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Report No.: 0064/18/ED/0643

Hong Kong.

## **MONTHLY EM&A REPORT**

December 2021

Client :		Civil Engineering and Development Department, HKSAR	
Contract No.	:	NDO 03/2018	
Contract Name :		Road Widening and Retrofitting Noise Barriers on Tai Po Road (Sha Tin Section)	
Report No.	:	0064/18/ED/0643	

Prepared by :

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David Hung **Environmental Team Leader Fugro Technical Services Limited** 



Acuity Sustainability Consulting Limited – Nature & Technologies (HK) Limited Joint Venture



Our ref: PL-202201012

Unit 2320, Level 23, Tower I, Metroplaza, 223 Hing Fong Road, Kwai Fong, N.T., Hong Kong.

Attention: Mr. Joseph YAN

12 January 2022

Dear Joseph,

# NE/2017/05 Road Widening and Retrofitting Noise Barriers on Tai Po Road (Sha Tin Section) Monthly EM&A Report for December 2021

I refer to the email of the ET regarding to the captioned Monthly EM&A Report with report No. 0064/18/ED/0643, I have no adverse comment on it and verify this monthly report according to section 1.9 of the Environmental Permit with Permit No. EP- 463/2013/B.

Yours faithfully,

Li Wai Ming Kevin Independent Environmental Checker

cc. CRE – Mr. YU Albert (by email only: albert.yu@aecom.com) CEDD – Mr. YAN Joseph (by email only: jkcyan@cedd.gov.hk)



Date 12 January 2022 Our Ref. MCL/ED/0013/2022/C

**BY HAND & E-MAIL** 

The EIA Ordinance Register Office Environmental Protection Department 27/F, Southorn Centre, 130 Hennessy Road, Wan Chai, Hong Kong Attn: Ms. LAU Yee Ching, Eva

Dear Ms. Lau,

## Contract No. NE/2017/05 Road Widening and Retrofitting Noise Barriers on Tai Po Road (Sha Tin Section)

## Environmental Permit: EP-463/2013B Submission of Monthly EM&A Report December 2021 (0064/18/ED/0643)

Pursuant to EP-463/2013/B Condition 3.4, we hereby submit three hardcopies and two e-copy of the monthly EM&A Report (0064/18/ED/0643) for your retention. This monthly EM&A Report has been certified by ETL and verified by IEC accordingly.

Thank you for your attention, should there be any comments or queries, please contact our Environmental Team Leader David Hung at 3565-4371.

Yours faithfully, for and on behalf of FUGRO TECHNICAL SERVICES LIMITED

David Hung Environmental Team Leader

c.c. CEDD AECOM IEC CCZJV Attn: Mr. Joseph Yan / Mr. Kevin Yip (by E-mail) Attn: Mr. Albert Yu / Mr. Andrew Cheng / Mr. Jacky Choi / Mr. Eric Yau (by E-mail) Attn: Mr. Kevin Li / Mr. Tandy Tse (by E-mail) Attn: Mr. Anthony Poon / Ms. Kimberly Wong (by E-mail)

Encl.



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## EXECUTIVE SUMMARY

- i. The Civil Engineering and Development Department HKSAR has appointed Fugro Technical Services Limited (FTS) to undertake the Environmental Team services for the Project and implement the EM&A works.
- ii. This Monthly EM&A report presents the environmental monitoring and audit works for the period between 1 December 2021 and 31 December 2021. As informed by the Contractor, major activities in the reporting month were summarized as below table:

Zone 1	Zone 2	Zone 3	Zone 4	Zone 5
<ul> <li>Trial Pits Excavation</li> <li>Noise Barrier Foundation and Erection Works</li> <li>Road Drain Construction Works</li> </ul>	<ul> <li>Trial Pits Excavation</li> <li>Noise Barrier Foundation and Erection Works</li> <li>Road Drain Construction Works</li> <li>Mini Pile Construction Works</li> </ul>	<ul> <li>Trial Pits Excavation</li> <li>Tree Works (Including Preservation / Felling / Pruning / Transplantation)</li> <li>Road Surface Maintenance</li> <li>Construction / Diversion of Underground Utilities, Including ELS Works and Sheet Piling</li> <li>Retaining Wall Construction Works</li> <li>Construction of Cycle Track Subway, Pump Room and Stem Wall Construction Works</li> <li>Demolition of Existing Parapet</li> <li>Lagging Wall Construction Works</li> <li>Pre Bore H Pile Construction Works</li> <li>Steel Works Installation for Lift</li> <li>Profile Barrier and Stem Wall Construction Works</li> <li>Foundation Works for SR2</li> <li>Construction Works for N263 and N264 Bridge Deck Widening</li> <li>Construction Works for SR6 Temporary Widening</li> <li>ELS Works at SHA for Widening of SR3</li> </ul>	<ul> <li>Road Surface Maintenance</li> <li>NF40 Footbridge Construction Works</li> <li>Noise Barrier Foundation Works</li> </ul>	<ul> <li>Road Surface Maintenance</li> <li>Mini Pile Construction Works</li> <li>Noise Barrier Foundation Works</li> <li>Stem Wall and Drainage Construction Works</li> </ul>

## **Breaches of the Action and Limit Levels**

iii. 24-hour and 1-hour TSP impact monitoring were carried out in the reporting month, no Action / Limit Level exceedance was recorded during the period.



- iv. Day time construction noise monitoring was carried out in the reporting month, no Action / Limit Level exceedance was recorded during the period.
- v. Regular night time noise monitoring was carried out on 2, 9, 16, 23 and 30 December 2021 respectively and no exceedance case was recorded between 2300 and 0700 of the next day during the reporting month.

## Complaint, Notification of Summons and Successful Prosecution

vi. Total five complaints were received during the reporting months. (1) The 1<sup>st</sup> complaint was received by 1823 (ref: CASE#3-6997727629) on 1st December 2021 at 11:50 a.m. The complainant concerned about the night-time noise nuisance generated near Sha Tin Station. (2) The 2<sup>nd</sup> complaint was received by the EPD Regional Office (North) on 7<sup>th</sup> December 2021. The complainant concerned about the night-time noise nuisance generated from the operation of PMEs near Lek Yuen Estate on 7th December 2021 at 2:00-3:00 a.m. (3) The 3rd complaint was received by 1823 (ref: CASE#3-7020268390) on 16th December 2021 at 12:27 a.m. The complainant concerned about the recent night-time noise nuisance generated from the construction works near Wai Wah Centre Block 3. This complaint was referred from AECOM to ET on 16<sup>th</sup> December 2021 at 4:33 p.m. (4) The 4<sup>th</sup> complaint was received by 1823 (ref: CASE#3-6727963845) on 21st December 2021 at 8:35 a.m. and 22nd December 2021 at 5:06 p.m. The complainant, Ms. So concerned about the noise nuisance generate from the day-time construction activities near Wo Che Estate, Mei Wo House. This complaint was referred from AECOM to ET on 23rd December 2021 at 1:06 p.m. (5) The 5th complaint was received by 1823 (ref: CASE#3-7043757669) on 29th December 2021 at 12:07 a.m. and 01:18 a.m. The complainant concerned about the noise nuisance generate from the night-time construction activities at Tai Po Road on 22<sup>nd</sup>/23<sup>rd</sup> and 28/29<sup>th</sup> December 2021. This complaint was referred from AECOM to ET on 30th December 2021 at 4:33 p.m. For the 3rd, 4th and 5th complaint, ET is carrying out investigation and the incident report will be submitted to EPD in January 2022.

## **Reporting Changes**

vii. There was no reporting change in the reporting month.

## **Future Key Issues**

viii. The key issues to be considered in the coming reporting month include:

Potential environmental impacts arising from the above construction activities are mainly associated with construction dust, construction noise, water quality, waste management and landscape and visual impact.



