0279	1.6579
Nitrogen Dioxide	R26	1	19	18	74	10	17								1.0348										1.0348	1.66903
Nitrogen Dioxide	R26	1	20	18	74	10	17								1.0348										1.0348	1.66903
Nitrogen Dioxide	R26	1	21	18	75	10	0								1.0324										0	0
Nitrogen Dioxide	R26	1	22	18	76	10	0								1.03										0	0
Nitrogen Dioxide	R26	1	23	18	75	10	0								1.0324										0	0
Nitrogen Dioxide	R26	1	24	17	76	10	0								1.0415										0	0
Nitrogen Dioxide	R26	2	1	17	78	10	0								1.0371										0	0
Nitrogen Dioxide	R26	2	2	17	80	10	0								1.0327										0	0
Nitrogen Dioxide	R26	2	3	17	81	10	0								1.0305										0	0
Nitrogen Dioxide	R26	2	4	17	82	10	0								1.0282										0	0
Nitrogen Dioxide	R26	2	5	16	83	10	0								1.0378										0	0
Nitrogen Dioxide	R26	2	6	16	83	10	0								1.0378										0	0
Nitrogen Dioxide	R26	2	7	16	83	10	0								1.0378										0	0
Nitrogen Dioxide	R26	2	8	17	81	10	0								1.0305										0	0
Nitrogen Dioxide	R26	2	9	18	77	10	17								1.0277										1.0277	1.65758
Nitrogen Dioxide	R26	2	10	19	73	10	17								1.0254										1.0254	1.65387
Nitrogen Dioxide	R26	2	11	20	70	10	17								1.021										1.021	1.64677
Nitrogen Dioxide	R26	2	12	20	68	10	17								1.0264										1.0264	1.65548
Nitrogen Dioxide	R26	2	13	21	65	10	17								1.0227										1.0227	1.64952
Nitrogen Dioxide	R26	2	14	21	65	10	17								1.0227										1.0227	1.64952
Nitrogen Dioxide	R26	2	15	21	66	10	17								1.0199										1.0199	1.645
Nitrogen Dioxide	R26	2	16	20	68	10	17								1.0264										1.0264	1.65548
Nitrogen Dioxide	R26	2	17	20	70	10	17								1.021										1.021	1.64677
Nitrogen Dioxide	R26	2	18	19	74	10	17								1.0228										1.0228	1.64968
Nitrogen Dioxide	R26	2	19	18	76	10	17								1.03										1.03	1.66129
Nitrogen Dioxide	R26	2	20	18	78	10	17								1.0253										1.0253	1.65371
Nitrogen Dioxide	R26	2	21	18	78	10	0								1.0253										0	0
Nitrogen Dioxide	R26	2	22	18	78	10	0								1.0253										0	0
Nitrogen Dioxide	R26	2	23	18	78	10	0								1.0253										0	0
Nitrogen Dioxide	R26	2	24	18	78	10	0								1.0253										0	0
Nitrogen Dioxide	R26	3	1	21	86	10	0								0.9622										0	0
Nitrogen Dioxide	R26	3	2	20	87	10	0								0.9751										0	0
Nitrogen Dioxide	R26	3	3	20	87	10	0								0.9751										0	0
Nitrogen Dioxide	R26	3	4	20	87	10	0								0.9751										0	0
Nitrogen Dioxide	R26	3	5	20	87	10	0								0.9751										0	0
Nitrogen Dioxide	R26	3	6	20	87	10	0								0.9751										0	0
Nitrogen Dioxide	R26	3	7	20	87	10	0								0.9751										0	0
Nitrogen Dioxide	R26	3	8	20	86	10	0								0.9778										0	0
Nitrogen Dioxide	R26	3	9	21	83	10	17								0.9709										0.9709	1.56597
Nitrogen Dioxide	R26	3	10	22	79	10	17								0.9672										0.9672	1.56
Nitrogen Dioxide	R26	3	11	22	78	10	17								0.9703										0.9703	1.565
Nitrogen Dioxide	R26	3	12	23	77	10	17								0.9578										0.9578	1.54484
Nitrogen Dioxide	R26	3	13	23	77	10	17								0.9578										0.9578	1.54484
Nitrogen Dioxide	R26	3	14	23	77	10	17								0.9578										0.9578	1.54484
Nitrogen Dioxide	R26	3	15	23	76	10	17								0.961										0.961	1.55
Nitrogen Dioxide	R26	3	16	23	77	10	17								0.9578										0.9578	1.54484
Nitrogen Dioxide	R26	3	17	22	79	10	17								0.9672										0.9672	1.56
Nitrogen Dioxide	R26	3	18	22	82	10	17								0.958										0.958	1.54516
Nitrogen Dioxide	R26	3	19	21	84	10	17								0.968										0.968	1.56129
Nitrogen Dioxide	R26	3	20	21	85	10	17								0.9651										0.9651	1.55661
Nitrogen Dioxide	R26	3	21	21	86	10	0								0.9622										0	0
Nitrogen Dioxide	R26	3	22	21	86	10	0								0.9622										0	0
Nitrogen Dioxide	R26	3	23	21	85	10	0								0.9651										0	0
Nitrogen Dioxide	R26	3	24	21	86	10	0								0.9622										0	0
Nitrogen Dioxide	R26	4	1	20	83	10	0								0.9859										0	0
Nitrogen Dioxide	R26	4	2	20	85	10	0								0.9805										0	0
Nitrogen Dioxide	R26	4	3	20	84	10	0								0.9832										0	0
Nitrogen Dioxide	R26	4	4	20	85	10	0								0.9805										0	0
Nitrogen Dioxide	R26	4	5	19	84	10	0								0.9975										0	0
Nitrogen Dioxide	R26	4	6	19	84	10	0								0.9975										0	0
Nitrogen Dioxide	R26	4	7	20	84	10	0								0.9832										0	0
Nitrogen Dioxide	R26	4	8	21	79	10	0								0.9824										0	0
Nitrogen Dioxide	R26	4	9	22	73	10	17								0.9857										0.9857	1.58984
Nitrogen Dioxide	R26	4	10	23	69	10	17								0.984										0.984	1.5871
Nitrogen Dioxide	R26	4	11	23	68	10	17								0.9873										0.9873	1.59242
Nitrogen Dioxide	R26	4	12	24	66	10	17								0.9797										0.9797	1.58016
Nitrogen Dioxide	R26	4	13	24	65	10	17								0.9832										0.9832	1.58581
Nitrogen Dioxide	R26	4	14	24	66	10	17								0.9797										0.9797	1.58016
Nitrogen Dioxide	R26	4	15	24	66	10	17								0.9797										0.9797	1.58016
Nitrogen Dioxide	R26	4	16	24	67	10	17								0.9762										0.9762	1.57452
Nitrogen Dioxide	R26	4	17	23	69	10	17								0.984										0.984	1.5871
Nitrogen Dioxide	R26	4	18	22	74	10	17								0.9826										0.9826	1.58484
Nitrogen Dioxide	R26	4	19	22	76	10	17								0.9765										0.9765	1.575
Nitrogen Dioxide	R26	4	20	21	79	10	17								0.9824										0.9824	1.58452
Nitrogen Dioxide	R26	4	21	21	80	10	0								0.9795										0	0
Nitrogen Dioxide	R26	4	22	21	81	10	0								0.9766										0	0
Nitrogen Dioxide	R26	4	23	21	82	10	0								0.9737										0	0
Nitrogen Dioxide	R26	4	24	20	82	10	0								0.9886										0	0
Nitrogen Dioxide	R26	5	1	26	91	10	0								0.8501										0	0
Nitrogen Dioxide	R26	5	2	25	92	10	0								0.8681										0	0
Nitrogen Dioxide	R26	5	3	25	92	10	0								0.8681										0	0
Nitrogen Dioxide	R26	5	4	25	91	10	0								0.8718										0	0
Nitrogen Dioxide	R26	5	5	25	92	10	0								0.8681										0	0
Nitrogen Dioxide	R26	5	6	25	93	10	0								0.8644										0	0
Nitrogen Dioxide	R26	5	7	26	91	10	0								0.8501										0	0
Nitrogen Dioxide	R26	5	8	27	85	10	0								0.8525										0	0
Nitrogen Dioxide	R26	5	9	28	80	10	17								0.8524										0.8524	1.37484
Nitrogen Dioxide	R26	5	10	28	78	10	17								0.8613										0.8613	1.38919
Nitrogen Dioxide	R26	5	11	29	77	10	17								0.8444										0.8444	1.36194
Nitrogen Dioxide	R26	5	12	29	75	10	17								0.8539										0.8539	1.37726
Nitrogen Dioxide	R26	5	13	29	74	10	17								0.8582										0.8582	1.385
Nitrogen Dioxide	R26	5	14	29	75	10	17								0.8539										0.8539	1.37726
Nitrogen Dioxide	R26	5	15	29	75	10	17								0.8539										0.8539	1.37726
Nitrogen Dioxide	R26	5	16	29	77	10	17								0.8444										0.8444	1.36194
Nitrogen Dioxide	R26	5	17	28	78	10	17								0.8613										0.8613	1.38919
Nitrogen Dioxide	R26	5	18	28	81	10	17								0.8479										0.8479	1.36758

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:
(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.
(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Dioxide	R26	5	19	27	84	10	17								0.8567										0.8567	1.38177
Nitrogen Dioxide	R26	5	20	27	87	10	17								0.8441										0.8441	1.36145
Nitrogen Dioxide	R26	5	21	27	88	10	0								0.8399										0	0
Nitrogen Dioxide	R26	5	22	26	89	10	0								0.858										0	0
Nitrogen Dioxide	R26	5	23	26	89	10	0								0.858										0	0
Nitrogen Dioxide	R26	5	24	26	90	10	0								0.8541										0	0
Nitrogen Dioxide	R26	6	1	28	88	10	0								0.8166										0	0
Nitrogen Dioxide	R26	6	2	27	89	10	0								0.8357										0	0
Nitrogen Dioxide	R26	6	3	27	89	10	0								0.8357										0	0
Nitrogen Dioxide	R26	6	4	27	88	10	0								0.8399										0	0
Nitrogen Dioxide	R26	6	5	27	89	10	0								0.8357										0	0
Nitrogen Dioxide	R26	6	6	27	90	10	0								0.8315										0	0
Nitrogen Dioxide	R26	6	7	28	87	10	0								0.8211										0	0
Nitrogen Dioxide	R26	6	8	29	82	10	0								0.8207										0	0
Nitrogen Dioxide	R26	6	9	29	79	10	17								0.8349										0.8349	1.34661
Nitrogen Dioxide	R26	6	10	30	76	10	17								0.827										0.827	1.33387
Nitrogen Dioxide	R26	6	11	30	75	10	17								0.8321										0.8321	1.3421
Nitrogen Dioxide	R26	6	12	30	74	10	17								0.8371										0.8371	1.35016
Nitrogen Dioxide	R26	6	13	31	73	10	17								0.8198										0.8198	1.32226
Nitrogen Dioxide	R26	6	14	31	72	10	17								0.8252										0.8252	1.33097
Nitrogen Dioxide	R26	6	15	30	74	10	17								0.8371										0.8371	1.35016
Nitrogen Dioxide	R26	6	16	30	74	10	17								0.8371										0.8371	1.35016
Nitrogen Dioxide	R26	6	17	30	75	10	17								0.8321										0.8321	1.3421
Nitrogen Dioxide	R26	6	18	29	79	10	17								0.8349										0.8349	1.34661
Nitrogen Dioxide	R26	6	19	29	81	10	17								0.8254										0.8254	1.33129
Nitrogen Dioxide	R26	6	20	28	83	10	17								0.839										0.839	1.35323
Nitrogen Dioxide	R26	6	21	28	85	10	0								0.83										0	0
Nitrogen Dioxide	R26	6	22	28	86	10	0								0.8256										0	0
Nitrogen Dioxide	R26	6	23	28	87	10	0								0.8211										0	0
Nitrogen Dioxide	R26	6	24	28	87	10	0								0.8211										0	0
Nitrogen Dioxide	R26	7	1	28	84	10	0								0.8345										0	0
Nitrogen Dioxide	R26	7	2	28	84	10	0								0.8345										0	0
Nitrogen Dioxide	R26	7	3	28	86	10	0								0.8256										0	0
Nitrogen Dioxide	R26	7	4	28	86	10	0								0.8256										0	0
Nitrogen Dioxide	R26	7	5	28	88	10	0								0.8166										0	0
Nitrogen Dioxide	R26	7	6	27	88	10	0								0.8399										0	0
Nitrogen Dioxide	R26	7	7	28	86	10	0								0.8256										0	0
Nitrogen Dioxide	R26	7	8	29	81	10	0								0.8254										0	0
Nitrogen Dioxide	R26	7	9	30	76	10	17								0.827										0.827	1.33387
Nitrogen Dioxide	R26	7	10	31	70	10	17								0.8358										0.8358	1.34806
Nitrogen Dioxide	R26	7	11	31	68	10	17								0.8465										0.8465	1.36532
Nitrogen Dioxide	R26	7	12	32	67	10	17								0.8304										0.8304	1.33935
Nitrogen Dioxide	R26	7	13	32	66	10	17								0.8361										0.8361	1.34855
Nitrogen Dioxide	R26	7	14	32	66	10	17								0.8361										0.8361	1.34855
Nitrogen Dioxide	R26	7	15	31	68	10	17								0.8465										0.8465	1.36532
Nitrogen Dioxide	R26	7	16	31	69	10	17								0.8412										0.8412	1.35677
Nitrogen Dioxide	R26	7	17	31	70	10	17								0.8358										0.8358	1.34806
Nitrogen Dioxide	R26	7	18	30	73	10	17								0.8421										0.8421	1.35823
Nitrogen Dioxide	R26	7	19	29	76	10	17								0.8493										0.8492	1.36968
Nitrogen Dioxide	R26	7	20	29	79	10	17								0.8349										0.8349	1.34661
Nitrogen Dioxide	R26	7	21	29	81	10	0								0.8254										0	0
Nitrogen Dioxide	R26	7	22	29	82	10	0								0.8207										0	0
Nitrogen Dioxide	R26	7	23	28	83	10	0								0.839										0	0
Nitrogen Dioxide	R26	7	24	28	84	10	0								0.8345										0	0
Nitrogen Dioxide	R26	8	1	27	90	10	0								0.8315										0	0
Nitrogen Dioxide	R26	8	2	26	90	10	0								0.8541										0	0
Nitrogen Dioxide	R26	8	3	26	91	10	0								0.8501										0	0
Nitrogen Dioxide	R26	8	4	26	92	10	0								0.8462										0	0
Nitrogen Dioxide	R26	8	5	26	93	10	0								0.8422										0	0
Nitrogen Dioxide	R26	8	6	26	94	10	0								0.8383										0	0
Nitrogen Dioxide	R26	8	7	26	93	10	0								0.8422										0	0
Nitrogen Dioxide	R26	8	8	27	87	10	0								0.8441										0	0
Nitrogen Dioxide	R26	8	9	29	81	10	17								0.8254										0.8254	1.33129
Nitrogen Dioxide	R26	8	10	30	76	10	17								0.827										0.827	1.33387
Nitrogen Dioxide	R26	8	11	30	73	10	17								0.8421										0.8421	1.35823
Nitrogen Dioxide	R26	8	12	30	73	10	17								0.8421										0.8421	1.35823
Nitrogen Dioxide	R26	8	13	30	74	10	17								0.8371										0.8371	1.35016
Nitrogen Dioxide	R26	8	14	30	74	10	17								0.8371										0.8371	1.35016
Nitrogen Dioxide	R26	8	15	30	75	10	17								0.8321										0.8321	1.3421
Nitrogen Dioxide	R26	8	16	29	77	10	17								0.8444										0.8444	1.36194
Nitrogen Dioxide	R26	8	17	29	79	10	17								0.8349										0.8349	1.34661
Nitrogen Dioxide	R26	8	18	28	80	10	17								0.8524										0.8524	1.37484
Nitrogen Dioxide	R26	8	19	28	82	10	17								0.8435										0.8435	1.36048
Nitrogen Dioxide	R26	8	20	28	84	10	17								0.8345										0.8345	1.34597
Nitrogen Dioxide	R26	8	21	27	85	10	0								0.8525										0	0
Nitrogen Dioxide	R26	8	22	27	87	10	0								0.8441										0	0
Nitrogen Dioxide	R26	8	23	27	88	10	0								0.8399										0	0
Nitrogen Dioxide	R26	8	24	27	89	10	0								0.8357										0	0
Nitrogen Dioxide	R26	9	1	27	89	10	0								0.8357										0	0
Nitrogen Dioxide	R26	9	2	26	89	10	0								0.858										0	0
Nitrogen Dioxide	R26	9	3	26	91	10	0								0.8501										0	0
Nitrogen Dioxide	R26	9	4	26	92	10	0								0.8462										0	0
Nitrogen Dioxide	R26	9	5	26	92	10	0								0.8462										0	0
Nitrogen Dioxide	R26	9	6	26	93	10	0								0.8422										0	0
Nitrogen Dioxide	R26	9	7	26	93	10	0								0.8422										0	0
Nitrogen Dioxide	R26	9	8	27	88	10	0								0.8399										0	0
Nitrogen Dioxide	R26	9	9	28	83	10	17								0.839										0.839	1.35323
Nitrogen Dioxide	R26	9	10	29	78	10	17								0.8397										0.8397	1.35435
Nitrogen Dioxide	R26	9	11	29	76	10	17								0.8492										0.8492	1.36968
Nitrogen Dioxide	R26	9	12	29	76	10	17								0.8492										0.8492	1.36968
Nitrogen Dioxide	R26	9	13	30	75	10	17								0.8321										0.8321	1.3421
Nitrogen Dioxide	R26	9	14	29	75	10	17								0.8539										0.8539	1.37726
Nitrogen Dioxide	R26	9	15	29	77	10	17								0.8444										0.8444	1.36194
Nitrogen Dioxide	R26	9	16	29	76	10	17								0.8492										0.8492	1.36968
Nitrogen Dioxide	R26	9	17	29	78	10	17								0.8397										0.8397	1.35435
Nitrogen Dioxide	R26	9	18	28	81	10	17								0.8479										0.8479	1.36758
Nitrogen Dioxide	R26	9	19	27	84	10	17								0.8567										0.8567	1.38177
Nitrogen Dioxide	R26	9	20	27	86	10	17								0.8483										0.8483	1.36823
Nitrogen Dioxide	R26	9	21	27	87	10	0								0.8441										0	0
Nitrogen Dioxide	R26	9	22	27	89	10	0								0.8357										0	0
Nitrogen Dioxide	R26	9	23	27	89	10	0								0.8357										0	0
Nitrogen Dioxide	R26	9	24	26	89	10	0								0.858										0	0
Nitrogen Dioxide	R26	10	1	24	74	10	0								0.9517										0	0
Nitrogen Dioxide	R26	10	2	23	74	10	0								0.9676										0	0
Nitrogen Dioxide	R26	10	3	23	74	10	0								0.9676										0	0
Nitrogen Dioxide	R26	10	4	23	75	10	0								0.9643										0	0
Nitrogen Dioxide	R26	10	5	23	74	10	0								0.9676										0	0
Nitrogen Dioxide	R26	10	6	23	75	10	0								0.9643										0	0
Nitrogen Dioxide	R26	10	7	23	75	10	0								0.9643										0	0
Nitrogen Dioxide	R26	10	8	23	72	10	0								0.9742										0	0
Nitrogen Dioxide	R26	10	9	24	69	10	17								0.9692										0.9692	1.56323
Nitrogen Dioxide	R26	10	10	25	64	10	17								0.9722										0.9722	1.56806
Nitrogen Dioxide	R26	10	11	26	61	10	17								0.9688										0.9688	1.56258
Nitrogen Dioxide	R26	10	12	27	60	10	17								0.9577										0.9577	1.54468
Nitrogen Dioxide	R26	10	13	27	59	10	17								0.9619										0.9619	1.55145
Nitrogen Dioxide	R26	10	14	27	59	10	17								0.9619										0.9619	1.55145
Nitrogen Dioxide	R26	10	15	27	60	10	17								0.9577										0.9577	1.54468
Nitrogen Dioxide	R26	10	16	27	62	10	17								0.9492										0.9492	1.53097
Nitrogen Dioxide	R26	10	17	26	65	10	17								0.953										0.953	1.5371
Nitrogen Dioxide	R26	10	18	25	67	10	17								0.961										0.961	1.55
Nitrogen Dioxide	R26	10	19	25	69	10	17								0.9536										0.9536	1.53806
Nitrogen Dioxide	R26	10	20	25	71	10	17								0.9462										0.9462	1.52613
Nitrogen Dioxide	R26	10	21	24	71	10	0								0.9622										0	0
Nitrogen Dioxide	R26	10	22	24	71	10	0								0.9622										0	0
Nitrogen Dioxide	R26	10	23	24	72	10	0								0.9587										0	0
Nitrogen Dioxide	R26	10	24	24	72	10	0								0.9587										0	0
Nitrogen Dioxide	R26	11	1	21	75	10	0								0.9939										0	0
Nitrogen Dioxide	R26	11	2	21	74	10	0								0.9968										0	0
Nitrogen Dioxide	R26	11	3	21	74	10	0								0.9968										0	0
Nitrogen Dioxide	R26	11	4	21	74	10	0								0.9968										0	0
Nitrogen Dioxide	R26	11	5	21	74	10	0								0.9968										0	0
Nitrogen Dioxide	R26	11	6	21	73	10	0								0.9997										0	0
Nitrogen Dioxide	R26	11	7	21	73	10	0								0.9997										0	0
Nitrogen Dioxide	R26	11	8	21	70	10	0								1.0083										0	0
Nitrogen Dioxide	R26	11	9	22	66	10	17								1.0072										1.0072	1.62452
Nitrogen Dioxide	R26	11	10	23	61	10	17								1.0102										1.0102	1.62935
Nitrogen Dioxide	R26	11	11	25	57	10	17								0.9982										0.9982	1.61
Nitrogen Dioxide	R26	11	12	25	56	10	17								1.0019										1.0019	1.61597
Nitrogen Dioxide	R26	11	13	25	56	10	17								1.0019										1.0019	1.61597
Nitrogen Dioxide	R26	11	14	26	56	10	17								0.9885										0.9885	1.59435
Nitrogen Dioxide	R26	11	15	26	57	10	17								0.9846										0.9846	1.58806
Nitrogen Dioxide	R26	11	16	25	58	10	17								0.9945										0.9945	1.60403
Nitrogen Dioxide	R26	11	17	24	63	10	17								0.9901										0.9901	1.59694
Nitrogen Dioxide	R26	11	18	23	66	10	17								0.9938										0.9938	1.6029
Nitrogen Dioxide	R26	11	19	23	70	10	17								0.9807										0.9807	1.58177
Nitrogen Dioxide	R26	11	20	22	70	10	17								0.9949										0.9949	1.60468
Nitrogen Dioxide	R26	11	21	22	72	10	0								0.9888										0	0
Nitrogen Dioxide	R26	11	22	22	74	10	0								0.9826										0	0
Nitrogen Dioxide	R26	11	23	22	74	10	0								0.9826										0	0