## 1. INTRODUCTION

#### 1.1 Background

- 1.1.1 Contract No. NE/2017/05 Road Widening and Retrofitting Noise Barriers on Tai Po Road (Sha Tin Section) (TPR-ST) (hereafter referred as "the Contract"), is the Works Contract involved the construction of road widening and retrofitting noise barriers on TPR-ST.
- 1.1.2 The Works of road widening on TPR-ST is classified as a designated project (DP) under the Part I of Schedule 2 of the Environmental Impact Assessment Ordinance (EIAO) (Cap. 499). The scale and scope of DP is classified as below:
  - Widening and reconstruction of an approximate 1.2 km long of the existing Tai Po Road (Sha Tin Section) from dual 2-lane to dual 3-lane carriageway; and improvement of the existing Sha Tin Rural Committee Road and its junctions.
- 1.1.3 The Environmental Monitoring and Audit (EM&A) programme under this Contract is governed by the Environmental Permit (EP) (EP No: EP-463/2013/B) and the updated EM&A Manual (Reference No.: 0064/18/ED/0122D). The Works to be executed under this Contract and corresponding EPs include but not be limited to the following main items:
  - (i) Road widening works of TPR-ST:
    - a. widening of TPR-ST of about 1.1 kilometres between Sha Tin Rural Committee Road (STRCR) and Fo Tan Road from dual two-lane to dual three-lane;
    - b.modification to the existing diamond interchange at TPR-ST / STRCR (STRCR Interchange);
    - c. provision of two pedestrian lifts, re-provision of staircase and cycle track ramp at the modified STRCR Interchange;
    - d. modification of existing cycle track subway no. NS30 near Sha Tin Plaza;
    - e. modification of the existing footbridge no. NF40 across TPR-ST near Wo Che Street;
    - f. modification of the existing footbridge no. NF66 near Fung Wo Lane;
    - g. installation of noise mitigation measures between Citylink Plaza and Mei Wo House of Wo Che Estate;
    - h.associated drainage works, waterworks, street lighting works and traffic control and surveillance system (TCSS).
  - (ii) Retrofitting of noise barriers along TPR-ST:
    - (a) western section between Citylink Plaza and Scenery Court;
    - (b) eastern section between Mei Wo House of Wo Che Estate and Fo Tan Road; and
    - (c) associated drainage works, waterworks and street lighting works.
  - (iii) Associated street furniture, road marking, traffic signs, directional signs, services and utilities, and
  - (iv) Associated landscaping works.
- 1.1.4 The location and boundary of the site is shown in **Figure 1**.



- 1.1.5 This Monthly EM&A report is required under EP-463/2013/B Condition 3.4. It is to report the results and findings of the EM&A programme required in the updated EM&A Manual.
- 1.1.6 This is the 37<sup>th</sup> monthly EM&A Report which summarized the impact monitoring results and audit findings for the construction of the road widening and retrofitting noise barriers on Tai Po Road (Sha Tin Section) (TPR-ST) (hereafter referred as "the Project") within the period between 1 December 2021 and 31 December 2021.

## 1.2 **Project Organization**

- 1.2.1 The project proponent was the Civil Engineering and Development Department, HKSAR (CEDD). AECOM Asia Co. Ltd. (AECOM) was commissioned by CEDD as the Engineer for the Project. Acuity Sustainability Consulting Limited Nature & Technologies (HK) Limited Joint Venture was commissioned as the Independent Environmental Checker (IEC). China railway China Railway First Group Zhen Hua Engineering Joint Venture (CCZJV) was appointed as the main contractor for the construction works under the contract NE/2017/05. Fugro Technical Services Limited (FTS) was appointed as the Environmental Team (ET) by CEDD to implement the EM&A programme for the Project.
- 1.2.2 The organization structure is shown in **Appendix B**. The key personnel contact names and numbers for the Project are summarized in **Table 1.1**.

Party	Position	Name	Telephone		
Project Proponent (CEDD)	Senior Engineer	Mr. Joseph Yan	3152 3470		
Engineer's Representative (AECOM)	Chief Resident Engineer	Mr. Albert Yu	2276 0618		
IEC (Acuity Sustainability Consulting Limited – Nature & Technologies (HK) Limited Joint Venture)	Independent Environmental Checker	Mr. Kevin Li	9779 2247		
	Site Agent	Mr. Anthony Poon	9811 5135		
Main Contractor (CCZJV)	Environmental Officer	Ms. Kimberly Wong	5222 4603		
ET (FTS)	Environmental Team Leader	Mr. David Hung	3565 4371		

Table 1.1Contact Information of Key Personnel



## **1.3** Construction Programme and Activities

- 1.3.1 The construction of the Project commenced on 29 November 2018 and is expected to complete in 2023. The construction programme is shown in **Appendix A.**
- 1.3.2 A summary of the major construction activities undertaken in the reporting month were shown in below table:

Zone 1	Zone 2	Zone 3	Zone 4	Zone 5
<ul> <li>Trial Pits Excavation</li> <li>Noise Barrier Foundation and Erection Works</li> <li>Road Drain Construction Works</li> </ul>	<ul> <li>Trial Pits Excavation</li> <li>Noise Barrier Foundation and Erection Works</li> <li>Road Drain Construction Works</li> <li>Mini Pile Construction Works</li> </ul>	<ul> <li>Trial Pits Excavation</li> <li>Tree Works (Including Preservation / Felling / Pruning / Transplantation)</li> <li>Road Surface Maintenance</li> <li>Construction / Diversion of Underground Utilities, Including ELS Works and Sheet Piling</li> <li>Retaining Wall Construction Works</li> <li>Construction of Cycle Track Subway, Pump Room and Stem Wall Construction Works</li> <li>Demolition of Existing Parapet</li> <li>Lagging Wall Construction Works</li> <li>Pre Bore H Pile Construction Works</li> <li>Steel Works Installation for Lift</li> <li>Profile Barrier and Stem Wall Construction Works</li> <li>Foundation Works for SR2</li> <li>Construction Works for SR2</li> <li>Construction Works for SR4</li> <li>Construction Works for SR5</li> <li>Els Works at SHA for Widening of SR3</li> </ul>	<ul> <li>Road Surface Maintenance</li> <li>NF40 Footbridge Construction Works</li> <li>Noise Barrier Foundation Works</li> </ul>	<ul> <li>Road Surface Maintenance</li> <li>Mini Pile Construction Works</li> <li>Noise Barrier Foundation Works</li> <li>Stem Wall and Drainage Construction Works</li> </ul>

## 1.4 Status of Environmental Licenses, Notifications and Permits

1.4.1 A summary of the relevant environmental licenses, permits and/or notifications on environmental protection for this Contract is presented in **Table 1.2.** 

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## Table 1.2 Relevant Environmental Licenses, Permits and/or Notifications

Environmental License / Permit / Notification	Reference Number	Valid From	Valid Till
Environmental Permit for whole project	EP-463/2013/B	20/12/2016	Nil
Receipt of the notification of construction dust production	Form NA	27/7/2018	Nil
Construction Waste Disposal Account	7031619	17/8/2018	Nil
Chemical Waste Producer Registration	5318-758-C4314-01	06/11/2018	Nil
Effluent Discharge License (Zone 1 – 5)	WT00032446-2018	09/11/2018	30/11/2023
Effluent Discharge License (Shui Chong Street)	WT00033829-2019	25/06/2019	30/06/2024
Construction Noise Permit for Road Closure, General Night Works (Zone $1 - 5$ )	GW-RN0600-21	22/08/2021	27/12/2021
Construction Noise Permit for Road Closure, Sheet Pile Removal and Road Reconstruction Works (Zone 1 – 2)	GW-RN0642-21	08/09/2021	06/12/2021
Construction Noise Permit for the Operation of Water Pump (Zone $1 - 5$ )	GW-RN0714-21	01/10/2021	31/03/2022
Construction Noise Permit for Road Closure, Road Maintenance (Zone $1 - 3$ )	GW-RN0793-21	18/11/2021	08/03/2022
Construction Noise Permit for Road Closure, Lane Shifting and Removal of Sign Gantries Works (Zone 1 – 3)	GW-RN0798-21	13/11/2021	04/12/2021
Construction Noise Permit for Road Closure, G39 Profile Barrier Erection Works (Zone 3)	GW-RN0861-21	26/11/2021	24/01/2022
Construction Noise Permit for Road Closure, Lane Shifting and Removal of Sign Gantries Works (Zone 1 – 3)	GW-RN0871-21	05/12/2021	19/02/2022
Construction Noise Permit for Road Closure, General Night Works (Zone 1 – 5)	GW-RN0916-21	27/12/2021	28/03/2022



## 2. AIR QUALITY

## 2.1 Monitoring Requirement

In accordance with the updated EM&A Manuals, 24-hour & 1-hour Total Suspended Particulates (TSP) level at the designated air quality monitoring station are required. Impact 24-hour and 1-hour TSP monitoring should be carried out at least once every 6 days. The Action and Limit Levels of the air quality monitoring are given in **Appendix C**.

## 2.2 Monitoring Equipment

The 24-hour and 1-hour TSP air quality monitoring was performed using High Volume Air Samplers (HVS) and portable TSP Monitors located at each of the designated monitoring station respectively.

 Table 2.1 and 2.2 summarizes the equipment used in air quality monitoring.