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:
(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.
(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Dioxide	R26	11	24	21	74	10	0								0.9968										0	0
Nitrogen Dioxide	R26	12	1	16	68	10	0								1.069										0	0
Nitrogen Dioxide	R26	12	2	16	69	10	0								1.0669										0	0
Nitrogen Dioxide	R26	12	3	16	69	10	0								1.0669										0	0
Nitrogen Dioxide	R26	12	4	15	70	10	0								1.0742										0	0
Nitrogen Dioxide	R26	12	5	15	70	10	0								1.0742										0	0
Nitrogen Dioxide	R26	12	6	15	70	10	0								1.0742										0	0
Nitrogen Dioxide	R26	12	7	15	70	10	0								1.0742										0	0
Nitrogen Dioxide	R26	12	8	15	69	10	0								1.0761										0	0
Nitrogen Dioxide	R26	12	9	16	65	10	12								1.0732										1.0732	1.73419
Nitrogen Dioxide	R26	12	10	17	62	10	17								1.0726										1.0726	1.73
Nitrogen Dioxide	R26	12	11	18	58	10	17								1.0727										1.0727	1.73016
Nitrogen Dioxide	R26	12	12	19	57	10	17								1.0658										1.0658	1.71903
Nitrogen Dioxide	R26	12	13	19	56	10	17								1.0684										1.0684	1.72323
Nitrogen Dioxide	R26	12	14	19	56	10	17								1.0684										1.0684	1.72323
Nitrogen Dioxide	R26	12	15	19	56	10	17								1.0684										1.0684	1.72323
Nitrogen Dioxide	R26	12	16	19	57	10	17								1.0658										1.0658	1.71903
Nitrogen Dioxide	R26	12	17	18	60	10	17								1.0679										1.0679	1.72242
Nitrogen Dioxide	R26	12	18	18	64	10	17								1.0584										1.0584	1.7071
Nitrogen Dioxide	R26	12	19	17	65	10	17								1.0659										1.0659	1.71919
Nitrogen Dioxide	R26	12	20	17	66	10	17								1.0637										1.0637	1.71565
Nitrogen Dioxide	R26	12	21	17	66	10	0								1.0637										0	0
Nitrogen Dioxide	R26	12	22	16	66	10	0								1.0731										0	0
Nitrogen Dioxide	R26	12	23	16	66	10	0								1.0731										0	0
Nitrogen Dioxide	R26	12	24	16	67	10	0								1.071										0	0
Nitrogen Dioxide	R27	1	1	17	76	10	0								1.0413										0	0
Nitrogen Dioxide	R27	1	2	17	77	10	0								1.0393										0	0
Nitrogen Dioxide	R27	1	3	17	77	10	0								1.0393										0	0
Nitrogen Dioxide	R27	1	4	17	77	10	0								1.0393										0	0
Nitrogen Dioxide	R27	1	5	17	78	10	0								1.0371										0	0
Nitrogen Dioxide	R27	1	6	17	77	10	0								1.0393										0	0
Nitrogen Dioxide	R27	1	7	16	77	10	0								1.0503										0	0
Nitrogen Dioxide	R27	1	8	17	77	10	0								1.0393										0	0
Nitrogen Dioxide	R27	1	9	17	73	10	17								1.0482										1.0482	1.69065
Nitrogen Dioxide	R27	1	10	19	69	10	17								1.0355										1.0355	1.67016
Nitrogen Dioxide	R27	1	11	20	64	10	17								1.0372										1.0372	1.6729
Nitrogen Dioxide	R27	1	12	21	62	10	17								1.0314										1.0314	1.66355
Nitrogen Dioxide	R27	1	13	21	61	10	17								1.0343										1.0343	1.66823
Nitrogen Dioxide	R27	1	14	21	62	10	17								1.0314										1.0314	1.66355
Nitrogen Dioxide	R27	1	15	21	62	10	17								1.0314										1.0314	1.66355
Nitrogen Dioxide	R27	1	16	21	63	10	17								1.0285										1.0285	1.65887
Nitrogen Dioxide	R27	1	17	20	67	10	17								1.0291										1.0291	1.65984
Nitrogen Dioxide	R27	1	18	19	72	10	17								1.0279										1.0279	1.6579
Nitrogen Dioxide	R27	1	19	18	74	10	17								1.0348										1.0348	1.66903
Nitrogen Dioxide	R27	1	20	18	74	10	17								1.0348										1.0348	1.66903
Nitrogen Dioxide	R27	1	21	18	75	10	0								1.0324										0	0
Nitrogen Dioxide	R27	1	22	18	76	10	0								1.03										0	0
Nitrogen Dioxide	R27	1	23	18	75	10	0								1.0324										0	0
Nitrogen Dioxide	R27	1	24	17	76	10	0								1.0413										0	0
Nitrogen Dioxide	R27	2	1	17	78	10	0								1.0371										0	0
Nitrogen Dioxide	R27	2	2	17	80	10	0								1.0327										0	0
Nitrogen Dioxide	R27	2	3	17	81	10	0								1.0305										0	0
Nitrogen Dioxide	R27	2	4	17	82	10	0								1.0282										0	0
Nitrogen Dioxide	R27	2	5	16	83	10	0								1.0378										0	0
Nitrogen Dioxide	R27	2	6	16	83	10	0								1.0378										0	0
Nitrogen Dioxide	R27	2	7	16	83	10	0								1.0378										0	0
Nitrogen Dioxide	R27	2	8	17	81	10	0								1.0305										0	0
Nitrogen Dioxide	R27	2	9	18	77	10	17								1.0277										1.0277	1.65758
Nitrogen Dioxide	R27	2	10	19	73	10	17								1.0254										1.0254	1.65387
Nitrogen Dioxide	R27	2	11	20	70	10	17								1.021										1.021	1.64677
Nitrogen Dioxide	R27	2	12	20	68	10	17								1.0264										1.0264	1.65548
Nitrogen Dioxide	R27	2	13	21	65	10	17								1.0227										1.0227	1.64952
Nitrogen Dioxide	R27	2	14	21	65	10	17								1.0227										1.0227	1.64952
Nitrogen Dioxide	R27	2	15	21	66	10	17								1.0199										1.0199	1.645
Nitrogen Dioxide	R27	2	16	20	68	10	17								1.0264										1.0264	1.65548
Nitrogen Dioxide	R27	2	17	20	70	10	17								1.021										1.021	1.64677
Nitrogen Dioxide	R27	2	18	19	74	10	17								1.0228										1.0228	1.64968
Nitrogen Dioxide	R27	2	19	18	76	10	17								1.03										1.03	1.66129
Nitrogen Dioxide	R27	2	20	18	78	10	17								1.0253										1.0253	1.65371
Nitrogen Dioxide	R27	2	21	18	78	10	0								1.0253										0	0
Nitrogen Dioxide	R27	2	22	18	78	10	0								1.0253										0	0
Nitrogen Dioxide	R27	2	23	18	78	10	0								1.0253										0	0
Nitrogen Dioxide	R27	2	24	18	78	10	0								1.0253										0	0
Nitrogen Dioxide	R27	3	1	21	86	10	0								0.9622										0	0
Nitrogen Dioxide	R27	3	2	20	87	10	0								0.9751										0	0
Nitrogen Dioxide	R27	3	3	20	87	10	0								0.9751										0	0
Nitrogen Dioxide	R27	3	4	20	87	10	0								0.9751										0	0
Nitrogen Dioxide	R27	3	5	20	87	10	0								0.9751										0	0
Nitrogen Dioxide	R27	3	6	20	87	10	0								0.9751										0	0
Nitrogen Dioxide	R27	3	7	20	87	10	0								0.9751										0	0
Nitrogen Dioxide	R27	3	8	20	86	10	0								0.9778										0	0
Nitrogen Dioxide	R27	3	9	21	83	10	17								0.9709										0.9709	1.56597
Nitrogen Dioxide	R27	3	10	22	79	10	17								0.9672										0.9672	1.56
Nitrogen Dioxide	R27	3	11	22	78	10	17								0.9703										0.9703	1.565
Nitrogen Dioxide	R27	3	12	23	77	10	17								0.9578										0.9578	1.54484
Nitrogen Dioxide	R27	3	13	23	77	10	17								0.9578										0.9578	1.54484
Nitrogen Dioxide	R27	3	14	23	77	10	17								0.9578										0.9578	1.54484
Nitrogen Dioxide	R27	3	15	23	76	10	17								0.961										0.961	1.55
Nitrogen Dioxide	R27	3	16	23	77	10	17								0.9578										0.9578	1.54484
Nitrogen Dioxide	R27	3	17	22	79	10	17								0.9672										0.9672	1.56
Nitrogen Dioxide	R27	3	18	22	82	10	17								0.958										0.958	1.54516
Nitrogen Dioxide	R27	3	19	21	84	10	17								0.968										0.968	1.56129
Nitrogen Dioxide	R27	3	20	21	85	10	17								0.9651										0.9651	1.55661
Nitrogen Dioxide	R27	3	21	21	86	10	0								0.9622										0	0
Nitrogen Dioxide	R27	3	22	21	86	10	0								0.9622										0	0
Nitrogen Dioxide	R27	3	23	21	85	10	0								0.9651										0	0
Nitrogen Dioxide	R27	3	24	21	86	10	0								0.9622										0	0
Nitrogen Dioxide	R27	4	1	20	83	10	0								0.9859										0	0
Nitrogen Dioxide	R27	4	2	20	85	10	0								0.9805										0	0
Nitrogen Dioxide	R27	4	3	20	84	10	0								0.9832										0	0
Nitrogen Dioxide	R27	4	4	20	85	10	0								0.9805										0	0
Nitrogen Dioxide	R27	4	5	19	84	10	0								0.9975										0	0
Nitrogen Dioxide	R27	4	6	19	84	10	0								0.9975										0	0
Nitrogen Dioxide	R27	4	7	20	84	10	0								0.9832										0	0
Nitrogen Dioxide	R27	4	8	21	79	10	0								0.9824										0	0
Nitrogen Dioxide	R27	4	9	22	73	10	17								0.9857										0.9857	1.58984
Nitrogen Dioxide	R27	4	10	23	69	10	17								0.984										0.984	1.5871
Nitrogen Dioxide	R27	4	11	23	68	10	17								0.9873										0.9873	1.59242
Nitrogen Dioxide	R27	4	12	24	66	10	17								0.9797										0.9797	1.58016
Nitrogen Dioxide	R27	4	13	24	65	10	17								0.9832										0.9832	1.58581
Nitrogen Dioxide	R27	4	14	24	66	10	17								0.9797										0.9797	1.58016
Nitrogen Dioxide	R27	4	15	24	66	10	17								0.9797										0.9797	1.58016
Nitrogen Dioxide	R27	4	16	24	67	10	17								0.9762										0.9762	1.57452
Nitrogen Dioxide	R27	4	17	23	69	10	17								0.984										0.984	1.5871
Nitrogen Dioxide	R27	4	18	22	74	10	17								0.9826										0.9826	1.58484
Nitrogen Dioxide	R27	4	19	22	76	10	17								0.9765										0.9765	1.575
Nitrogen Dioxide	R27	4	20	21	79	10	17								0.9824										0.9824	1.58452
Nitrogen Dioxide	R27	4	21	21	80	10	0								0.9795										0	0
Nitrogen Dioxide	R27	4	22	21	81	10	0								0.9766										0	0
Nitrogen Dioxide	R27	4	23	21	82	10	0								0.9737										0	0
Nitrogen Dioxide	R27	4	24	20	82	10	0								0.9886										0	0
Nitrogen Dioxide	R27	5	1	26	91	10	0								0.8501										0	0
Nitrogen Dioxide	R27	5	2	25	92	10	0								0.8681										0	0
Nitrogen Dioxide	R27	5	3	25	92	10	0								0.8681										0	0
Nitrogen Dioxide	R27	5	4	25	91	10	0								0.8718										0	0
Nitrogen Dioxide	R27	5	5	25	92	10	0								0.8681										0	0
Nitrogen Dioxide	R27	5	6	25	93	10	0								0.8644										0	0
Nitrogen Dioxide	R27	5	7	26	91	10	0								0.8501										0	0
Nitrogen Dioxide	R27	5	8	27	85	10	0								0.8525										0	0
Nitrogen Dioxide	R27	5	9	28	80	10	17								0.8524										0.8524	1.37484
Nitrogen Dioxide	R27	5	10	28	78	10	17								0.8613										0.8613	1.38919
Nitrogen Dioxide	R27	5	11	29	77	10	17								0.8444										0.8444	1.36194
Nitrogen Dioxide	R27	5	12	29	75	10	17								0.8539										0.8539	1.37726
Nitrogen Dioxide	R27	5	13	29	74	10	17								0.8587										0.8587	1.385
Nitrogen Dioxide	R27	5	14	29	75	10	17								0.8539										0.8539	1.37726
Nitrogen Dioxide	R27	5	15	29	75	10	17								0.8539										0.8539	1.37726
Nitrogen Dioxide	R27	5	16	29	77	10	17								0.8444										0.8444	1.36194
Nitrogen Dioxide	R27	5	17	28	78	10	17								0.8613										0.8613	1.38919
Nitrogen Dioxide	R27	5	18	28	81	10	17								0.8479										0.8479	1.36758
Nitrogen Dioxide	R27	5	19	27	84	10	17								0.8567										0.8567	1.38177
Nitrogen Dioxide	R27	5	20	27	87	10	17								0.8441										0.8441	1.36145
Nitrogen Dioxide	R27	5	21	27	88	10	0								0.8399										0	0
Nitrogen Dioxide	R27	5	22	26	89	10	0								0.858										0	0
Nitrogen Dioxide	R27	5	23	26	89	10	0								0.858										0	0
Nitrogen Dioxide	R27	5	24	26	90	10	0								0.8541										0	0
Nitrogen Dioxide	R27	6	1	28	88	10	0								0.8166										0	0
Nitrogen Dioxide	R27	6	2	27	89	10	0								0.8357										0	0
Nitrogen Dioxide	R27	6	3	27	89	10	0								0.8357										0	0
Nitrogen Dioxide	R27	6	4	27	88	10	0								0.8399										0	0

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:
(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.
(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Dioxide	R27	6	5	27	89	10	0	-	-	-	-	-	-	-	0.8357	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Dioxide	R27	6	6	27	90	10	0	-	-	-	-	-	-	-	0.8315	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Dioxide	R27	6	7	28	87	10	0	-	-	-	-	-	-	-	0.8211	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Dioxide	R27	6	8	29	82	10	0	-	-	-	-	-	-	-	0.8207	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Dioxide	R27	6	9	29	79	10	17	-	-	-	-	-	-	-	0.8349	-	-	-	-	-	-	-	-	-	0.8349	1.34661
Nitrogen Dioxide	R27	6	10	30	76	10	17	-	-	-	-	-	-	-	0.827	-	-	-	-	-	-	-	-	-	0.827	1.33387
Nitrogen Dioxide	R27	6	11	30	75	10	17	-	-	-	-	-	-	-	0.8321	-	-	-	-	-	-	-	-	-	0.8321	1.3421
Nitrogen Dioxide	R27	6	12	30	74	10	17	-	-	-	-	-	-	-	0.8371	-	-	-	-	-	-	-	-	-	0.8371	1.35016
Nitrogen Dioxide	R27	6	13	31	73	10	17	-	-	-	-	-	-	-	0.8198	-	-	-	-	-	-	-	-	-	0.8198	1.32226
Nitrogen Dioxide	R27	6	14	31	72	10	17	-	-	-	-	-	-	-	0.8252	-	-	-	-	-	-	-	-	-	0.8252	1.33097
Nitrogen Dioxide	R27	6	15	30	74	10	17	-	-	-	-	-	-	-	0.8371	-	-	-	-	-	-	-	-	-	0.8371	1.35016
Nitrogen Dioxide	R27	6	16	30	74	10	17	-	-	-	-	-	-	-	0.8371	-	-	-	-	-	-	-	-	-	0.8371	1.35016
Nitrogen Dioxide	R27	6	17	30	75	10	17	-	-	-	-	-	-	-	0.8321	-	-	-	-	-	-	-	-	-	0.8321	1.3421
Nitrogen Dioxide	R27	6	18	29	79	10	17	-	-	-	-	-	-	-	0.8349	-	-	-	-	-	-	-	-	-	0.8349	1.34661
Nitrogen Dioxide	R27	6	19	29	81	10	17	-	-	-	-	-	-	-	0.8254	-	-	-	-	-	-	-	-	-	0.8254	1.33129
Nitrogen Dioxide	R27	6	20	28	83	10	17	-	-	-	-	-	-	-	0.839	-	-	-	-	-	-	-	-	-	0.839	1.35323
Nitrogen Dioxide	R27	6	21	28	85	10	0	-	-	-	-	-	-	-	0.83	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Dioxide	R27	6	22	28	86	10	0	-	-	-	-	-	-	-	0.8256	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Dioxide	R27	6	23	28	87	10	0	-	-	-	-	-	-	-	0.8211	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Dioxide	R27	6	24	28	87	10	0	-	-	-	-	-	-	-	0.8211	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Dioxide	R27	7	1	28	84	10	0	-	-	-	-	-	-	-	0.8345	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Dioxide	R27	7	2	28	84	10	0	-	-	-	-	-	-	-	0.8345	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Dioxide	R27	7	3	28	86	10	0	-	-	-	-	-	-	-	0.8256	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Dioxide	R27	7	4	28	86	10	0	-	-	-	-	-	-	-	0.8256	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Dioxide	R27	7	5	28	88	10	0	-	-	-	-	-	-	-	0.8166	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Dioxide	R27	7	6	27	88	10	0	-	-	-	-	-	-	-	0.8399	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Dioxide	R27	7	7	28	86	10	0	-	-	-	-	-	-	-	0.8256	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Dioxide	R27	7	8	29	81	10	0	-	-	-	-	-	-	-	0.8254	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Dioxide	R27	7	9	30	76	10	17	-	-	-	-	-	-	-	0.827	-	-	-	-	-	-	-	-	-	0.827	1.33387
Nitrogen Dioxide	R27	7	10	31	70	10	17	-	-	-	-	-	-	-	0.8358	-	-	-	-	-	-	-	-	-	0.8358	1.34806
Nitrogen Dioxide	R27	7	11	31	68	10	17	-	-	-	-	-	-	-	0.8465	-	-	-	-	-	-	-	-	-	0.8465	1.36532
Nitrogen Dioxide	R27	7	12	32	67	10	17	-	-	-	-	-	-	-	0.8304	-	-	-	-	-	-	-	-	-	0.8304	1.33935
Nitrogen Dioxide	R27	7	13	32	66	10	17	-	-	-	-	-	-	-	0.8361	-	-	-	-	-	-	-	-	-	0.8361	1.34855
Nitrogen Dioxide	R27	7	14	32	66	10	17	-	-	-	-	-	-	-	0.8361	-	-	-	-	-	-	-	-	-	0.8361	1.34855
Nitrogen Dioxide	R27	7	15	31	68	10	17	-	-	-	-	-	-	-	0.8465	-	-	-	-	-	-	-	-	-	0.8465	1.36532
Nitrogen Dioxide	R27	7	16	31	69	10	17	-	-	-	-	-	-	-	0.8412	-	-	-	-	-	-	-	-	-	0.8412	1.35677
Nitrogen Dioxide	R27	7	17	31	70	10	17	-	-	-	-	-	-	-	0.8358	-	-	-	-	-	-	-	-	-	0.8358	1.34806
Nitrogen Dioxide	R27	7	18	30	73	10	17	-	-	-	-	-	-	-	0.8421	-	-	-	-	-	-	-	-	-	0.8421	1.35823
Nitrogen Dioxide	R27	7	19	29	76	10	17	-	-	-	-	-	-	-	0.8492	-	-	-	-	-	-	-	-	-	0.8492	1.36968
Nitrogen Dioxide	R27	7	20	29	79	10	17	-	-	-	-	-	-	-	0.8349	-	-	-	-	-	-	-	-	-	0.8349	1.34661
Nitrogen Dioxide	R27	7	21	29	81	10	0	-	-	-	-	-	-	-	0.8254	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Dioxide	R27	7	22	29	82	10	0	-	-	-	-	-	-	-	0.8207	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Dioxide	R27	7	23	28	83	10	0	-	-	-	-	-	-	-	0.839	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Dioxide	R27	7	24	28	84	10	0	-	-	-	-	-	-	-	0.8345	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Dioxide	R27	8	1	27	90	10	0	-	-	-	-	-	-	-	0.8315	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Dioxide	R27	8	2	26	90	10	0	-	-	-	-	-	-	-	0.8541	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Dioxide	R27	8	3	26	91	10	0	-	-	-	-	-	-	-	0.8501	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Dioxide	R27	8	4	26	92	10	0	-	-	-	-	-	-	-	0.8462	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Dioxide	R27	8	5	26	93	10	0	-	-	-	-	-	-	-	0.8423	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Dioxide	R27	8	6	26	94	10	0	-	-	-	-	-	-	-	0.8383	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Dioxide	R27	8	7	26	93	10	0	-	-	-	-	-	-	-	0.8422	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Dioxide	R27	8	8	27	87	10	0	-	-	-	-	-	-	-	0.8441	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Dioxide	R27	8	9	29	81	10	17	-	-	-	-	-	-	-	0.8254	-	-	-	-	-	-	-	-	-	0.8254	1.33129
Nitrogen Dioxide	R27	8	10	30	76	10	17	-	-	-	-	-	-	-	0.827	-	-	-	-	-	-	-	-	-	0.827	1.33387
Nitrogen Dioxide	R27	8	11	30	73	10	17	-	-	-	-	-	-	-	0.8421	-	-	-	-	-	-	-	-	-	0.8421	1.35823
Nitrogen Dioxide	R27	8	12	30	73	10	17	-	-	-	-	-	-	-	0.8421	-	-	-	-	-	-	-	-	-	0.8421	1.35823
Nitrogen Dioxide	R27	8	13	30	74	10	17	-	-	-	-	-	-	-	0.8371	-	-	-	-	-	-	-	-	-	0.8371	1.35016
Nitrogen Dioxide	R27	8	14	30	74	10	17	-	-	-	-	-	-	-	0.8371	-	-	-	-	-	-	-	-	-	0.8371	1.35016
Nitrogen Dioxide	R27	8	15	30	75	10	17	-	-	-	-	-	-	-	0.8321	-	-	-	-	-	-	-	-	-	0.8321	1.3421
Nitrogen Dioxide	R27	8	16	29	77	10	17	-	-	-	-	-	-	-	0.8444	-	-	-	-	-	-	-	-	-	0.8444	1.36194
Nitrogen Dioxide	R27	8	17	29	79	10	17	-	-	-	-	-	-	-	0.8349	-	-	-	-	-	-	-	-	-	0.8349	1.34661
Nitrogen Dioxide	R27	8	18	28	80	10	17	-	-	-	-	-	-	-	0.8524	-	-	-	-	-	-	-	-	-	0.8524	1.37484
Nitrogen Dioxide	R27	8	19	28	82	10	17	-	-	-	-	-	-	-	0.8435	-	-	-	-	-	-	-	-	-	0.8435	1.36048
Nitrogen Dioxide	R27	8	20	28	84	10	17	-	-	-	-	-	-	-	0.8345	-	-	-	-	-	-	-	-	-	0.8345	1.34597
Nitrogen Dioxide	R27	8	21	27	85	10	0	-	-	-	-	-	-	-	0.8525	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Dioxide	R27	8	22	27	87	10	0	-	-	-	-	-	-	-	0.8441	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Dioxide	R27	8	23	27	88	10	0	-	-	-	-	-	-	-	0.8399	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Dioxide	R27	8	24	27	89	10	0	-	-	-	-	-	-	-	0.8357	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Dioxide	R27	9	1	27	89	10	0	-	-	-	-	-	-	-	0.8357	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Dioxide	R27	9	2	26	89	10	0	-	-	-	-	-	-	-	0.858	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Dioxide	R27	9	3	26	91	10	0	-	-	-	-	-	-	-	0.8501	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Dioxide	R27	9	4	26	92	10	0	-	-	-	-	-	-	-	0.8462	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Dioxide	R27	9	5	26	92	10	0	-	-	-	-	-	-	-	0.8462	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Dioxide	R27	9	6	26	93	10	0	-	-	-	-	-	-	-	0.8422	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Dioxide	R27	9	7	26	93	10	0	-	-	-	-	-	-	-	0.8422	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Dioxide	R27	9	8	27	88	10	0	-	-	-	-	-	-	-	0.8399	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Dioxide	R27	9	9	28	83	10	17	-	-	-	-	-	-	-	0.839	-	-	-	-	-	-	-	-	-	0.839	1.35323
Nitrogen Dioxide	R27	9	10	29	78	10	17	-	-	-	-	-	-	-	0.8397	-	-	-	-	-	-	-	-	-	0.8397	1.35435
Nitrogen Dioxide	R27	9	11	29	76	10	17	-	-	-	-	-	-	-	0.8492	-	-	-	-	-	-	-	-	-	0.8492	1.36968
Nitrogen Dioxide	R27	9	12	29	76	10	17	-	-	-	-	-	-	-	0.8492	-	-	-	-	-	-	-	-	-	0.8492	1.36968
Nitrogen Dioxide	R27	9	13	30	75	10	17	-	-	-	-	-	-	-	0.8321	-	-	-	-	-	-	-	-	-	0.8321	1.3421
Nitrogen Dioxide	R27	9	14	29	75	10	17	-	-	-	-	-	-	-	0.8539	-	-	-	-	-	-	-	-	-	0.8539	1.37726
Nitrogen Dioxide	R27	9	15	29	77	10	17	-	-	-	-	-	-	-	0.8444	-	-	-	-	-	-	-	-	-	0.8444	1.36194
Nitrogen Dioxide	R27	9	16	29	76	10	17	-	-	-	-	-	-	-	0.8492	-	-	-	-	-	-	-	-	-	0.8492	1.36968
Nitrogen Dioxide	R27	9	17	29	78	10	17	-	-	-	-	-	-	-	0.8397	-	-	-	-	-	-	-	-	-	0.8397	1.35435
Nitrogen Dioxide	R27	9	18	28	81	10	17	-	-	-	-	-	-	-	0.8479	-	-	-	-	-	-	-	-	-	0.8479	1.36758
Nitrogen Dioxide	R27	9	19	27	84	10	17	-	-	-	-	-	-	-	0.8567	-	-	-	-	-	-	-	-	-	0.8567	1.38177
Nitrogen Dioxide	R27	9	20	27	86	10	17	-	-	-	-	-	-	-	0.8483	-	-	-	-	-	-	-	-	-	0.8483	1.36823
Nitrogen Dioxide	R27	9	21	27	87	10	0	-	-	-	-	-	-	-	0.8441	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Dioxide	R27	9	22	27	89	10	0	-	-	-	-	-	-	-	0.8357	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Dioxide	R27	9	23	27	89	10	0	-	-	-	-	-	-	-	0.8357	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Dioxide	R27	9	24	26	89	10	0	-	-	-	-	-	-	-	0.858	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Dioxide	R27	10	1	24	74	10	0	-	-	-	-	-	-	-	0.9517	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Dioxide	R27	10	2	23	74	10	0	-	-	-	-	-	-	-	0.9676	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Dioxide	R27	10	3	23	74	10	0	-	-	-	-	-	-	-	0.9676	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Dioxide	R27	10	4	23	75	10	0	-	-	-	-	-	-	-	0.9643	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Dioxide	R27	10	5	23	74	10	0	-	-	-	-	-	-	-	0.9676	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Dioxide	R27	10	6	23	75	10	0	-	-	-	-	-	-	-	0.9643	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Dioxide	R27	10	7	23	75	10	0	-	-	-	-	-	-	-	0.9643	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Dioxide	R27	10	8	25	72	10	0	-	-	-	-	-	-	-	0.9742	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Dioxide	R27	10	9	24	69	10	17	-	-	-	-	-	-	-	0.9692	-	-	-	-	-	-	-	-	-	0.9692	1.56323
Nitrogen Dioxide	R27	10	10	25	64	10	17	-	-	-	-	-	-	-	0.9722	-	-	-	-	-	-	-	-	-	0.9722	1.56806
Nitrogen Dioxide	R27	10	11	26	61	10	17	-	-	-	-	-	-	-	0.9688	-	-	-	-	-	-	-	-	-	0.9688	1.56258
Nitrogen Dioxide	R27	10	12	27	60	10	17	-	-	-	-	-	-	-	0.9577	-	-	-	-	-	-	-	-	-	0.9577	1.54468
Nitrogen Dioxide	R27	10	13	27	59	10	17	-	-	-	-	-	-	-	0.9619	-	-	-	-	-	-	-	-	-	0.9619	1.55145
Nitrogen Dioxide	R27	10	14	27	59	10	17	-	-	-	-	-	-	-	0.9619	-	-	-	-	-	-	-	-	-	0.9619	1.55145
Nitrogen Dioxide	R27	10	15	27	60	10	17	-	-	-	-	-	-	-	0.9577	-	-	-	-	-	-	-	-	-	0.9577	1.54468
Nitrogen Dioxide	R27	10	16	27	62	10	17	-	-	-	-	-	-	-	0.9492	-	-	-	-	-	-	-	-	-	0.9492	1.53097
Nitrogen Dioxide	R27	10	17	26	65	10	17	-	-	-	-	-	-	-	0.953	-	-	-	-	-	-	-	-	-	0.953	1.5371
Nitrogen Dioxide	R27	10	18	25	67	10	17	-	-	-	-	-	-	-	0.961	-	-	-	-	-	-	-	-	-	0.961	1.55
Nitrogen Dioxide	R27	10	19	25	69	10	17	-	-	-	-	-	-	-	0.9536	-	-	-	-	-	-	-	-	-	0.9536	1.53806
Nitrogen Dioxide	R27	10	20	25	71	10	17	-	-	-	-	-	-	-	0.9462	-	-	-	-	-	-	-	-	-	0.9462	1.52613
Nitrogen Dioxide	R27	10	21	24	71	10	0	-	-	-	-	-	-	-	0.9622	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Dioxide	R27	10	22	24	71	10	0	-	-	-	-	-	-	-	0.9622	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Dioxide	R27	10	23	24	72	10	0	-	-	-	-	-	-	-	0.9587	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Dioxide	R27	10	24	24	72	10	0	-	-	-	-	-	-	-	0.9587	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Dioxide	R27	11	1	21	75	10	0	-	-	-	-	-	-	-	0.9939	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Dioxide	R27	11	2	21	74	10	0	-	-	-	-	-	-	-	0.9968	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Dioxide	R27	11	3	21	74	10	0	-	-	-	-	-	-	-	0.9968	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Dioxide	R27	11	4	21	74	10	0	-	-	-	-	-	-	-	0.9968	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Dioxide	R27	11	5	21	74	10	0	-	-	-	-	-	-	-	0.9968	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Dioxide	R27	11	6	21	73	10	0	-	-	-	-	-	-	-	0.9997	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Dioxide	R27	11	7	21	73	10	0	-	-	-	-	-	-	-	0.9997	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Dioxide	R27	11	8	21	70	10	0	-	-	-	-	-	-	-	1.0083	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Dioxide	R27	11	9	22	66	10	17	-	-	-	-	-	-	-	1.0072	-	-	-	-	-	-	-	-	-	1.0072	1.62452
Nitrogen Dioxide	R27	11	10	23	61	10	17	-	-	-	-	-	-	-	1.0102	-	-	-	-	-	-	-	-	-	1.0102	1.62935
Nitrogen Dioxide	R27	11	11	25	57	10	17	-	-	-	-	-	-	-	0.9982	-	-	-	-	-	-	-	-	-	0.9982	1.61
Nitrogen Dioxide	R27	11	12	25	56	10	17	-	-	-	-	-	-	-	1.0019	-	-	-	-	-	-	-	-	-	1.0019	1.61597
Nitrogen Dioxide	R27	11	13	25	56	10	17	-	-	-	-	-	-	-	1.0019	-	-	-	-	-	-	-	-	-	1.0019	1.61597
Nitrogen Dioxide	R27	11	14	26	56	10	17	-	-	-	-	-	-	-	0.9885	-	-	-	-	-	-	-	-	-	0.9885	1.59435
Nitrogen Dioxide	R27	11	15	26	57	10	17	-	-	-	-	-	-	-	0.9846	-	-	-	-	-	-	-	-	-	0.9846	1.58806
Nitrogen Dioxide	R27	11	16	25	58	10	17	-	-	-	-	-	-	-	0.9945	-	-	-	-	-	-	-	-	-	0.9945	1.60403
Nitrogen Dioxide	R27	11	17	24	63	10	17	-	-	-	-	-	-	-	0.9901	-	-	-	-	-	-	-	-	-	0.9901	1.59694
Nitrogen Dioxide	R27	11	18	23	66	10	17	-	-	-	-	-	-	-	0.9938	-	-	-	-	-	-	-	-	-	0.9938	1.6029
Nitrogen Dioxide	R27	11	19	23	70	10	17	-	-	-	-	-	-	-	0.9807	-	-	-	-	-	-	-	-	-	0.9807	1.58177
Nitrogen Dioxide	R27	11	20	22	70	10	17	-	-	-	-	-	-	-	0.9949	-	-	-	-	-	-	-	-	-	0.9949	1.60468
Nitrogen Dioxide	R27	11	21	22	72	10	0	-	-	-	-	-	-	-	0.9888	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Dioxide	R27	11	22	22	74	10	0	-	-	-	-	-	-	-	0.9826	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Dioxide	R27	11	23	22	74	10	0	-	-	-	-	-	-	-	0.9826	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Dioxide	R27	11	24	21	74	10	0	-	-	-	-	-	-	-	0.9968	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Dioxide	R27	12	1	16	68	10	0	-	-	-	-	-	-	-	1.069	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Dioxide	R27	12	2	16	69	10	0	-	-	-	-	-	-	-	1.0669	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Dioxide	R27	12	3	16	69	10	0	-	-	-	-	-	-	-	1.0669	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Dioxide	R27	12	4	15	70	10	0	-	-	-	-	-	-	-	1.0742	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Dioxide	R27	12	5	15	70	10	0	-	-	-	-	-	-	-	1.0742	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Dioxide	R27	12	6	15	70	10	0	-	-	-	-	-	-	-	1.0742	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Dioxide	R27	12	7	15	70	10	0	-	-	-	-	-	-	-	1.0743	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Dioxide	R27	12	8	15	69	10	0	-	-	-	-	-	-	-	1.0761	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Dioxide	R27	12	9	16	65	10	17	-	-	-	-	-	-	-	1.0752	-	-	-	-	-	-	-	-	-	1.0752	1.73419