Item	Location	Brand	Model	Equipment	Serial Number
1	AMS 4A	*Sibata	Model LD-3B	Sibata Portable TSP Monitors	882189
2	AMS 7A	*Sibata	Model LD-3B	Sibata Portable TSP Monitors	466711
3	AMS 12	*Sibata	Model LD-3B	Sibata Portable TSP Monitors	597317
4	AMS 17	*Sibata	Model LD-3B	Sibata Portable TSP Monitors	476783

#### Table 2.1 24-hour TSP Monitoring Equipment

\*Notes: As electricity supply is not available and accessible for the High Volume Samplers (HVS) at AMS 4A, 7A, 12 and 17 portable Laser Particle Photometer Monitors will be utilized for 24-hour TSP monitoring instead of High Volume samplers (HVS). The correlation between HVS and the portable Laser Particle Photometer Monitors are presented in Appendix D.

Table 2.2	1-hour TSP Monitoring Equipment
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-	Item	Location	Brand	Model Equipment		Serial Number
l	1	AMS 4A	Sibata	Model LD-3B	Sibata Portable TSP Monitors	882189
	2	AMS 7A	Sibata	Model LD-3B	Sibata Portable TSP Monitors	466711
	3	AMS 12	Sibata	Model LD-3B	Sibata Portable TSP Monitors	597317
I	4	AMS 17	Sibata	Model LD-3B	Sibata Portable TSP Monitors	476783

## 2.3 Monitoring Methodology

2.3.1 24-hour TSP air quality monitoring by High Volume Air Samplers (HVS)

## **HVS Installation**

The following guidelines were adopted during the installation of HVS:

- Sufficient support is provided to secure the samplers against gusty wind.
- No two samplers are placed less than 2 meters apart.
- The distance between the sampler and an obstacle, such as buildings, is at least twice the height that the obstacle protrudes above the sampler.
- A minimum of 2 meters of separation from walls, parapets and penthouses is required for rooftop samples.
- A minimum of 2 meters separation from any supporting structure, measured horizontally is required.
- No furnaces or incineration flues are nearby.

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- Airflow around the samplers is unrestricted.
- The samplers are more than 20 meters from the drip line.
- Any wire fence and gate, to protect the sampler, should not cause any obstruction during monitoring.

#### Filters Preparation

Fiberglass filters (provided by the HOKLAS accredited laboratory) shall be used (Note: these filters have a collection efficiency of larger than 99% for particles of 0.3 µm diameter). A HOKLAS accredited laboratory (Fugro Technical Services Limited) is responsible for the preparation of 24-hr conditioned and pre-weighed filter papers for monitoring team.

All filters are equilibrated in the conditioning environment for 24 hours before weighing. The conditioning environment temperature is around 25°C and not variable by more than  $\pm 3$ °C; the relative humidity (RH) is < 50% and not variable by more than  $\pm 5$ %. A convenient working RH is 40%.

## **Operating / Analytical Procedures**

Operating / analytical procedures for the air quality monitoring are highlighted as follows:

- Prior to the commencement of the dust sampling, the flow rate of the HVS are properly set (between 0.6 m<sup>3</sup>/min and 1.7 m<sup>3</sup>/min) in accordance with the EM&A manual. The flow rate shall be indicated on the flow rate chart.
- The power supply shall be checked to ensure the samplers worked properly.
- On sampling, the samplers shall be operated for 5 minutes to establish thermal equilibrium before placing any filter media at the designated air quality monitoring station.
- The filter holding frame is then removed by loosening the four nuts and carefully a weighted and conditioned filter is centered with the stamped number upwards, on a supporting screen.
- The filter shall be aligned on the screen so that the gasket formed an airtight seal on the outer edges of the filter. Then the filter holding frame is tightened to the filter holder with swing bolts. The applied pressure should be sufficient to avoid air leakage at the edges.
- The shelter lid shall be closed and secured with the aluminum strip.
- The timer is then programmed. Information shall be recorded on the record sheet, which included the starting time, the weather condition and the filter number (the initial weight of the filter paper can be found out by using the filter number).
- After sampling, the filter shall be removed and sent to laboratory for weighing. The elapsed time is also recorded.
- Before weighing, all filters are equilibrated in a conditioning environment for 24 hours. The conditioning environment temperature should be between 25°C and 30°C and not vary by more than ±3°C; the relative humidity (RH) should be < 50% and not vary by more than ±5%. A convenient working RH is 40%. Weighing results are returned to MCL for further analysis of TSP concentrations collected by each filter.



## 2.3.2 24-hour TSP air quality monitoring by portable Laser Particle Photometer Monitors

#### **Operating / Analytical Procedures**

The measuring procedures of the 24-hr dust meter are in accordance with the Manufacturer's instruction Manual as follows:

- Pull up the air sampling inlet cover
- Change the Mode 0 to BG once
- Push Start/Stop switch once
- Turn the knob to SENSI.ADJ and press it
- Push Start/Stop switch once
- Return the knob to the position MEASURE slowly
- Push the timer set switch to set measuring time
- Remove the cap and make a measurement

Calculation of the value of 24-hr TSP concentration is given by the average of 24 calculated 1hr TSP concentration, where the calculated 1-hr TSP concentration is given by the product of the direct reading and the K-factor based on the correlation results between the direct reading meter and high volume sampler.

2.3.3 1-hour TSP air quality monitoring

#### Operating / Analytical Procedures

The measuring procedures of the 1-hr dust meter are in accordance with the Manufacturer's instruction Manual as follows:

- Pull up the air sampling inlet cover
- Change the Mode 0 to BG once
- Push Start/Stop switch once
- Turn the knob to SENSI.ADJ and press it
- Push Start/Stop switch once
- Return the knob to the position MEASURE slowly
- Push the timer set switch to set measuring time
- Remove the cap and make a measurement

#### 2.4 Maintenance / Calibration

2.4.1 24-hour TSP air quality monitoring

The following maintenance / calibration are required for the HVS:

- The high volume motors and their accessories are properly maintained. Appropriate maintenance such as routine motor brushes replacement and electrical wiring checking are made to ensure that the equipment and necessary power supply are in good working condition.
- All HVS shall be calibrated (five point calibration) using Calibration Kit upon installation and thereafter in every 3 months.
- A copy of the calibration certificates for the HVS and calibrator are provided in Appendix D.



- 2.4.2 1-hour TSP air quality monitoring
  - The portable TSP monitor should be calibrated at 1 year intervals.

## 2.5 Monitoring Locations

2.5.1 The Impact Air Monitoring Stations to be monitored should be selected based on the prevailing wind direction and their proximity to the active construction works. According to the Hong Kong Observatory, wind direction in December 2021 are north, north east and east. The most updated locations are summarized in **Table 2.3** and shown in **Figure 2a**.

 Table 2.3
 Location of Air Quality Monitoring Station

Monitoring Location		Land uses	
AMS 4A	Wai Wah Centre (Site Boundary)	Residential	
AMS 7A	Sheung Wo Che	Residential Village	
AMS 12	Fung Wo Estate	Residential	
AMS 17	Wo Che Estate	Residential	

## 2.6 Results and Observations

- 2.6.1 The schedule of air quality monitoring in reporting month is provided in **Appendix E**.
- 2.6.2 No Action / Limit Level exceedance was recorded for 24-hr and 1-hr TSP at AMS 4A, 7A, 12 and 17 in the reporting month.
- 2.6.3 During the reporting month, major dust sources included trial pits excavation, road surface maintenance, demolition of existing parapet, mini pile construction and noise barrier foundation works were observed in the site. Other factors such as road traffic along Tai Po Road may affect the monitoring results.
- 2.6.4 The weather conditions during the monitoring are provided in **Appendix K**.
- 2.6.5 The monitoring data of 24-hr and 1-hr TSP are summarized in **Table 2.4 and 2.5**. Detailed monitoring data are presented in **Appendix F**.

Table 2.4	ble 2.4 Summary of 24-hr TSP Monitoring Results				
Parameter	Monitoring Station	Average (µg/m³)	Range (µg/ m³)	Action Level (µg/ m <sup>3</sup> )	Limit Level (µg/ m <sup>3</sup> )
	AMS 4A	41	33 – 49	200	
24-hr TSP	AMS 7A	42	37 – 52	171	260
in µg/m³	AMS 12	45	36 – 69	168	200
	AMS 17	44	35 – 58	171	

## Table 2.4 Summary of 24-hr TSP Monitoring Results

Table 2.5

#### Summary of 1-hr TSP Monitoring Results

Parameter	Monitoring Station	Average (µg/m³)	Range (µg/ m³)	Action Level (µg/ m <sup>3</sup> )	Limit Level (µg/ m <sup>3</sup> )
1-hr TSP in µg/m³	AMS 4A	47	38 – 62	348	500
	AMS 7A	48	38 – 68	344	
	AMS 12	51	37 – 87	296	
	AMS 17	51	35 – 72	338	

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2.6.6 The Event and Action Plan for air quality is given in **Appendix H**.

## 3. NOISE

## 3.1 Monitoring Requirement

3.1.1 In accordance with the updated EM&A Manuals, L<sub>eq</sub> (30min) monitoring is conducted for at least once a week during the construction phase between 0700 and 1900 on normal weekdays at the designated monitoring locations.