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:
(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.
(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Dioxide	R27	12	10	17	62	10	17								1.0726										1.0726	1.73
Nitrogen Dioxide	R27	12	11	18	58	10	17								1.0727										1.0727	1.73016
Nitrogen Dioxide	R27	12	12	19	57	10	17								1.0658										1.0658	1.71903
Nitrogen Dioxide	R27	12	13	19	56	10	17								1.0684										1.0684	1.72323
Nitrogen Dioxide	R27	12	14	19	56	10	17								1.0684										1.0684	1.72323
Nitrogen Dioxide	R27	12	15	19	56	10	17								1.0684										1.0684	1.72323
Nitrogen Dioxide	R27	12	16	19	57	10	17								1.0658										1.0658	1.71903
Nitrogen Dioxide	R27	12	17	18	60	10	17								1.0679										1.0679	1.72242
Nitrogen Dioxide	R27	12	18	18	64	10	17								1.0584										1.0584	1.7071
Nitrogen Dioxide	R27	12	19	17	65	10	17								1.0659										1.0659	1.71919
Nitrogen Dioxide	R27	12	20	17	66	10	17								1.0637										1.0637	1.71565
Nitrogen Dioxide	R27	12	21	17	66	10	0								1.0637										0	0
Nitrogen Dioxide	R27	12	22	16	66	10	0								1.0731										0	0
Nitrogen Dioxide	R27	12	23	16	66	10	0								1.0731										0	0
Nitrogen Dioxide	R27	12	24	16	67	10	0								1.071										0	0
Nitrogen Dioxide	R28	1	1	17	76	10	0								1.0415										0	0
Nitrogen Dioxide	R28	1	2	17	77	10	0								1.0393										0	0
Nitrogen Dioxide	R28	1	3	17	77	10	0								1.0393										0	0
Nitrogen Dioxide	R28	1	4	17	77	10	0								1.0393										0	0
Nitrogen Dioxide	R28	1	5	17	78	10	0								1.0371										0	0
Nitrogen Dioxide	R28	1	6	17	77	10	0								1.0393										0	0
Nitrogen Dioxide	R28	1	7	16	77	10	0								1.0503										0	0
Nitrogen Dioxide	R28	1	8	17	77	10	0								1.0393										0	0
Nitrogen Dioxide	R28	1	9	17	73	10	17								1.0482										1.0482	1.69065
Nitrogen Dioxide	R28	1	10	19	69	10	17								1.0355										1.0355	1.67016
Nitrogen Dioxide	R28	1	11	20	64	10	17								1.0372										1.0372	1.6729
Nitrogen Dioxide	R28	1	12	21	62	10	17								1.0314										1.0314	1.66355
Nitrogen Dioxide	R28	1	13	21	61	10	17								1.0343										1.0343	1.66823
Nitrogen Dioxide	R28	1	14	21	62	10	17								1.0314										1.0314	1.66355
Nitrogen Dioxide	R28	1	15	21	62	10	17								1.0314										1.0314	1.66355
Nitrogen Dioxide	R28	1	16	21	63	10	17								1.0285										1.0285	1.65887
Nitrogen Dioxide	R28	1	17	20	67	10	17								1.0291										1.0291	1.65984
Nitrogen Dioxide	R28	1	18	19	72	10	17								1.0279										1.0279	1.6579
Nitrogen Dioxide	R28	1	19	18	74	10	17								1.0348										1.0348	1.66903
Nitrogen Dioxide	R28	1	20	18	74	10	17								1.0348										1.0348	1.66903
Nitrogen Dioxide	R28	1	21	18	75	10	0								1.0324										0	0
Nitrogen Dioxide	R28	1	22	18	76	10	0								1.03										0	0
Nitrogen Dioxide	R28	1	23	18	75	10	0								1.0324										0	0
Nitrogen Dioxide	R28	1	24	17	76	10	0								1.0415										0	0
Nitrogen Dioxide	R28	2	1	17	78	10	0								1.0371										0	0
Nitrogen Dioxide	R28	2	2	17	80	10	0								1.0327										0	0
Nitrogen Dioxide	R28	2	3	17	81	10	0								1.0305										0	0
Nitrogen Dioxide	R28	2	4	17	82	10	0								1.0282										0	0
Nitrogen Dioxide	R28	2	5	16	83	10	0								1.0378										0	0
Nitrogen Dioxide	R28	2	6	16	83	10	0								1.0378										0	0
Nitrogen Dioxide	R28	2	7	16	83	10	0								1.0378										0	0
Nitrogen Dioxide	R28	2	8	17	81	10	0								1.0305										0	0
Nitrogen Dioxide	R28	2	9	18	77	10	17								1.0277										1.0277	1.65758
Nitrogen Dioxide	R28	2	10	19	73	10	17								1.0254										1.0254	1.65387
Nitrogen Dioxide	R28	2	11	20	70	10	17								1.021										1.021	1.64677
Nitrogen Dioxide	R28	2	12	20	68	10	17								1.0264										1.0264	1.65548
Nitrogen Dioxide	R28	2	13	21	65	10	17								1.0227										1.0227	1.64952
Nitrogen Dioxide	R28	2	14	21	65	10	17								1.0227										1.0227	1.64952
Nitrogen Dioxide	R28	2	15	21	66	10	17								1.0199										1.0199	1.645
Nitrogen Dioxide	R28	2	16	20	68	10	17								1.0264										1.0264	1.65548
Nitrogen Dioxide	R28	2	17	20	70	10	17								1.021										1.021	1.64677
Nitrogen Dioxide	R28	2	18	19	74	10	17								1.0228										1.0228	1.64968
Nitrogen Dioxide	R28	2	19	18	76	10	17								1.03										1.03	1.66129
Nitrogen Dioxide	R28	2	20	18	78	10	17								1.0253										1.0253	1.65371
Nitrogen Dioxide	R28	2	21	18	78	10	0								1.0253										0	0
Nitrogen Dioxide	R28	2	22	18	78	10	0								1.0253										0	0
Nitrogen Dioxide	R28	2	23	18	78	10	0								1.0253										0	0
Nitrogen Dioxide	R28	2	24	18	78	10	0								1.0253										0	0
Nitrogen Dioxide	R28	3	1	21	86	10	0								0.9622										0	0
Nitrogen Dioxide	R28	3	2	20	87	10	0								0.9751										0	0
Nitrogen Dioxide	R28	3	3	20	87	10	0								0.9751										0	0
Nitrogen Dioxide	R28	3	4	20	87	10	0								0.9751										0	0
Nitrogen Dioxide	R28	3	5	20	87	10	0								0.9751										0	0
Nitrogen Dioxide	R28	3	6	20	87	10	0								0.9751										0	0
Nitrogen Dioxide	R28	3	7	20	87	10	0								0.9751										0	0
Nitrogen Dioxide	R28	3	8	20	86	10	0								0.9778										0	0
Nitrogen Dioxide	R28	3	9	21	83	10	17								0.9709										0.9709	1.56597
Nitrogen Dioxide	R28	3	10	22	79	10	17								0.9672										0.9672	1.56
Nitrogen Dioxide	R28	3	11	22	78	10	17								0.9703										0.9703	1.565
Nitrogen Dioxide	R28	3	12	23	77	10	17								0.9578										0.9578	1.54484
Nitrogen Dioxide	R28	3	13	23	77	10	17								0.9578										0.9578	1.54484
Nitrogen Dioxide	R28	3	14	23	77	10	17								0.9578										0.9578	1.54484
Nitrogen Dioxide	R28	3	15	23	76	10	17								0.961										0.961	1.55
Nitrogen Dioxide	R28	3	16	23	77	10	17								0.9578										0.9578	1.54484
Nitrogen Dioxide	R28	3	17	22	79	10	17								0.9672										0.9672	1.56
Nitrogen Dioxide	R28	3	18	22	82	10	17								0.958										0.958	1.54516
Nitrogen Dioxide	R28	3	19	21	84	10	17								0.968										0.968	1.56129
Nitrogen Dioxide	R28	3	20	21	85	10	17								0.9651										0.9651	1.55661
Nitrogen Dioxide	R28	3	21	21	86	10	0								0.9622										0	0
Nitrogen Dioxide	R28	3	22	21	86	10	0								0.9622										0	0
Nitrogen Dioxide	R28	3	23	21	85	10	0								0.9651										0	0
Nitrogen Dioxide	R28	3	24	21	86	10	0								0.9622										0	0
Nitrogen Dioxide	R28	4	1	20	83	10	0								0.9859										0	0
Nitrogen Dioxide	R28	4	2	20	85	10	0								0.9805										0	0
Nitrogen Dioxide	R28	4	3	20	84	10	0								0.9832										0	0
Nitrogen Dioxide	R28	4	4	20	85	10	0								0.9805										0	0
Nitrogen Dioxide	R28	4	5	19	84	10	0								0.9975										0	0
Nitrogen Dioxide	R28	4	6	19	84	10	0								0.9975										0	0
Nitrogen Dioxide	R28	4	7	20	84	10	0								0.9832										0	0
Nitrogen Dioxide	R28	4	8	21	79	10	0								0.9824										0	0
Nitrogen Dioxide	R28	4	9	22	73	10	17								0.9857										0.9857	1.58984
Nitrogen Dioxide	R28	4	10	23	69	10	17								0.984										0.984	1.5871
Nitrogen Dioxide	R28	4	11	23	68	10	17								0.9873										0.9873	1.59242
Nitrogen Dioxide	R28	4	12	24	66	10	17								0.9797										0.9797	1.58016
Nitrogen Dioxide	R28	4	13	24	65	10	17								0.9832										0.9832	1.58581
Nitrogen Dioxide	R28	4	14	24	66	10	17								0.9797										0.9797	1.58016
Nitrogen Dioxide	R28	4	15	24	66	10	17								0.9797										0.9797	1.58016
Nitrogen Dioxide	R28	4	16	24	67	10	17								0.9762										0.9762	1.57452
Nitrogen Dioxide	R28	4	17	23	69	10	17								0.984										0.984	1.5871
Nitrogen Dioxide	R28	4	18	22	74	10	17								0.9826										0.9826	1.58484
Nitrogen Dioxide	R28	4	19	22	76	10	17								0.9765										0.9765	1.575
Nitrogen Dioxide	R28	4	20	21	79	10	17								0.9824										0.9824	1.58452
Nitrogen Dioxide	R28	4	21	21	80	10	0								0.9795										0	0
Nitrogen Dioxide	R28	4	22	21	81	10	0								0.9766										0	0
Nitrogen Dioxide	R28	4	23	21	82	10	0								0.9737										0	0
Nitrogen Dioxide	R28	4	24	20	82	10	0								0.9886										0	0
Nitrogen Dioxide	R28	5	1	26	91	10	0								0.8501										0	0
Nitrogen Dioxide	R28	5	2	25	92	10	0								0.8681										0	0
Nitrogen Dioxide	R28	5	3	25	92	10	0								0.8681										0	0
Nitrogen Dioxide	R28	5	4	25	91	10	0								0.8718										0	0
Nitrogen Dioxide	R28	5	5	25	92	10	0								0.8681										0	0
Nitrogen Dioxide	R28	5	6	25	93	10	0								0.8644										0	0
Nitrogen Dioxide	R28	5	7	26	91	10	0								0.8501										0	0
Nitrogen Dioxide	R28	5	8	27	85	10	0								0.8525										0	0
Nitrogen Dioxide	R28	5	9	28	80	10	17								0.8524										0.8524	1.37484
Nitrogen Dioxide	R28	5	10	28	78	10	17								0.8613										0.8613	1.38919
Nitrogen Dioxide	R28	5	11	29	77	10	17								0.8444										0.8444	1.36194
Nitrogen Dioxide	R28	5	12	29	75	10	17								0.8539										0.8539	1.37726
Nitrogen Dioxide	R28	5	13	29	74	10	17								0.8587										0.8587	1.385
Nitrogen Dioxide	R28	5	14	29	75	10	17								0.8539										0.8539	1.37726
Nitrogen Dioxide	R28	5	15	29	75	10	17								0.8539										0.8539	1.37726
Nitrogen Dioxide	R28	5	16	29	77	10	17								0.8444										0.8444	1.36194
Nitrogen Dioxide	R28	5	17	28	78	10	17								0.8613										0.8613	1.38919
Nitrogen Dioxide	R28	5	18	28	81	10	17								0.8479										0.8479	1.36758
Nitrogen Dioxide	R28	5	19	27	84	10	17								0.8567										0.8567	1.38177
Nitrogen Dioxide	R28	5	20	27	87	10	17								0.8441										0.8441	1.36145
Nitrogen Dioxide	R28	5	21	27	88	10	0								0.8399										0	0
Nitrogen Dioxide	R28	5	22	26	89	10	0								0.858										0	0
Nitrogen Dioxide	R28	5	23	26	89	10	0								0.858										0	0
Nitrogen Dioxide	R28	5	24	26	90	10	0								0.8541										0	0
Nitrogen Dioxide	R28	6	1	28	88	10	0								0.8166										0	0
Nitrogen Dioxide	R28	6	2	27	89	10	0								0.8357										0	0
Nitrogen Dioxide	R28	6	3	27	89	10	0								0.8357										0	0
Nitrogen Dioxide	R28	6	4	27	88	10	0								0.8399										0	0
Nitrogen Dioxide	R28	6	5	27	89	10	0								0.8337										0	0
Nitrogen Dioxide	R28	6	6	27	90	10	0								0.8315										0	0
Nitrogen Dioxide	R28	6	7	28	87	10	0								0.8211										0	0
Nitrogen Dioxide	R28	6	8	29	82	10	0								0.8207										0	0
Nitrogen Dioxide	R28	6	9	29	79	10	17								0.8349										0.8349	1.34661
Nitrogen Dioxide	R28	6	10	30	76	10	17								0.827										0.827	1.33387
Nitrogen Dioxide	R28	6	11	30	75	10	17								0.8321										0.8321	1.3421
Nitrogen Dioxide	R28	6	12	30	74	10	17								0.8371										0.8371	1.35016
Nitrogen Dioxide	R28	6	13	31	73	10	17								0.8198										0.8198	1.32226
Nitrogen Dioxide	R28	6	14	31	72	10	17								0.8252										0.8252	1.33097

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:
(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.
(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Dioxide	R28	6	15	30	74	10	17								0.8371										0.8371	1.35016
Nitrogen Dioxide	R28	6	16	30	74	10	17								0.8371										0.8371	1.35016
Nitrogen Dioxide	R28	6	17	30	75	10	17								0.8321										0.8321	1.3421
Nitrogen Dioxide	R28	6	18	29	79	10	17								0.8349										0.8349	1.34661
Nitrogen Dioxide	R28	6	19	29	81	10	17								0.8254										0.8254	1.33129
Nitrogen Dioxide	R28	6	20	28	83	10	17								0.839										0.839	1.35323
Nitrogen Dioxide	R28	6	21	28	85	10	0								0.83										0	0
Nitrogen Dioxide	R28	6	22	28	86	10	0								0.8256										0	0
Nitrogen Dioxide	R28	6	23	28	87	10	0								0.8211										0	0
Nitrogen Dioxide	R28	6	24	28	87	10	0								0.8211										0	0
Nitrogen Dioxide	R28	7	1	28	84	10	0								0.8345										0	0
Nitrogen Dioxide	R28	7	2	28	84	10	0								0.8345										0	0
Nitrogen Dioxide	R28	7	3	28	86	10	0								0.8256										0	0
Nitrogen Dioxide	R28	7	4	28	86	10	0								0.8256										0	0
Nitrogen Dioxide	R28	7	5	28	88	10	0								0.8166										0	0
Nitrogen Dioxide	R28	7	6	27	88	10	0								0.8399										0	0
Nitrogen Dioxide	R28	7	7	28	86	10	0								0.8256										0	0
Nitrogen Dioxide	R28	7	8	29	81	10	0								0.8254										0	0
Nitrogen Dioxide	R28	7	9	30	76	10	17								0.827										0.827	1.33387
Nitrogen Dioxide	R28	7	10	31	70	10	17								0.8358										0.8358	1.34806
Nitrogen Dioxide	R28	7	11	31	68	10	17								0.8465										0.8465	1.36532
Nitrogen Dioxide	R28	7	12	32	67	10	17								0.8304										0.8304	1.33935
Nitrogen Dioxide	R28	7	13	32	66	10	17								0.8361										0.8361	1.34855
Nitrogen Dioxide	R28	7	14	32	66	10	17								0.8361										0.8361	1.34855
Nitrogen Dioxide	R28	7	15	31	68	10	17								0.8465										0.8465	1.36532
Nitrogen Dioxide	R28	7	16	31	69	10	17								0.8412										0.8412	1.35677
Nitrogen Dioxide	R28	7	17	31	70	10	17								0.8358										0.8358	1.34806
Nitrogen Dioxide	R28	7	18	30	73	10	17								0.8421										0.8421	1.35823
Nitrogen Dioxide	R28	7	19	29	76	10	17								0.8492										0.8492	1.36968
Nitrogen Dioxide	R28	7	20	29	79	10	17								0.8349										0.8349	1.34661
Nitrogen Dioxide	R28	7	21	29	81	10	0								0.8254										0	0
Nitrogen Dioxide	R28	7	22	29	82	10	0								0.8207										0	0
Nitrogen Dioxide	R28	7	23	28	83	10	0								0.839										0	0
Nitrogen Dioxide	R28	7	24	28	84	10	0								0.8345										0	0
Nitrogen Dioxide	R28	8	1	27	90	10	0								0.8315										0	0
Nitrogen Dioxide	R28	8	2	26	90	10	0								0.8541										0	0
Nitrogen Dioxide	R28	8	3	26	91	10	0								0.8501										0	0
Nitrogen Dioxide	R28	8	4	26	92	10	0								0.8462										0	0
Nitrogen Dioxide	R28	8	5	26	93	10	0								0.8422										0	0
Nitrogen Dioxide	R28	8	6	26	94	10	0								0.8383										0	0
Nitrogen Dioxide	R28	8	7	26	93	10	0								0.8422										0	0
Nitrogen Dioxide	R28	8	8	27	87	10	0								0.8441										0	0
Nitrogen Dioxide	R28	8	9	29	81	10	17								0.8254										0.8254	1.33129
Nitrogen Dioxide	R28	8	10	30	76	10	17								0.827										0.827	1.33387
Nitrogen Dioxide	R28	8	11	30	73	10	17								0.8421										0.8421	1.35823
Nitrogen Dioxide	R28	8	12	30	73	10	17								0.8421										0.8421	1.35823
Nitrogen Dioxide	R28	8	13	30	74	10	17								0.8371										0.8371	1.35016
Nitrogen Dioxide	R28	8	14	30	74	10	17								0.8371										0.8371	1.35016
Nitrogen Dioxide	R28	8	15	30	75	10	17								0.8321										0.8321	1.3421
Nitrogen Dioxide	R28	8	16	29	77	10	17								0.8444										0.8444	1.36194
Nitrogen Dioxide	R28	8	17	29	79	10	17								0.8349										0.8349	1.34661
Nitrogen Dioxide	R28	8	18	28	80	10	17								0.8524										0.8524	1.37484
Nitrogen Dioxide	R28	8	19	28	82	10	17								0.8435										0.8435	1.36048
Nitrogen Dioxide	R28	8	20	28	84	10	17								0.8345										0.8345	1.34597
Nitrogen Dioxide	R28	8	21	27	85	10	0								0.8525										0	0
Nitrogen Dioxide	R28	8	22	27	87	10	0								0.8441										0	0
Nitrogen Dioxide	R28	8	23	27	88	10	0								0.8399										0	0
Nitrogen Dioxide	R28	8	24	27	89	10	0								0.8357										0	0
Nitrogen Dioxide	R28	9	1	27	89	10	0								0.8357										0	0
Nitrogen Dioxide	R28	9	2	26	89	10	0								0.858										0	0
Nitrogen Dioxide	R28	9	3	26	91	10	0								0.8501										0	0
Nitrogen Dioxide	R28	9	4	26	92	10	0								0.8462										0	0
Nitrogen Dioxide	R28	9	5	26	92	10	0								0.8462										0	0
Nitrogen Dioxide	R28	9	6	26	93	10	0								0.8422										0	0
Nitrogen Dioxide	R28	9	7	26	93	10	0								0.8422										0	0
Nitrogen Dioxide	R28	9	8	27	88	10	0								0.8399										0	0
Nitrogen Dioxide	R28	9	9	28	83	10	17								0.839										0.839	1.35323
Nitrogen Dioxide	R28	9	10	29	78	10	17								0.8397										0.8397	1.35435
Nitrogen Dioxide	R28	9	11	29	76	10	17								0.8492										0.8492	1.36968
Nitrogen Dioxide	R28	9	12	29	76	10	17								0.8492										0.8492	1.36968
Nitrogen Dioxide	R28	9	13	30	75	10	17								0.8321										0.8321	1.3421
Nitrogen Dioxide	R28	9	14	29	75	10	17								0.8539										0.8539	1.37726
Nitrogen Dioxide	R28	9	15	29	77	10	17								0.8444										0.8444	1.36194
Nitrogen Dioxide	R28	9	16	29	76	10	17								0.8492										0.8492	1.36968
Nitrogen Dioxide	R28	9	17	29	78	10	17								0.8397										0.8397	1.35435
Nitrogen Dioxide	R28	9	18	28	81	10	17								0.8479										0.8479	1.36758
Nitrogen Dioxide	R28	9	19	27	84	10	17								0.8567										0.8567	1.38177
Nitrogen Dioxide	R28	9	20	27	86	10	17								0.8483										0.8483	1.36823
Nitrogen Dioxide	R28	9	21	27	87	10	0								0.8441										0	0
Nitrogen Dioxide	R28	9	22	27	89	10	0								0.8357										0	0
Nitrogen Dioxide	R28	9	23	27	89	10	0								0.8357										0	0
Nitrogen Dioxide	R28	9	24	26	89	10	0								0.858										0	0
Nitrogen Dioxide	R28	10	1	24	74	10	0								0.9517										0	0
Nitrogen Dioxide	R28	10	2	23	74	10	0								0.9676										0	0
Nitrogen Dioxide	R28	10	3	23	74	10	0								0.9676										0	0
Nitrogen Dioxide	R28	10	4	23	75	10	0								0.9643										0	0
Nitrogen Dioxide	R28	10	5	23	74	10	0								0.9676										0	0
Nitrogen Dioxide	R28	10	6	23	75	10	0								0.9643										0	0
Nitrogen Dioxide	R28	10	7	23	75	10	0								0.9643										0	0
Nitrogen Dioxide	R28	10	8	23	72	10	0								0.9742										0	0
Nitrogen Dioxide	R28	10	9	24	69	10	17								0.9692										0.9692	1.56323
Nitrogen Dioxide	R28	10	10	25	64	10	17								0.9722										0.9722	1.56806
Nitrogen Dioxide	R28	10	11	26	61	10	17								0.9688										0.9688	1.56258
Nitrogen Dioxide	R28	10	12	27	60	10	17								0.9577										0.9577	1.54468
Nitrogen Dioxide	R28	10	13	27	59	10	17								0.9619										0.9619	1.55145
Nitrogen Dioxide	R28	10	14	27	59	10	17								0.9619										0.9619	1.55145
Nitrogen Dioxide	R28	10	15	27	60	10	17								0.9577										0.9577	1.54468
Nitrogen Dioxide	R28	10	16	27	62	10	17								0.9492										0.9492	1.53097
Nitrogen Dioxide	R28	10	17	26	65	10	17								0.953										0.953	1.5371
Nitrogen Dioxide	R28	10	18	25	67	10	17								0.961										1.55	1.55
Nitrogen Dioxide	R28	10	19	25	69	10	17								0.9536										0.9536	1.53806
Nitrogen Dioxide	R28	10	20	25	71	10	17								0.9462										0.9462	1.52613
Nitrogen Dioxide	R28	10	21	24	71	10	0								0.9622										0	0
Nitrogen Dioxide	R28	10	22	24	71	10	0								0.9622										0	0
Nitrogen Dioxide	R28	10	23	24	72	10	0								0.9587										0	0
Nitrogen Dioxide	R28	10	24	24	72	10	0								0.9587										0	0
Nitrogen Dioxide	R28	11	1	21	75	10	0								0.9939										0	0
Nitrogen Dioxide	R28	11	2	21	74	10	0								0.9968										0	0
Nitrogen Dioxide	R28	11	3	21	74	10	0								0.9968										0	0
Nitrogen Dioxide	R28	11	4	21	74	10	0								0.9968										0	0
Nitrogen Dioxide	R28	11	5	21	74	10	0								0.9968										0	0
Nitrogen Dioxide	R28	11	6	21	73	10	0								0.9997										0	0
Nitrogen Dioxide	R28	11	7	21	73	10	0								0.9997										0	0
Nitrogen Dioxide	R28	11	8	21	70	10	0								1.0083										0	0
Nitrogen Dioxide	R28	11	9	22	66	10	17								1.0072										1.0072	1.62452
Nitrogen Dioxide	R28	11	10	23	61	10	17								1.0102										1.0102	1.62935
Nitrogen Dioxide	R28	11	11	25	57	10	17								0.9982										1.61	1.61
Nitrogen Dioxide	R28	11	12	25	56	10	17								1.0019										1.0019	1.61597
Nitrogen Dioxide	R28	11	13	25	56	10	17								1.0019										1.0019	1.61597
Nitrogen Dioxide	R28	11	14	26	56	10	17								0.9885										0.9885	1.59435
Nitrogen Dioxide	R28	11	15	26	57	10	17								0.9846										0.9846	1.58806
Nitrogen Dioxide	R28	11	16	25	58	10	17								0.9945										0.9945	1.60403
Nitrogen Dioxide	R28	11	17	24	63	10	17								0.9901										0.9901	1.59694
Nitrogen Dioxide	R28	11	18	23	66	10	17								0.9938										0.9938	1.6029
Nitrogen Dioxide	R28	11	19	23	70	10	17								0.9807										0.9807	1.58177
Nitrogen Dioxide	R28	11	20	22	70	10	17								0.9949										0.9949	1.60468
Nitrogen Dioxide	R28	11	21	22	72	10	0								0.9888										0	0
Nitrogen Dioxide	R28	11	22	22	74	10	0								0.9826										0	0
Nitrogen Dioxide	R28	11	23	22	74	10	0								0.9826										0	0
Nitrogen Dioxide	R28	11	24	21	74	10	0								0.9968										0	0
Nitrogen Dioxide	R28	12	1	16	68	10	0								1.069										0	0
Nitrogen Dioxide	R28	12	2	16	69	10	0								1.0669										0	0
Nitrogen Dioxide	R28	12	3	16	69	10	0								1.0669										0	0
Nitrogen Dioxide	R28	12	4	15	70	10	0								1.0742										0	0
Nitrogen Dioxide	R28	12	5	15	70	10	0								1.0742										0	0
Nitrogen Dioxide	R28	12	6	15	70	10	0								1.0742										0	0
Nitrogen Dioxide	R28	12	7	15	70	10	0								1.0742										0	0
Nitrogen Dioxide	R28	12	8	15	69	10	0								1.0761										0	0
Nitrogen Dioxide	R28	12	9	16	65	10	17								1.0752										1.0752	1.73419
Nitrogen Dioxide	R28	12	10	17	62	10	17								1.0726										1.0726	1.73
Nitrogen Dioxide	R28	12	11	18	58	10	17								1.0727										1.0727	1.73016
Nitrogen Dioxide	R28	12	12	19	57	10	17								1.0658										1.0658	1.71903
Nitrogen Dioxide	R28	12	13	19	56	10	17								1.0684										1.0684	1.72323
Nitrogen Dioxide	R28	12	14	19	56	10	17								1.0684										1.0684	1.72323
Nitrogen Dioxide	R28	12	15	19	56	10	17								1.0684										1.0684	1.72323
Nitrogen Dioxide	R28	12	16	19	57	10	17								1.0658										1.0658	1.71903
Nitrogen Dioxide	R28	12	17	18	60	10	17								1.0679										1.0679	1.72242
Nitrogen Dioxide	R28	12	18	18	64	10	17								1.0584										1.0584	1.7071
Nitrogen Dioxide	R28	12	19	17	65	10	17								1.0659										1.0659	1.71919

Annex A3 - Composite Vehicular Emission Factors for NO and NO_2 (For Annual NO_2 Assessment)

Note:
(a) The data presented under "Average Temperature" and "Average Relative Humidity" are the average of temperature and relative humidity respectively in all same hours in each corresponding month, taken from the Hong Kong Observatory's Weather Station - Tuen Mun Children and Juvenile Home (TU1) in Year 2020.
(b) The vehicular emission factor of each class is taken from EMFAC-HK (v4.2) based on the "Average Temperature" , "Average Relative Humidity" and "Average Speed".