## 3.2 Monitoring Equipment

- 3.2.1 The sound level meter used in noise monitoring will comply with the International Electrotechnical Commission Publication 651:1979 (Type 1) and 804:1985 (Type 1) specifications as referred to in the Technical Memorandum issued under the Noise Control Ordinance (NCO).
- 3.2.2 Sound level calibrator will be used for the on-site calibration of the meter. This calibrator complies with the IEC Publication 942 (1988) Class 1 and ANSI S1.40 1984. Noise measurements were only accepted to be valid if the calibration levels from before and after the measurement agree to within 1.0dB.
- 3.2.3 Measurements shall be recorded to the nearest 0.1dB. Sound level meters are programmed to measure A-weighted equivalent continuous sound pressure level at 30-minute intervals between 0700 and 1900 on normal weekdays at least once a week when construction activities are underway.

**Table 3.1** summarizes the noise monitoring equipment model being used for this project.

ltem	Brand	Model	Equipment	Serial Number
1	Casella	CEL-63X Series	Integrating Sound Level Meter	1367959
2	Casella	CEL-63X Series	Integrating Sound Level Meter	1488272
3	Casella	CEL-63X Series	Integrating Sound Level Meter	1488293
4	Casella	CEL-63X Series	Integrating Sound Level Meter	4181568
5	Casella	CEL-120 Series	Calibrator	2383707
6	Casella	CEL-120 Series	Calibrator	2383886
7	Casella	CEL-120 Series	Calibrator	5230758
8	Casella	CEL-120 Series	Calibrator	5230950

 Table 3.1
 Noise Monitoring Equipment

## 3.3 Monitoring Parameters and Frequency

**Table 3.2** presents the noise monitoring parameters and frequencies.

## Table 3.2Monitoring Parameters and Frequencies of Noise Monitoring

Parameter	Frequency and Period
LAeq (30min)	At each station at 0700-1900 hours on normal weekdays at a frequency
L <sub>10</sub> and L <sub>90</sub> will be recorded for reference	of once a week

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## 3.4 Monitoring Methodology

- 3.4.1 The monitoring procedures are as follows:
  - The monitoring station is set at a point 1m from the exterior of the sensitive receivers building façade and set at a position 1.2m above the ground.
  - The battery condition is checked to ensure good functioning of the meter.
  - Parameters such as frequency weighting, the time weighting and the measurement time are set as follows:
    - frequency weighting : A
    - time weighting : Fast
    - measurement time : Weekly 30 minutes between 0700-1900 on normal weekdays
  - Prior to and after noise measurement, the meter shall be calibrated using the calibrator for 94.0 dB at 1000 Hz. If the difference in the calibration level before and after measurement is more than 1.0 dB, the measurement will be considered invalid and repeat of noise measurement is required after re-calibration or repair of the equipment.
  - Noise monitoring should be cancelled in the presence of fog, rain, and wind with a steady speed exceeding 5 m/s, or wind with gusts exceeding 10 m/s.
  - Noise measurement should be paused during periods of high intrusive noise if possible and observation shall be recorded when intrusive noise is not avoided.
  - At the end of the monitoring period, the Leq, L10 and L90 are recorded. In addition, site conditions and noise sources are recorded on a standard record sheet.

#### 3.5 Maintenance / Calibration

- 3.5.1 Maintenance and Calibration procedures are as follows:
  - The microphone head of the sound level meter and calibrator should be cleaned with a soft cloth at quarterly intervals.
  - The sound level meter and calibrator should be calibrated annually by a HOKLAS laboratory.
  - Relevant calibration certificates are provided in Appendix D.

#### 3.6 Monitoring Locations

3.6.1 According to the updated EM&A Manual, 25 noise monitoring locations were included during the noise monitoring. The monitoring locations are summarized in **Table 3.3** and shown in **Figure 2b**.

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Table 3.3	Location of Noise Monitoring Station			
Monitoring Station	Location	Land Uses	Type of Measurement	
NMS1	Scenery Court	Residential	Façade	
NMS2	Villa Le Parc	Residential	Façade	
NMS3	Hilton Plaza	Residential	Façade	
NMS4	Tin Liu	Residential Village	Façade	
NMS5A	Wai Wah Centre (Site Boundary)	Residential	Façade	
NMS6A	Wai Wah Centre (Site Boundary)	Residential	Façade	
NMS7	Tin Liu	Residential Village	Façade	
NMS8	Shatin Plaza	Residential	Façade	
NMS9	Lek Yuen Estate	Residential	Façade	
NMS10A	Shatin Tsung Tsin School	School	Façade	
NMS11	Sheung Wo Che	Residential Village	Façade	
NMS12	SKH Holy Spirit Primary School	School	Façade	
NMS13	Lek Yuen Estate	Residential	Façade	
NMS14	Sheung Wo Che	Residential Village	Façade	
NMS15	Ha Wo Che	Residential Village	Façade	
NMS16	Ha Wo Che	Residential Village	Façade	
NMS17	Shatin Pui Ying College	School	Façade	
NMS18	Ha Wo Che	Residential Village	Façade	
NMS19	Wo Che Estate	Residential	Façade	
NMS20	Wo Che Estate	Residential	Façade	
NMS23	Pai Tau	Residential Village	Façade	
NMS24	Shatin Plaza	Residential	Façade	
NMS25A	Sheung Wo Che	Residential Village	Façade	
NMS26	Wo Che Estate	Residential	Façade	
NMS27	Jockey Club Ti-I College	School	Façade	

## Table 3.3 Location of Noise Monitoring Station

## 3.7 Results and Observations

- 3.7.1 The schedule of noise monitoring in reporting month is provided in **Appendix E**.
- 3.7.2 The exam schedules of the schools and Arrangements on Deferral of Class Resumption for All Schools are provided in **Appendix E**.
- 3.7.3 During the monitoring month, road traffic along Tai Po Road was observed which may affect the monitoring results.
- 3.7.4 According to the onsite observation, no raining was observed and no wind speed over 5 m/s was measured during the noise monitoring. The weather conditions during the monitoring month are provided in **Appendix K**.
- 3.7.5 The day time noise monitoring data are summarized in **Table 3.4**. Detailed monitoring data are presented in **Appendix G**.

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	L <sub>eq (30min)</sub> Range, dB(A)		
Monitoring	Construction Noise	L <sub>eq (30min)</sub> Limit Level,	
Station	Level	dB(A)	
NMS1	56.2 – 65.1	75	
NMS2	52.0 - 53.8	75	
NMS3	54.7 – 71.6	75	
NMS4	62.3 - 65.4	75	
NMS5A	68.4 - 71.8	75	
NMS6A	69.3 – 72.3	75	
NMS7	64.6 - 70.1	75	
NMS8	64.7 - 65.5	75	
NMS9	62.2 - 65.7	75	
NMS10A	62.1 - 64.4	70 [2]	
NMS11	57.3 - 63.1	75	
NMS12	63.7 - 64.8	65 & 70 <sup>[2,3]</sup>	
NMS13	59.2 - 63.5	75	
NMS14	56.7 - 64.0	75	
NMS15	54.8 - 63.6	75	
NMS16	55.9 - 65.3	75	
NMS17	63.0 - 64.1	65 & 70 <sup>[2,3]</sup>	
NMS18	56.4 - 63.9	75	
NMS19	62.5 - 66.5	75	
NMS20	60.0 - 67.7	75	
NMS23	58.1 – 65.7	75	
NMS24	63.2 - 66.2	75	
NMS25A	59.0 - 63.5	75	
NMS26	68.8 - 73.9	75	
NMS27	61.3 - 64.2	70 <sup>[2]</sup>	

#### Table 3.4 Summary of Day Time Noise Impact Monitoring Results

Note: 1. L<sub>eq (30min)</sub> was measured at day-time (0700-1900) on normal weekdays.
2. 70 dB (A) for schools and 65 dB (A) for schools during examination period. The school calendar are provided in **Appendix E**.

3. The limit level was 65 dB (A) for SKH Holy Spirit Primary School (NMS 12) during 13 – 16 December 2021.

4. The limit level was 65 dB (A) for Shatin Pui Ying College (NMS 17) during 14 – 16 December 2021.

3.7.6 Regular night time noise monitoring were conducted on 2, 9, 16, 23 and 30 December 2021 and the results are summarized in **Table 3.5**. Detailed monitoring data are presented in **Appendix G.** 

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Table 3.5         Summary of Night Time Noise Impact Monitoring Results				
Monitoring Station	L <sub>eq (15min)</sub> Range, dB(A) Construction Noise Level	L <sub>eq (15min)</sub> Limit Level, dB(A)	L <sub>eq (15min)</sub> Baseline, dB(A)	
NMS1	59.5 – 61.1	55	61.4	
NMS2	51.0 - 52.5	55	49.7	
NMS3	59.8 - 66.2	55	70.9	
NMS4	60.7 - 62.4	55	62.6	
NMS5A	64.7 - 67.8	55	67.9	
NMS6A	66.7 – 71.2	55	71.5	
NMS7	52.3 – 58.8 <sup>[2]</sup>	55	59.0	
NMS8	58.5 - 62.7	55	64.4	
NMS9	51.4 – 54.4 <sup>[2]</sup>	55	53.5	
NMS11	50.3 - 54.4	55	53.2	
NMS13	53.7 – 56.7 <sup>[2]</sup>	55	57.3	
NMS14	51.4 – 54.7 <sup>[2]</sup>	55	54.1	
NMS15	42.0 - 58.0 <sup>[2]</sup>	55	58.8	
NMS16	55.6 – 59.5	55	60.1	
NMS18	55.1 – 61.9	55	63.2	
NMS19	58.2 – 61.6	55	61.7	
NMS20	52.4 - 56.8	55	57.7	
NMS23	44.5 – 59.3 <sup>[2]</sup>	55	59.9	
NMS24	40.3 - 57.4 <sup>[2]</sup>	55	58.0	
NMS25A	52.4 - 57.3	55	59.7	
NMS26	53.6 – 61.1 <sup>[2]</sup>	55	61.2	

able 3.5	Summary of N	Night Time No	oise Impact Mo	nitoring Results

Note: 1. Leg (15min) was measured at night-time (2300-0700).

2. If measured noise level (Leq) > limit level, Corrected noise level (CNL) is calculated as:

 $10 \times \log \left[ \left( 10^{\frac{\text{Measured noise level, Leg}}{10}} \right) - \left( 10^{\frac{\text{Baseline noise level}}{10}} \right) \right]$ 

- 3. Detailed analysis of each monitoring location is provided in Appendix G.
- 3.7.7 Day time construction noise monitoring was carried out in the reporting month, no Action / Limit Level exceedance was recorded during the period. For night time noise monitoring, no exceedance case was recorded between 2300 and 0700 of the next day due to construction during the reporting month.
- 3.7.8 The Action and Limit Levels for noise impact monitoring have been set and are presented in Appendix C.
- 3.7.9 The Event and Action Plan for noise is given in **Appendix H**.



## 4. LANDSCAPE AND VISUAL

#### 4.1 Audit Requirements

- 4.1.1 In accordance with the EM&A Manual, the landscape and visual mitigation measures during the construction phase are primarily due to those associated temporary works for the construction of retrofitting noise barriers/enclosures. To ensure compliance with the intended aims of the measures, weekly site inspections are undertaken throughout the construction period.
- 4.1.2 According to the updated EM&A Manual, measures to mitigate landscape and visual impacts during construction should be checked to ensure compliance with the intended aims of the measures. The progress of the engineering works shall be regularly reviewed onsite to identify the earliest practical opportunities for the landscape works to be undertaken. The ET shall report on the Contractor's compliance on a weekly basis.

#### 4.2 Results and Observations

- 4.2.1 Site audits were carried out to monitor and audit the implementation of landscape and visual mitigation measures. The summary of the site audits are given in **Appendix M**.
- 4.2.2 No non-compliance of the landscape and visual impact was recorded in the reporting month.

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#### 5. WASTE MANAGEMENT

#### 5.1 Audit Requirements

- 5.1.1 The effective management of waste arising during the construction phase will be monitored through the site audit programme. Regular audits and site inspections should be carried out to ensure that the recommended good site practices and other mitigation measures are implemented by the Contractor.
- 5.1.2 The audit should look at all aspects of on-site waste management practices including the waste generation, storage, recycling, transport and disposal. The aims of waste audit are:
  - to ensure the waste arising from the works are handled, stored, collected, transferred and disposed of in an environmentally acceptable manner;
  - verify the implementation status and evaluate the effectiveness of the mitigation measures; and
  - to encourage the reuse and recycling of material.

#### 5.2 Results and Observations

- 5.2.1 C&D materials and wastes sorting were carried out on site. Receptacles were available for C&D wastes and general refuse collection.
- 5.2.2 The amount of wastes generated by the site activities in the reporting month is shown in **Appendix I**.

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## 6. SITE INSPECTION

#### 6.1 Site Inspection

- 6.1.1 Site inspections were carried out weekly to monitor the implementation of proper environmental pollution control and mitigation measures for the Project. A summary of the mitigation measures implementation schedule is provided in **Appendix J**.
- 6.1.2 In the reporting month, 5 site inspections were carried out on 2, 9, 14, 20 and 29 December 2021. The site inspection held on 20 December 2021 was joint inspection with the IEC, ER, the Contractor and the ET during the reporting period.
- 6.1.3 The follow-up actions requested by ET and IEC during the site inspections were completed, reported by the Contractor. All the rectifications during the reporting period were fulfilled with the requirement of Proposal of Site Inspection, Deficiency and Remedial Action. No outstanding issues were reported during the reporting month. Details of observations recorded during the site inspections are summarized in **Appendix M**.
- 6.1.4 Day-time site inspections were carried out by the Environmental Protection Inspectors (EPIs) on 14<sup>th</sup> December 2021, at Zone 1 to 3 south boundary. The EPIs inspected the general site condition, storage and handling of chemical waste, temporary wastewater treatment system, dust control and noise mitigation measures. There was no particular observation during the site inspection, while the EPI reminded the Main Contractor that sedimentation tank should be desilted and have pH monitoring regularly.
- 6.1.5 Night-time site inspection was carried out by EPIs on 4<sup>th</sup> December 2021 from 12:30 to 12:45 a.m. at Zone 3, RW6. The EPIs inspected the site condition, PMEs being used, and construction activities being held. There is no particular observation during the site inspection.



## 7. ENVIRONMENTAL COMPLAINT AND NON-COMPLIANCE

## 7.1 Environmental Exceedance

- 7.1.1 24-hour and 1-hour TSP impact monitoring were carried out in the reporting month, no Action / Limit Level exceedance was recorded during the period.
- 7.1.2 Day time construction noise monitoring was carried out in the reporting month, no Action / Limit Level exceedance was recorded during the period. Regular night time noise monitoring was carried out on 2, 9, 16, 23 and 30 December 2021 respectively and no exceedance case was recorded between 2300 and 0700 of the next day during the reporting month.

## 7.2 Complaints, Notification of Summons and Prosecution

7.2.1 A complaint was received by 1823 (ref: CASE#3-6991122920) on 26<sup>th</sup> November 2021 at 11:31 a.m. The complainant, Mr Chan concerned about the night-time noise nuisance generated from road surfacing works at Tai Po Road and near Shing Mun Tunnel Road.

The construction work activities were allowed under the in-force CNP no.: GW-RN0600-21 Road Closure for General Night Works. According to the Main Contractor, the construction work activities were carried out during the permitted hours (22:00-05:00) on 25^26<sup>th</sup> November 2021 at Tai Po Road (Zone 1 and 2). The construction activities were carried out within the allowable location and within the site boundary listed in the CNP. The night-time construction works included TTA implementation, asphalt milling, mobilization in and out of construction site, asphalt paving, compaction of asphalt pavement, loading and unloading of fill materials, and site clearance.

ET checked that the Main Contractor had complied with the conditions in CNP No.: GW-RN0600-21 about the allowable location, constriction time period, PMEs type and groups and mitigation measures. While prior notification was sent to EPD on 19<sup>th</sup> November 2021 and Notice to Affected Residents – PN162 have been issued to nearby NSRs on 27<sup>th</sup> October 2021. The Main Contractor was reminded to pay attention to CNP conditions and minimize the noise nuisance to the nearby NSRs when carry out similar night-time construction work activities in the future.

7.2.2 A complaint was received by 1823 (ref: CASE#3-6989137345) on 25<sup>th</sup> November 2021 at 9:28 a.m. The complainant, Ms Sun concerned about the recent noise nuisance from the night-time construction work activities near Sha Tin Station.

The construction work activities were allowed under the in-force CNP no.: GW-RN0600-21 Road Closure for General Night Works. According to the Main Contractor, the construction work activities were carried out during the permitted hours (22:00-05:00) on 23^24<sup>th</sup> November 2021 near Sha Tin Station (at Zone 2). The construction activities were carried out within the allowable location and within the site boundary listed in the CNP. The night-time construction works included TTA implementation, asphalt milling, asphalt paving, compaction of asphalt pavement, loading and unloading of materials, and site clearance.