Unit	Parameter
degree Celsius	Average Temperature
%	Average Relative Humidity
km/h	Average Speed
g/km/veh	PC, TAXI, LGV3, LGV4, LGV6, HGV7, HGV8, HGV8b, PLB, PV4, PV5, NFB6, NFB7, NFB8, FBSD, FBDD, MC
g/km/veh	Composite Vehicular Emission Factor (km)
g/mile/veh	Composite Vehicular Emission Factor (mile)

Pollutant	Road_ID	Month	Hour	Average Temperature	Average Relative Humidity	Average Speed	Total Flow	PC	TAXI	LGV3	LGV4	LGV6	HGV7	HGV8	HGV8b	PLB	PV4	PV5	NFB6	NFB7	NFB8	FBSD	FBDD	MC	Composite Vehicular Emission Factor (km)	Composite Vehicular Emission Factor (mile)
Nitrogen Dioxide	R28	12	20	17	66	10	17	-	-	-	-	-	-	-	1.0637	-	-	-	-	-	-	-	-	-	1.0637	1.71565
Nitrogen Dioxide	R28	12	21	17	66	10	0	-	-	-	-	-	-	-	1.0637	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Dioxide	R28	12	22	16	66	10	0	-	-	-	-	-	-	-	1.0731	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Dioxide	R28	12	23	16	66	10	0	-	-	-	-	-	-	-	1.0731	-	-	-	-	-	-	-	-	-	0	0
Nitrogen Dioxide	R28	12	24	16	67	10	0	-	-	-	-	-	-	-	1.071	-	-	-	-	-	-	-	-	-	0	0

Annex A3 - Configurations of Roads

No.	Road ID	Road Name	Starting Co		Width	Height	Model Height	Ending Co		Road Type
			X-co	Y-co	(m)	(m)	(m)	X-co	Y-co	
1	TM1	TM1_Lung Mun Road	811948	825382	16	11.6	6.6	811771	825461	1
2	TM2	TM2_Unnamed Road to River Trade Terminal	811771	825461	25	6.3	1.3	811726	825328	1
3	TM3	TM3_Lung Mun Road	811771	825461	16	8.1	3.1	811376	825635	1
4	TM5	TM5_Lung Mun Road	811376	825635	13	7.4	2.4	811235	825684	1
5	TM5	TM5_Lung Mun Road	811235	825684	13	7.1	2.1	811113	825690	1
6	TM5	TM5_Lung Mun Road	811113	825690	20	6.8	1.8	810874	825651	1
7	TM7	TM7_Siu Lang Shui Road	810951	825787	13	12.4	7.4	811051	825800	1
8	TM7	TM7_Siu Lang Shui Road	811051	825800	13	14.8	9.8	811208	825774	1
9	TM7	TM7_Siu Lang Shui Road	811208	825774	13	15.0	10.0	811364	825727	1
10	TM7	TM7_Siu Lang Shui Road	811364	825727	13	16.5	10.0	811513	825627	1
11	TM8	TM8_Unnamed Road to Cemetery	810951	825787	13	9.1	4.1	810916	825860	1
12	TM8	TM8_Unnamed Road to Cemetery	810916	825860	12	17.5	10.0	810946	826041	1
13	TM8	TM8_Unnamed Road to Cemetery	810946	826041	12	23.1	10.0	810936	826119	1
14	TM9	TM9_Siu Lang Shui Road	810867	825744	15	8.5	3.5	810951	825787	1
15	TM10	TM10_Lung Fat Street	810874	825651	22	7.7	2.7	810867	825744	1
16	TM11	TM11_Lung Mun Road	810874	825651	22	6.9	1.9	810666	825675	1
17	TM12	TM12_Unnamed Road to EcoPark	810874	825651	25	6.5	1.5	810873	825555	1
18	TM12	TM12_Unnamed Road to EcoPark	810873	825555	19	6.1	1.1	810675	825270	1
19	TM13	TM13_Lung Yiu Street	810666	825675	17	7.1	2.1	810639	825642	1
20	TM13	TM13_Lung Yiu Street	810639	825642	17	10.7	5.7	810593	825678	1
21	TM14	TM14_Lung Mun Road	810666	825675	15	16.8	10.0	810566	825737	1
22	TM15	TM15_Lung Yiu Street	810593	825678	15	16.8	10.0	810562	825711	1
23	TM16	TM16_Lung Hong Street	810593	825678	16	10.7	5.7	810556	825624	1
24	R1	R1	811354	825596	14	5.0	0.0	811293	825567	1
25	R2	R2	811293	825567	14	5.0	0.0	811181	825618	1
26	R3	R3	811181	825618	14	5.0	0.0	811088	825610	1
27	R4	R4	811088	825610	8	10.0	10.0	811104	825463	3
28	R5	R5	811104	825463	14	15.0	10.0	811209	825400	1
29	R6	R6	811209	825400	14	25.0	10.0	811142	825296	1
30	R7	R7	811142	825296	14	25.0	10.0	811129	825150	1
31	R9	R9	811142	825296	14	30.0	10.0	811238	825222	1
32	R10	R10	811209	825400	14	20.0	10.0	811341	825389	1
33	R11	R11	810985	825207	8	8.5	8.5	810901	825094	3
34	R12	R12	811253	825193	14	10.0	5.0	811341	825389	1
35	R13	R13	811187	825060	14	10.0	5.0	811253	825193	1
36	R14	R14	810926	824930	14	5.0	0.0	810954	824970	1
37	R15	R15	811062	824839	14	5.0	0.0	811075	824890	1
38	R17	R17	810954	824970	14	5.0	0.0	811075	824890	1
39	R19	R19	811187	825060	14	7.5	2.5	811117	824954	1
40	R20	R20	811075	824980	14	10.0	5.0	811117	824954	1
41	R21	R21	811117	824954	14	15.0	10.0	811119	825150	1
42	R22	R22	811117	824954	14	5.0	0.0	811075	824890	1

Annex A3 - Configurations of Roads

No.	Road ID	Road Name	Starting Co		Width	Height	Model Height	Ending Co		Road Type
			X-co	Y-co	(m)	(m)	(m)	X-co	Y-co	
43	R25	R25	811179	824924	14	5.0	0.0	811208	824981	1
44	R26	R26	811208	824981	14	5.0	0.0	811242	824964	1
45	R27	R27	811242	824964	14	5.0	0.0	811353	825233	1
46	R28	R28	811353	825233	14	5.0	0.0	811489	825560	1

Note:

(a) The lowest road elevation is 5m. All road heights were subtracted by 5m for input in the model such that the lowest road elevation is 0m. For road heights that were greater than 10m, they were inputted as 10m due to model limitation as a conservative assessment. The elevations of ASRs were subtracted by 5m as well for input in the model to ensure consistency.

(b) A 5m vertical barrier is proposed to be erected along the west side of R4 and R11. In order to model the effect of the presence of the physical barrier, the road height of R4 and R11 was increased by 5m assuming the emissions would be at the top of the barrier and that the road type is set to "fill". 6m mixing distance not included.

Annex A4

Calculations of Land Use Parameters

Annex A4 - Detailed Calculations of Albedo, Bowen Ratio and Surface Roughness

Land Cover	Area (km2)	Fraction of Total Area	Bowen Ratio (Bo)	Albedo (r)
Tree	21.1	0.21	0.67	0.12
Urban	10.7	0.11	1.67	0.16
Water	67.9	0.68	0.1	0.12
Fill Bank	0.3	0.003	1.5	0.20
		Average:	**0.20**	**0.12**

Notes:

(a) Bowen ratio was calculated based on the area-weighted geometric mean within 10km x 10km area from the Project Site. Considering the climate in Hong Kong covers dry and wet season throughout the year, bowen ratios for average moisture conditions have been adopted. With reference to Table 4-4 of the User's Guide for the AERMOD Meteorological Preprocessor (AERMET) (AERMET User Guide), the bowen ratio for tree (deciduous forest), urban and water areas were assumed to be 0.67, 1.67 and 0.1, respectively. FIll bank area is regarded as Class 32-Quarries/Strip Mines/Gravel and its bowen ratio was assumed to be 1.5 with reference to Table A-2 of the AERSURFACE User's Guide.

(b) Albedo was calculated based on the area-weighted arithmetic mean within 10km x 10km area from the Project Site. With reference to Table 4-2 of the AERMET User Guide, the albedo for tree (deciduous forest), urban and water areas were assumed to be 0.12, 0.16 and 0.12, respectively. Fill bank area is regarded as Class 32-Quarries/Strip Mines/Gravel and its albedo was assumed to be 0.2 with reference to Table A-1 of the AERSURFACE User's Guide.

(c) The average of the albedo and bowen ratio values in spring, summer and autumn for each land use was used.

Annex A4 - Detailed Calculations of Albedo, Bowen Ratio and Surface Roughness

PATH Grid 15_38

Sector (degree)	Land Cover	Area (km2)	Fraction of Total Area	Distance (km)	Weighting	Zo (m)	Resultant Zo (m) for each sector
65 - 135	Fill Bank	0.24	0.39	0.46	0.84	0.3	0.52
	Urban	0.37	0.61	0.86	0.72	1	
135 - 300	Urban	0.10	0.07	0.07	1.10	1	0.004
	Water	1.34	0.93	0.59	1.57	0.0001	
300 - 340	Urban	0.35				1	1.00
340 - 65	Urban	0.19	0.26	0.20	1.30	1	0.80
	Tree	0.55	0.74	0.72	1.03	0.6	

PATH Grid 15_39

Sector (degree)	Land Cover	Area (km2)	Fraction of Total Area	Distance (km)	Weighting	Zo (m)	Resultant Zo (m) for each sector
80 - 155	Fill Bank	0.19	0.29	0.39	0.74	0.3	0.57
	Urban	0.46	0.71	0.86	0.83	1	
155 - 280	Urban	0.38	0.35	0.20	1.76	1	0.04
	Water	0.71	0.65	0.66	0.99	0.0001	
280 - 325	Urban	0.39				1	1.00
325 - 80	Tree	1.00				0.6	0.60

PATH Grid 16_39

Sector (degree)	Land Cover	Area (km2)	Fraction of Total Area	Distance (km)	Weighting	Zo (m)	Resultant Zo (m) for each sector
115 - 190	Urban	0.65				1	1.00
190 - 230	Fill Bank	0.35				0.3	0.30
230 - 285	Urban	0.48				1	1.00
285 - 115	Tree	1.66				0.6	0.60

Annex A4 - Detailed Calculations of Albedo, Bowen Ratio and Surface Roughness

PATH Grid	Sector	Land Use Type	Albedo (r)	Bowen Ratio (Bo)	Surface Roughness (Zo)	Remark
15_38	65 - 135	Fill Bank / Urban	0.12	0.20	0.52	This sector is comprised of both fill bank and urban areas. Fill bank area covers 39% and the distance from the centre of ASRs of the PATH grid is about 0.46km. Urban area covers 61% and the distance from the centre of ASRs of the PATH grid is about 0.86km.
	135 - 300	Urban / Water	0.12	0.20	0.004	This sector is comprised of both urban and water areas. Urban area covers 7% and the distance from the centre of ASRs of the PATH grid is about 0.07km. Water area covers 93% and the distance from the centre of ASRs of the PATH grid is about 0.59km.
	300 - 340	Urban	0.12	0.20	1.00	This sector is comprised of urban area.
	340 - 65	Urban / Tree	0.12	0.20	0.80	This sector is comprised of both urban and tree areas. Urban area covers 26% and the distance from the centre of ASRs of the PATH grid is about 0.20km. Tree area covers 74% and the distance from the centre of ASRs of the PATH grid is about 0.72km.
15_39	80 - 155	Fill Bank / Urban	0.12	0.20	0.57	This sector is comprised of both fill bank and urban areas. Fill bank area covers 29% and the distance from the centre of ASRs of the PATH grid is about 0.39km. Urban area covers 71% and the distance from the centre of ASRs of the PATH grid is about 0.86km.
	155 - 280	Urban / Water	0.12	0.20	0.04	This sector is comprised of both urban and water areas. Urban area covers 35% and the distance from the centre of ASRs of the PATH grid is about 0.20km. Water area covers 65% and the distance from the centre of ASRs of the PATH grid is about 0.66km.
	280 - 325	Urban	0.12	0.20	1.00	This sector is comprised of urban area.
	325 - 80	Tree	0.12	0.20	0.60	This sector is comprised of tree area.
16_39	115 - 190	Urban	0.12	0.20	1.00	This sector is comprised of urban area.
	190 - 230	Fill Bank	0.12	0.20	0.30	This sector is comprised of fill bank area.
	230 - 285	Urban	0.12	0.20	1.00	This sector is comprised of urban area.
	285 - 115	Tree	0.12	0.20	0.60	This sector is comprised of tree area.

Note:

(a) With reference to Table 4-6 of the AERMET User's Guide, the surface roughness value for urban area and water area is assumed to be 1m and 0.0001m, respectively. With reference to Table A-3 of the AERSURFACE User's Guide, the surface roughness value for fill bank area is assumed to be 0.3m. The height of trees within 1 km from the identified ASRs near TKOFB is about 6m on average. The surface roughness can be estimated as about 10% of the average height of physical structures. Therefore, the surface roughness of 0.6m has been adopted for trees. For sector consisting of 2 or more different land use types, the surface roughness length for the sector is calculated based on the inverse-distance weighted geometric mean.