ET checked that the Main Contractor had complied with the conditions in CNP No.: GW-RN0600-21 about the allowable location, constriction time period, PMEs type and groups and mitigation measures. While prior notification was sent to EPD on 19<sup>th</sup> November 2021 and Notice to Affected Residents – PN162 have been issued to nearby NSRs on 27<sup>th</sup> October 2021. The Main Contractor was reminded to pay attention to CNP conditions and minimize the

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noise nuisance to the nearby NSRs when carry out similar night-time construction work activities in the future.

- 7.2.3 Total five complaints were received during the reporting months.
- 7.2.4 The 1<sup>st</sup> complaint was received by 1823 (ref: CASE#3-6997727629) on 1<sup>st</sup> December 2021 at 11:50 a.m. The complainant concerned about the night-time noise nuisance generated near Sha Tin Station.

The construction work activities were allowed under the in-force CNP no.: GW-RN0600-21 Road Closure for General Night Works. According to the Main Contractor, the construction work activities were carried out during the permitted hours (22:00-05:00) on 30th November ^ 1st December 2021 near Sha Tin Station (at Zone 2). The construction activities were carried out within the allowable location and within the site boundary listed in the CNP. The night-time construction works included TTA implementation, asphalt milling, asphalt paving, compaction of asphalt pavement, painting of road marking, loading and unloading of materials, and site clearance.

ET checked that the Main Contractor had complied with the conditions in CNP No.: GW-RN0600-21 about the allowable location, constriction time period, PMEs type and groups and mitigation measures. While prior notification was sent to EPD on 19<sup>th</sup> November 2021 and Notice to Affected Residents – PN162 and 165 have been issued to nearby NSRs on 27<sup>th</sup> October and 29<sup>th</sup> November 2021. The Main Contractor was reminded to pay attention to CNP conditions and minimize the noise nuisance to the nearby NSRs when carry out similar night-time construction work activities in the future.

7.2.5 The 2<sup>nd</sup> complaint was received by the EPD Regional Office (North) on 7<sup>th</sup> December 2021. The complainant concerned about the night-time noise nuisance generated from the operation of PMEs near Lek Yuen Estate, Kwai Wo House on 7th December 2021 at 2:00-3:00 a.m.

The construction work activities were allowed under the in-force CNP no.: GW-RN0600-21 Road Closure for General Night Works. According to the Main Contractor, the construction work activities were carried out during the permitted hours (22:00-05:00) on 6^7th December 2021 near Kwai Wo House (at Zone 3). The construction activities were carried out within the allowable location and within the site boundary listed in the CNP. The night-time construction works included TTA implementation, lifting of steel truss of overhead height restriction gantry, installation of overhead height restriction gantry, and site clearance.

ET checked that the Main Contractor had complied with the conditions in CNP No.: GW-RN0600-21 about the allowable location, constriction time period, PMEs type and groups and mitigation measures. While prior notification was sent to EPD on 19<sup>th</sup> November 2021 and Notice to Affected Residents – PN165 have been issued to nearby NSRs on 29<sup>th</sup> November 2021. The Main Contractor was reminded to pay attention to CNP conditions and minimize the noise nuisance to the nearby NSRs when carry out similar night-time construction work activities in the future.

7.2.6 The 3<sup>rd</sup> complaint was received by 1823 (ref: CASE#3-7020268390) on 16<sup>th</sup> December 2021 at 12:27 a.m. The complainant concerned about the recent night-time noise nuisance generated from the construction works near Wai Wah Centre Block 3. This complaint was referred from AECOM to ET on 16<sup>th</sup> December 2021 at 4:33 p.m.



- 7.2.7 The 4<sup>th</sup> complaint was received by 1823 (ref: CASE#3-6727963845) on 21<sup>st</sup> December 2021 at 8:35 a.m. and 22<sup>nd</sup> December 2021 at 5:06 p.m. The complainant, Ms. So concerned about the noise nuisance generate from the day-time construction activities near Wo Che Estate, Mei Wo House. This complaint was referred from AECOM to ET on 23<sup>rd</sup> December 2021 at 1:06 p.m.
- 7.2.8 The 5<sup>th</sup> complaint was received by 1823 (ref: CASE#3-7043757669) on 29<sup>th</sup> December 2021 at 12:07 a.m. and 01:18 a.m. The complainant concerned about the noise nuisance generate from the night-time construction activities at Tai Po Road on 22<sup>nd</sup>/23<sup>rd</sup> and 28^29<sup>th</sup> December 2021. This complaint was referred from AECOM to ET on 30<sup>th</sup> December 2021 at 4:33 p.m.
- 7.2.9 For the 3<sup>rd</sup>, 4<sup>th</sup> and 5<sup>th</sup> complaint, ET is carrying out investigation and the incident report will be submitted to EPD in January 2022.
- 7.2.10 Cumulative complaint log, summaries of complaints, notification of summons and successful prosecutions are presented in **Appendix L.**



## 8. IMPLEMENTATION STATUS OF ENVIRONMENTAL MITIGATION MEASURES

#### 8.1 Implementation Status

- 8.1.1 The Contractor has implemented environmental mitigation measures and requirements as stated in the EIA Review Report, the EP and the updated EM&A Manuals. The implementation status of the mitigation measures during the reporting month is summarized in **Appendix J**.
- 8.1.2 According to the environmental audit performed in the reporting month, the following recommendations were made:

#### Air Quality Impact

- The stockpile of excavated soil should be covered with tarpaulin to prevent dust impact (Zone 5, SB, S3E1).
- NRMM label should be displayed at a conspicuous position (Zone 4, SB, NF66).
- Newly implemented drill rig should have a proper NRMM label and displayed at a conspicuous position (Zone 3, SB, S05).

#### **Construction Noise Impact**

• No specific observation was identified in the reporting month.

#### Water Quality Impact

- The sedimentation tank should be desilted and have pH monitoring regularly (Zone 3, SB, S10).
- Mitigation measures (such as cleaning of u-channel, sandbag bunding and covered with tarpaulin) should be provided to minimize muddy water formation or overflow to the cycling track (Zone 5, SB, S15).
- The Contractor should prevent a stockpile of excavated soil next to the site boundary. Covering with tarpaulin or lowering the soil's height should be applied to prevent muddy water formation or overflow to the cycling track (Zone 5, SB, S15).
- Sandbags with tarpaulin should be provided next to the pilling machine. It is to prevent mud being disposed to the highway (Zone 5, SB, S3E1).

## Chemical and Waste Management

- Chemical containers should be placed on a drip tray to prevent soil contamination. Moreover, the drip tray should be repaired in order to have an impermeable floor and bunding for holding any chemical leakage accidentally (Zone 1, NB, R1).
- Chemical containers should be placed on a drip tray to prevent soil contamination (Zone 4, SB, S6E1).
- Drip tray should be provided for holding the chemicals. Also need to cover properly to prevent soil contamination (Zone 5, SB, S15).

#### Land Contamination

• No specific observation was identified in the reporting month.

#### Landscape and Visual Impact

• No specific observation was identified in the reporting month.

## General Condition

• No specific observation was identified in the reporting month.

## Permit / Licenses

• No specific observation was identified in the reporting month.

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## 9. FUTURE KEY ISSUES

## 9.1 Construction Programme for the Next Month

During the coming reporting month, the principal work activities within the site include:

- (1) Tree Preservation, Felling, Pruning, Transplantation in Zone 1, 2 and 3.
- (2) Trial Pits Excavation in Zone 1 and 2.
- (3) Road Surface Maintenance in Zone 1, 2, 3, 4 and 5.
- (4) Noise Barrier Foundation Works in Zone 1, 2, 4 and 5.
- (5) Noise Barrier Erection Works in Zone 1 and 2.

(6) Road Reconstruction Works, Sheet Pile Removal and Lane Shifting Works in Zone 1 and 2.

(7) Mini Pile Construction Works in Zone 1, 2 and 5.

(8) Construction, Diversion of Underground Utilities, including ELS works and Sheet Piling in Zone 3.

- (9) FRP Platform Erection in Zone 3.
- (10) Retaining Wall and Lagging Wall Construction Works in Zone 3.
- (11) Construction of Cycle Track Subway, Pump Room and Stem Wall Construction Works in Zone 3.
- (12) Demolition of Existing Parapet in Zone 3.
- (13) Pre Bore H Pile Construction Works and Steel Works Installation for Lift in Zone 3.
- (14) Profile Barrier, Stem Wall Construction Works and Foundation Works for SR2 in Zone 3.
- (15) Construction Works for N263 & N264 Bridge Deck Widening and SR6 Temporary Widening in Zone 3.
- (16) ELS Works at SHA for Widening of SR3 in Zone 3.
- (17) Removal of Existing Sign Gantries in Zone 3.
- (18) NF40 Footbridge Construction Works in Zone 4.
- (19) Stem Wall and Drainage Construction Works in Zone 5.

## 9.2 Key Issues for the Coming Month

9.2.1 Potential environmental impacts arising from the above construction activities are mainly associated with construction dust, construction noise, water quality, waste management and landscape and visual impact.

## 9.3 Monitoring Schedules for the Next Month

9.3.1 The tentative schedules for environmental monitoring in the coming month are provided in **Appendix E**.



## 10. CONCLUSIONS

- 10.1.1 24-hour and 1-hour TSP impact monitoring were carried out in the reporting month, no Action / Limit Level exceedance was recorded during the period.
- 10.1.2 Day time construction noise monitoring was carried out in the reporting month, no Action / Limit Level exceedance was recorded during the period.
- 10.1.3 Regular night time noise monitoring was carried out on 2, 9, 16, 23 and 30 December 2021, respectively and no exceedance case was recorded between 2300 and 0700 of the next day during the reporting month.
- 10.1.4 5 site inspections were carried out on 2, 9, 14, 20 and 29 December 2021. Recommendations on mitigation measures on air quality, construction noise, water quality, chemical and waste management were given to the Contractor for remediating the deficiencies identified during the site inspections.
- 10.1.5 Total five complaints were received during the reporting months. (1) The 1<sup>st</sup> complaint was received by 1823 (ref: CASE#3-6997727629) on 1st December 2021 at 11:50 a.m. The complainant concerned about the night-time noise nuisance generated near Sha Tin Station. (2) The 2<sup>nd</sup> complaint was received by the EPD Regional Office (North) on 7<sup>th</sup> December 2021. The complainant concerned about the night-time noise nuisance generated from the operation of PMEs near Lek Yuen Estate on 7<sup>th</sup> December 2021 at 2:00-3:00 a.m. (3) The 3<sup>rd</sup> complaint was received by 1823 (ref: CASE#3-7020268390) on 16<sup>th</sup> December 2021 at 12:27 a.m. The complainant concerned about the recent night-time noise nuisance generated from the construction works near Wai Wah Centre Block 3. This complaint was referred from AECOM to ET on 16th December 2021 at 4:33 p.m. (4) The 4th complaint was received by 1823 (ref: CASE#3-6727963845) on 21st December 2021 at 8:35 a.m. and 22nd December 2021 at 5:06 p.m. The complainant, Ms. So concerned about the noise nuisance generate from the daytime construction activities near Wo Che Estate, Mei Wo House. This complaint was referred from AECOM to ET on 23<sup>rd</sup> December 2021 at 1:06 p.m. (5) The 5<sup>th</sup> complaint was received by 1823 (ref: CASE#3-7043757669) on 29th December 2021 at 12:07 a.m. and 01:18 a.m. The complainant concerned about the noise nuisance generate from the night-time construction activities at Tai Po Road on 22<sup>nd</sup>/23<sup>rd</sup> and 28/29<sup>th</sup> December 2021. This complaint was referred from AECOM to ET on 30th December 2021 at 4:33 p.m. For the 3rd, 4th and 5th complaint, ET is carrying out investigation and the incident report will be submitted to EPD in January 2022.

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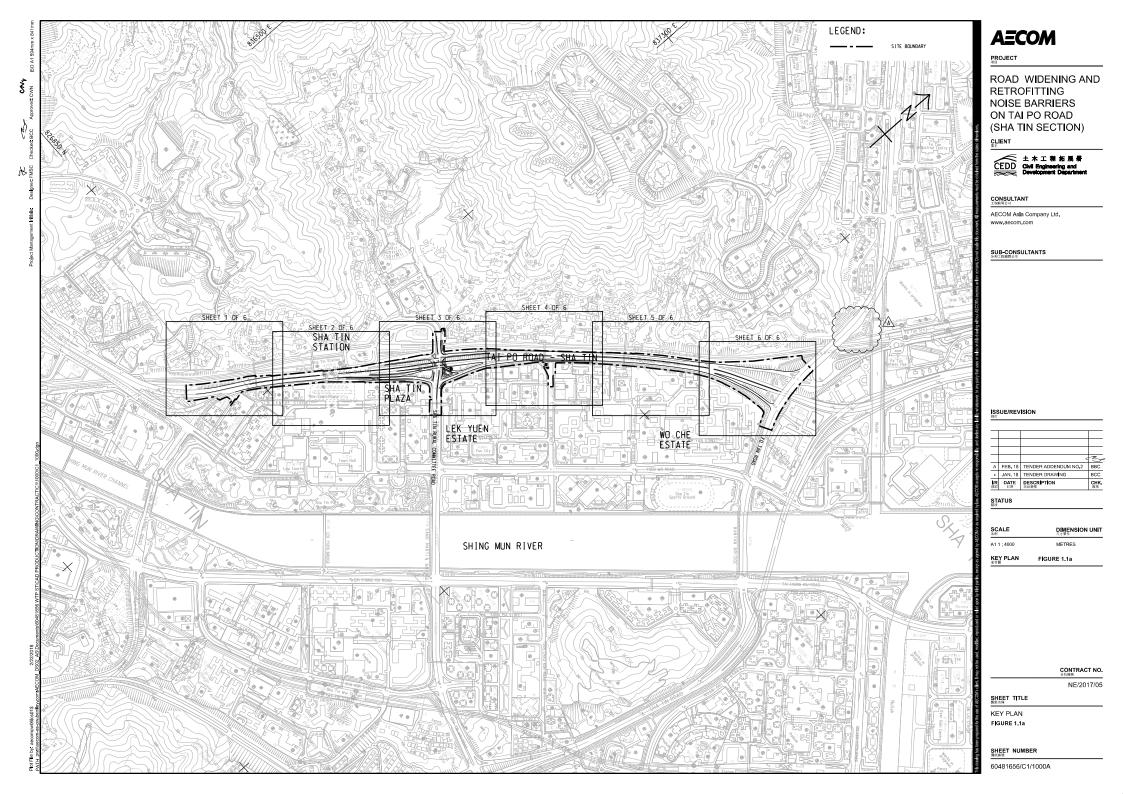
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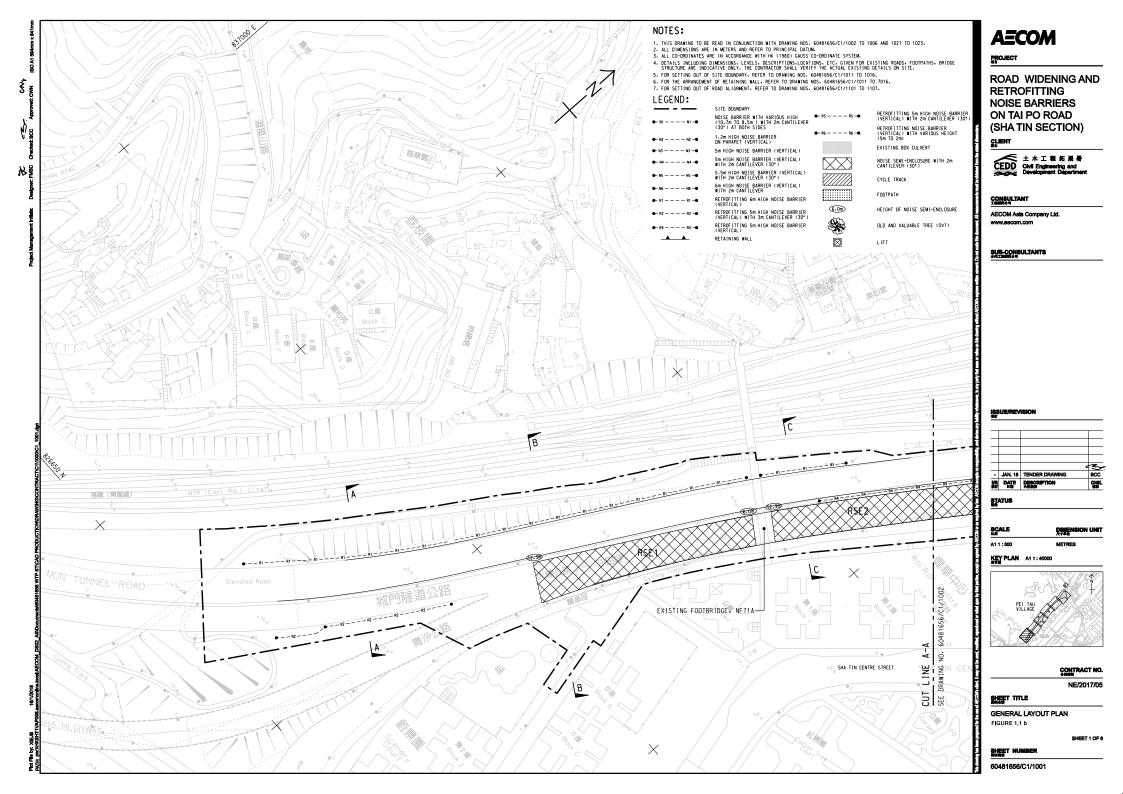