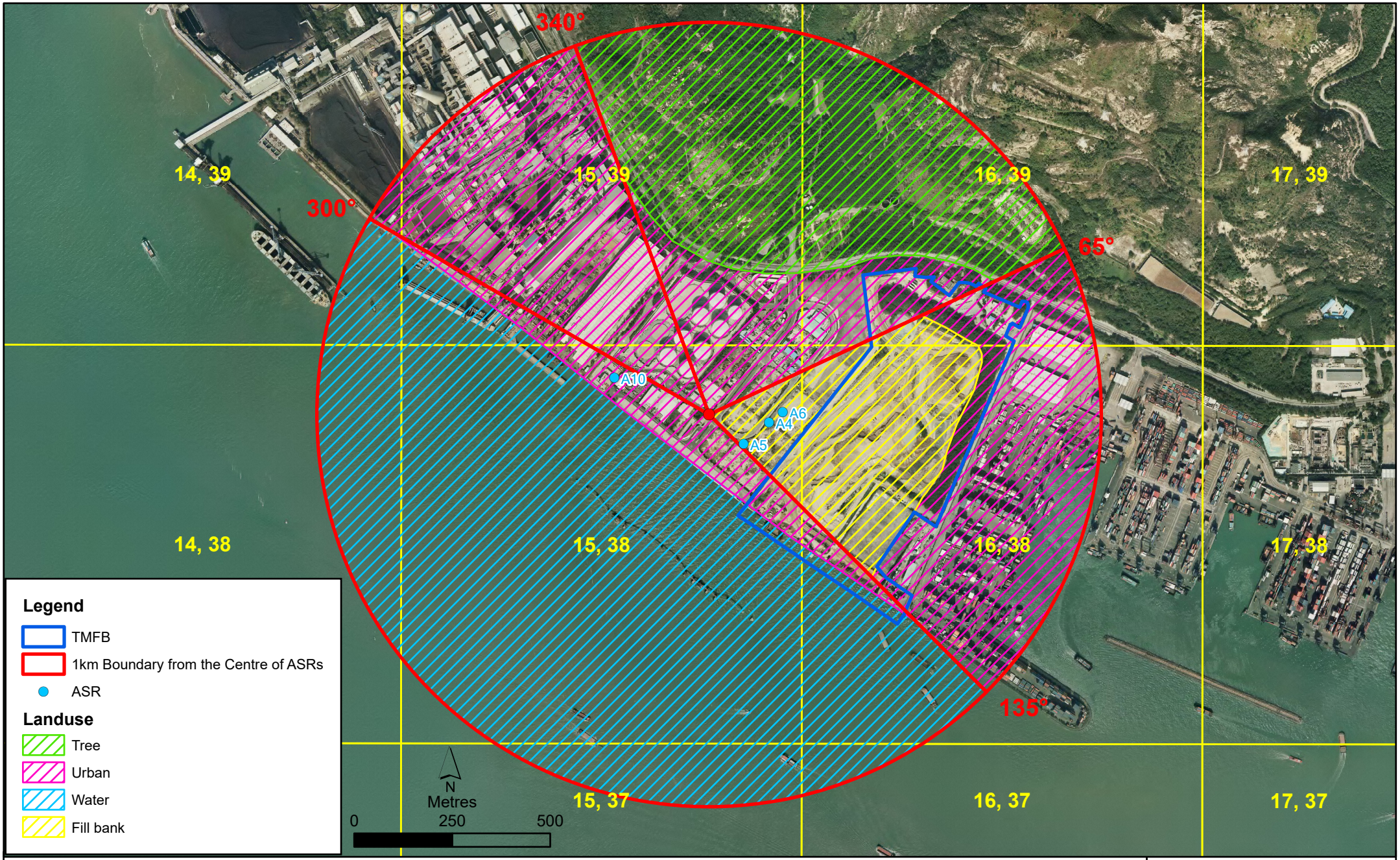
Annex A4

10km x 10km Area from TMFB Site Boundary

File:T:\GIS\CONTRACT\0414816\mxd\0414816_TMFB_10km_Area.mxd
Date: 16/7/2018

Environmental Resources Management

ERM



Annex A4

Sectors of Land Use for PATH Grid 15,38

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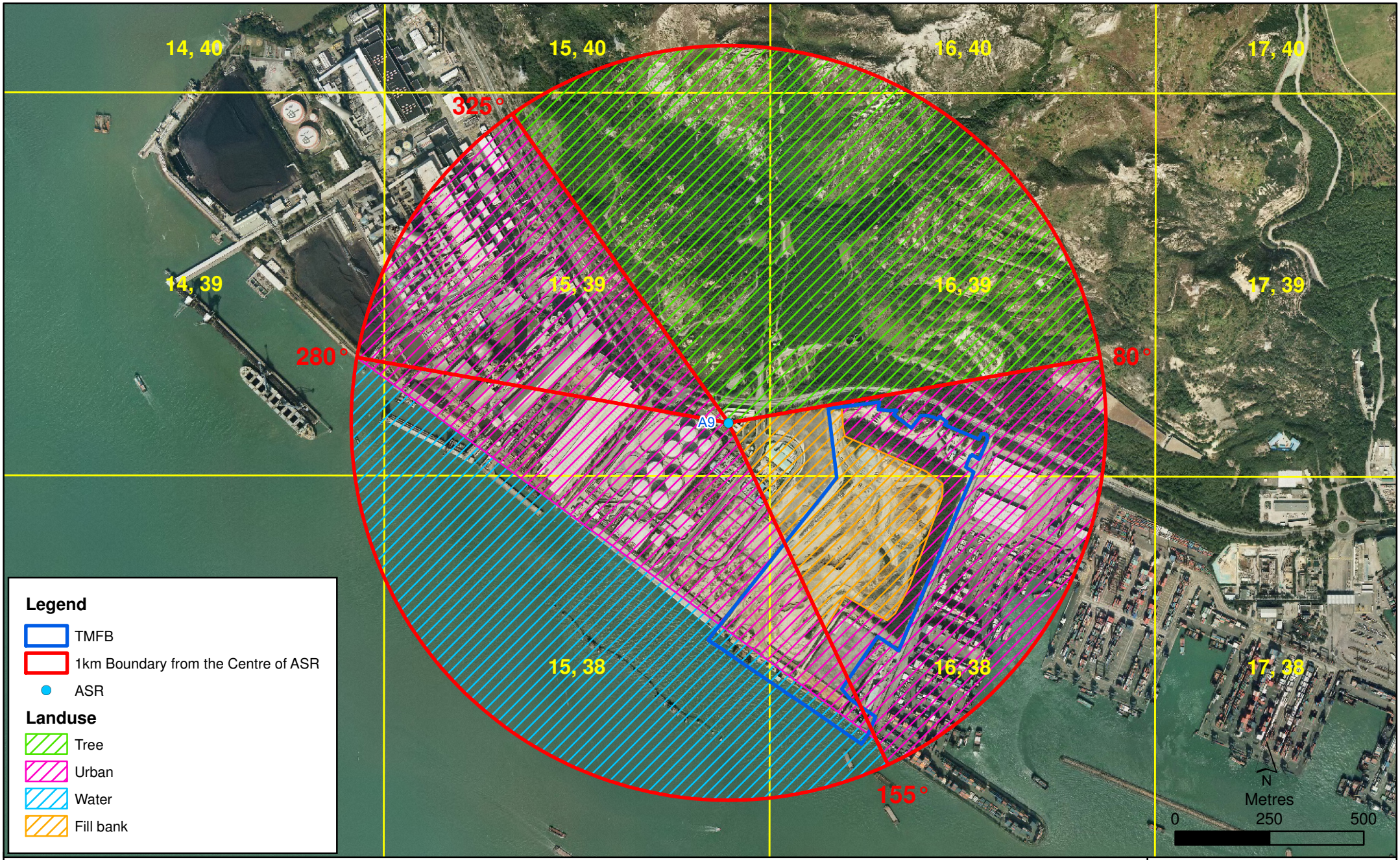
Date: 3/6/2021

Environmental Resources Management

ERM



Annex A4

Sectors of Land Use for PATH Grid 15,39

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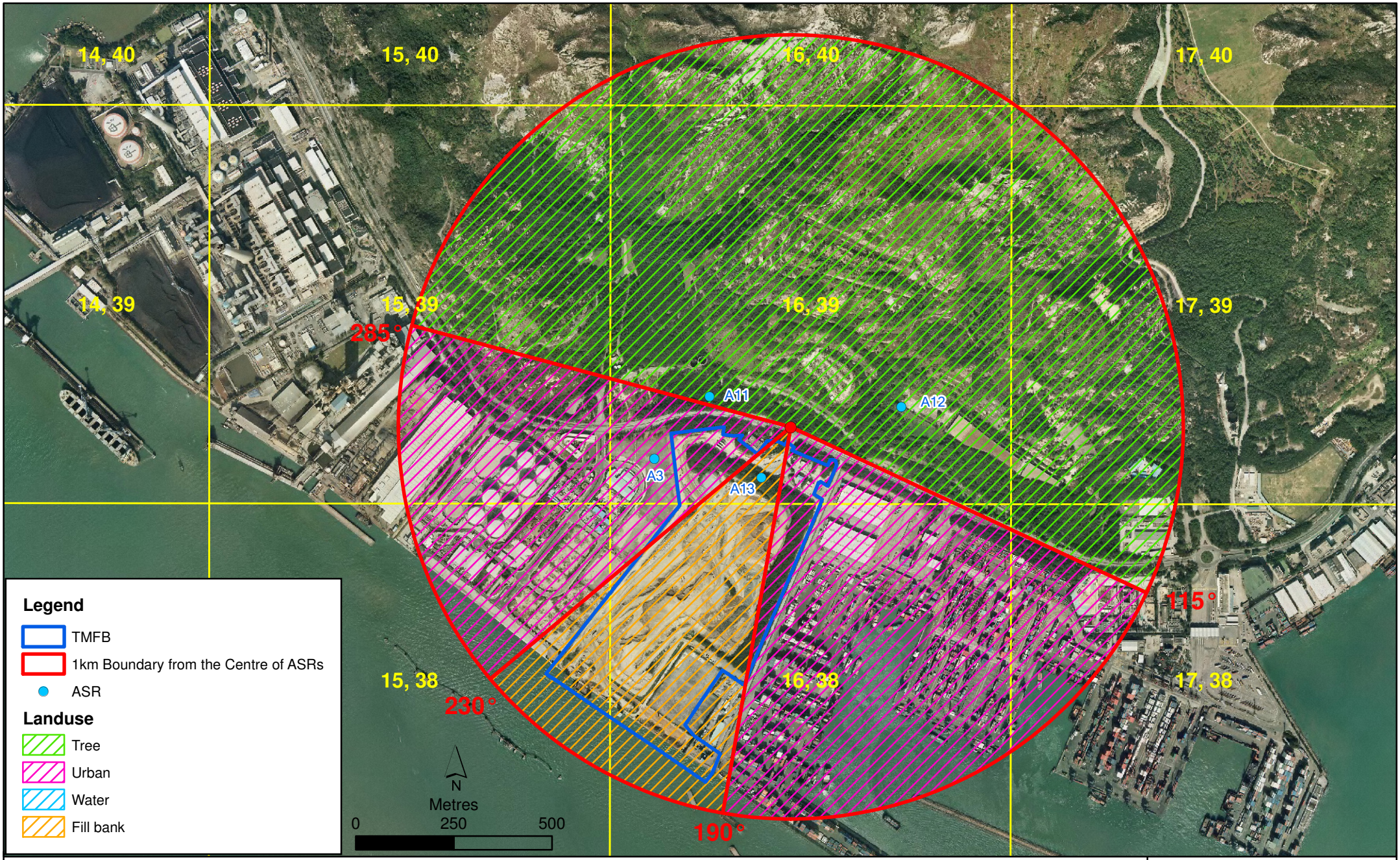
Date: 17/7/2018

Environmental Resources Management

ERM



Annex A4

Sectors of Land Use for PATH Grid 16,39

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Date: 20/7/2018

Environmental Resources Management

ERM

Annex A5

Predicted Cumulative Pollutant Concentrations at ASRs

Annex A5 - Predicted Cumulative Pollutant Concentrations at ASRs

				TSP				RSP								FSP							
				Cumulative Maximum Hourly Averaged TSP (μgm^{-3})				Cumulative 10th Highest Daily Averaged RSP (μgm^{-3})				Cumulative Annual Averaged RSP (μgm^{-3})				Cumulative 10th Highest Daily Averaged FSP (μgm^{-3})				Cumulative Annual Averaged FSP (μgm^{-3})			
				Receptor height (m above ground)				Receptor height (m above ground)				Receptor height (m above ground)				Receptor height (m above ground)				Receptor height (m above ground)			
ASR	**ASR Description**	**x**	**y**	**1.5**	**4.5**	**7.5**	**10**	**1.5**	**4.5**	**7.5**	**10**	**1.5**	**4.5**	**7.5**	**10**	**1.5**	**4.5**	**7.5**	**10**	**1.5**	**4.5**	**7.5**	**10**
A3	Eco Park Tenant: WEEE	811013	825570	336.31	348.17			86.72	86.67			38.56	38.46			65.16	65.02			26.81	26.75		
A4	Eco Park Tenant: South China	810816	825258	365.50	330.15			93.32	95.00			42.95	43.45			68.25	68.14			29.21	29.18		
A5	Eco Park Tenant: Chung Yue	810751	825204	446.38	409.77			92.40	93.83			42.47	42.96			66.72	66.59			28.65	28.64		
A6	Eco Park Tenant: Ka Wah	810851	825285	407.53	381.92			95.72	96.13			44.58	44.96			69.43	69.77			30.01	30.15		
A9	Eco Park Administration Building	810791	825596	202.28	202.25			84.70	84.65			37.66	37.55			63.19	63.26			26.45	26.42		
A10	PAFF Office	810422	825373	203.63	203.58			90.31	90.19			40.56	40.52			67.39	67.36			28.98	28.95		
A11	Proposed Modern Logistics Development at TM Area 49 (Indicative Location)	811154	825728	298.23	248.76	207.00	204.69	85.95	85.78	85.66	85.58	37.34	37.26	37.16	37.09	64.57	64.49	64.42	64.37	26.35	26.29	26.24	26.20
AQO Criterion				**500**	**500**	**500**	**500**	**100**	**100**	**100**	**100**	**50**	**50**	**50**	**50**	**75**	**75**	**75**	**75**	**35**	**35**	**35**	**35**

Annex A5 - Predicted Cumulative Pollutant Concentrations at ASRs

				NO_2							
				Cumulative 19th Highest Hourly Averaged NO_2 (μgm^{-3})				Cumulative Annual Averaged NO_2 (μgm^{-3})			
				Receptor height (m above ground)				Receptor height (m above ground)			
ASR	**ASR Description**	**x**	**y**	**1.5**	**4.5**	**7.5**	**10**	**1.5**	**4.5**	**7.5**	**10**
A3	Eco Park Tenant: WEEE	811013	825570	153.77	153.66			38.35	38.02		
A4	Eco Park Tenant: South China	810816	825258	146.09	145.80			39.16	38.91		
A5	Eco Park Tenant: Chung Yue	810751	825204	146.55	146.72			39.12	38.86		
A6	Eco Park Tenant: Ka Wah	810851	825285	146.04	145.79			39.03	38.79		
A9	Eco Park Administration Building	810791	825596	144.27	143.29			36.59	36.12		
A10	PAFF Office	810422	825373	140.18	138.21			37.87	37.64		
A11	Proposed Modern Logistics Development at TM Area 49 (Indicative Location)	811154	825728	156.72	155.19	154.99	150.22	38.63	37.60	36.59	35.84
			AQO Criterion	**200**	**200**	**200**	**200**	**40**	**40**	**40**	**40**

Annex A5 - Predicted Cumulative Pollutant Concentrations at ASRs

				SO_2							
				Cumulative 4th Highest 10-minute Averaged SO_2 (μgm^{-3})				Cumulative 4th Highest Daily Averaged SO_2 (μgm^{-3})			
				Receptor height (m above ground)				Receptor height (m above ground)			
ASR	**ASR Description**	**x**	**y**	**1.5**	**4.5**	**7.5**	**10**	**1.5**	**4.5**	**7.5**	**10**
A3	Eco Park Tenant: WEEE	811013	825570	199.37	199.14			37.00	36.99		
A4	Eco Park Tenant: South China	810816	825258	222.86	223.00			40.60	40.60		
A5	Eco Park Tenant: Chung Yue	810751	825204	220.07	220.17			40.44	40.44		
A6	Eco Park Tenant: Ka Wah	810851	825285	222.78	222.92			40.93	40.93		
A9	Eco Park Administration Building	810791	825596	206.31	206.43			37.21	37.21		
A10	PAFF Office	810422	825373	208.40	208.34			40.42	40.41		
A11	Proposed Modern Logistics Development at TM Area 49 (Indicative Location)	811154	825728	186.79	186.61	186.48	186.40	36.99	36.99	36.99	36.99
			AQO Criterion	**500**	**500**	**500**	**500**	**125**	**125**	**125**	**125**

Annex A6

Letter from Transport Department

By Fax
(Fax No.: 3020 0321)

運輸署
Transport Department

本署檔案 Our Ref. : (N8NR3) in TD NR182/203-28
來函檔號 Your Ref. : 30717-0005
電　話 Tel. : 2399 2261
圖文傳真 Fax : 2381 3799
電　郵 Email :

20 July 2018

AXON Consultancy Limited
Unit 503, 5/F, Tower 2,
Lippo Centre, Admiralty, Hong Kong
(Attn.: Mr. Sam FUNG)

Dear Mr. FUNG,

Agreement No. FM 01/2017 Environmental Review and Traffic Impact Assessment for Extension of Operation of Fill Banks at Tseung Kwan O Area 137 and Tuen Mun Area 38 – Investigation

Traffic Forecast in Years 2019 and 2023 for the Air Quality Impact Assessment

I refer to your letter under reference dated 11 July 2018 regarding the caption.

Please note that the Air Quality Impact Assessment is not under our purview. We are not in a position to provide comments on the traffic figures tailor-made for the environmental assessment purposes.

Notwithstanding the above, please note that we would have no objection in principle to the methodology for traffic forecast if it is the same as that adopted in the traffic impact assessment for the captioned project.

Yours faithfully,

(Janet H.Y. CHING)
for Commissioner for Transport

c.c. CE/FM, CEDD (Attn: Ms. Norelle Y.H. LI) - Fax No. 2714 0113

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