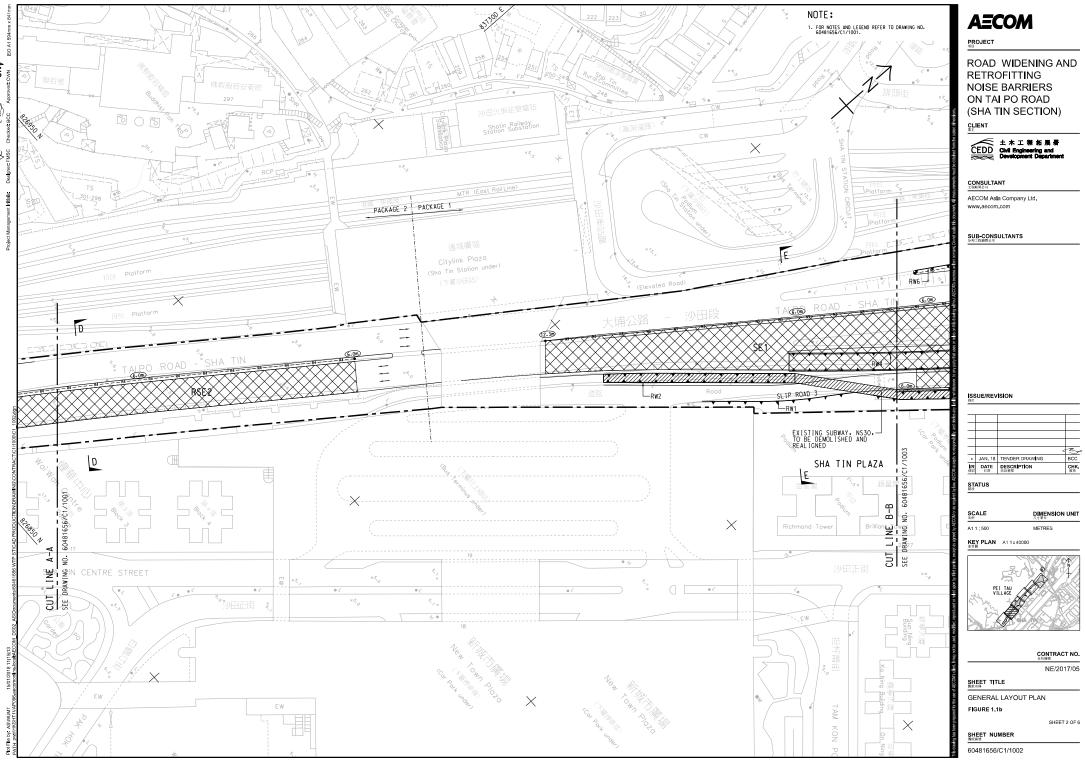
Figure 1

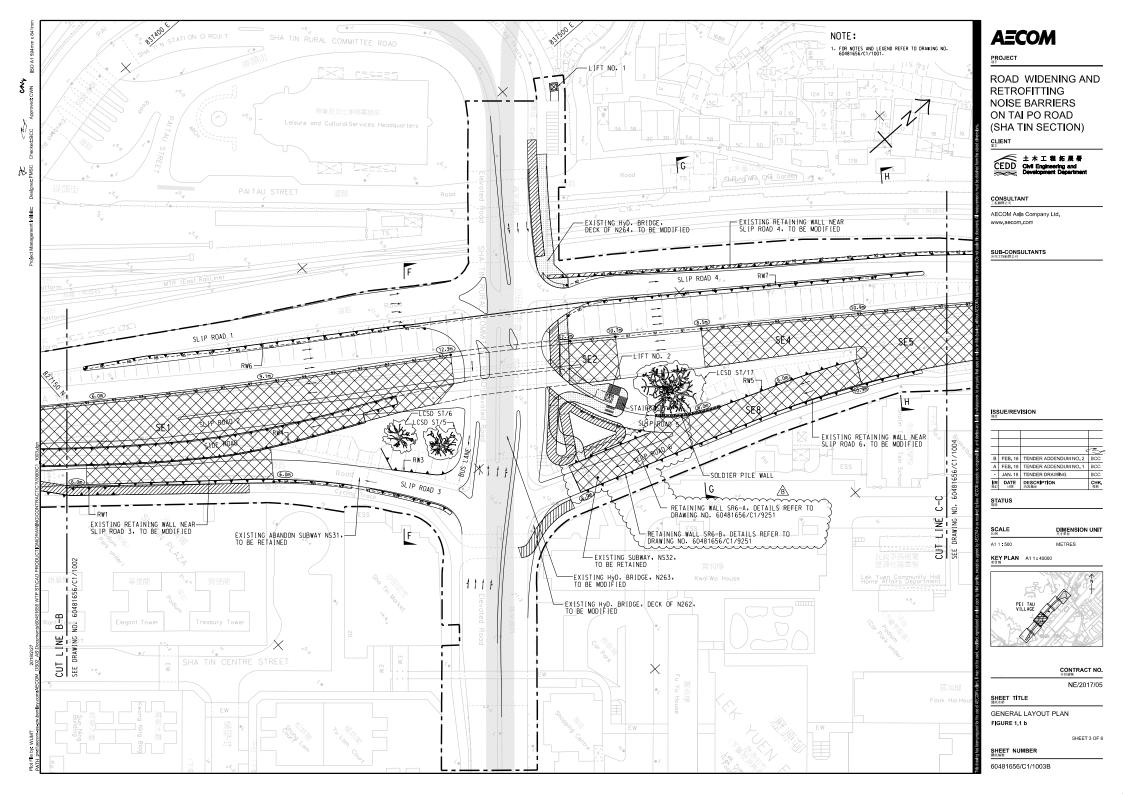
**Project General Layout** 

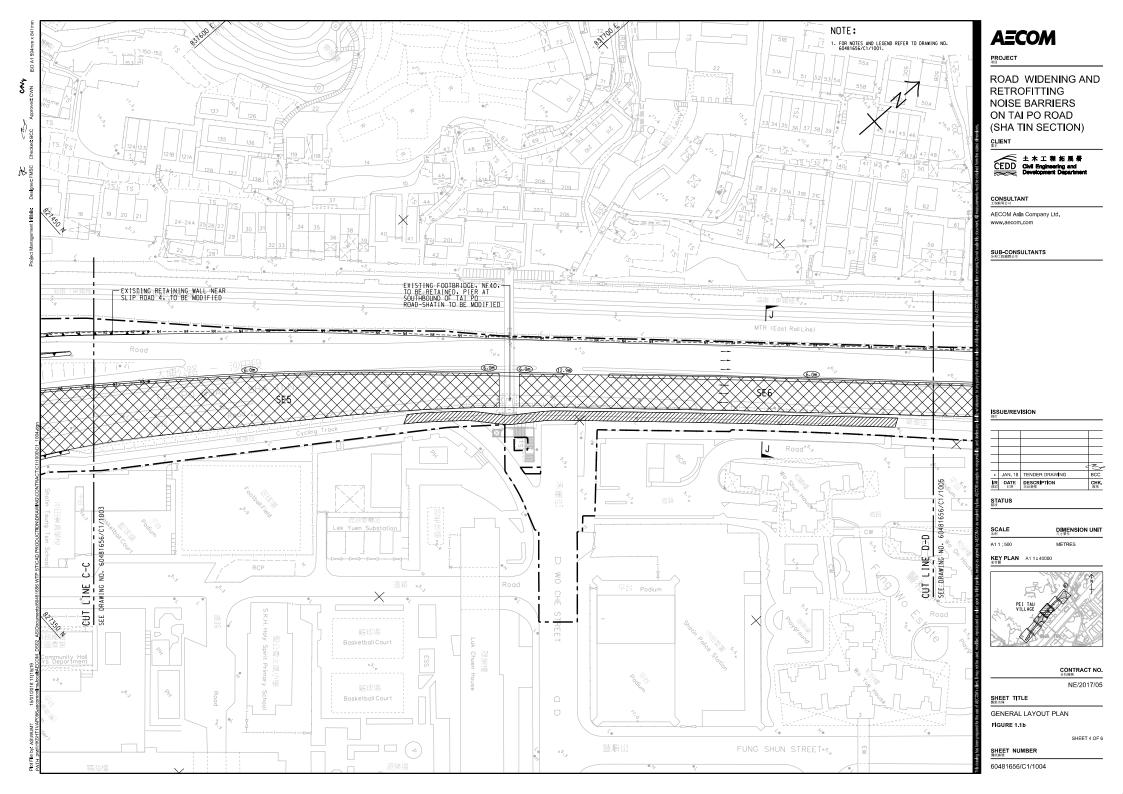
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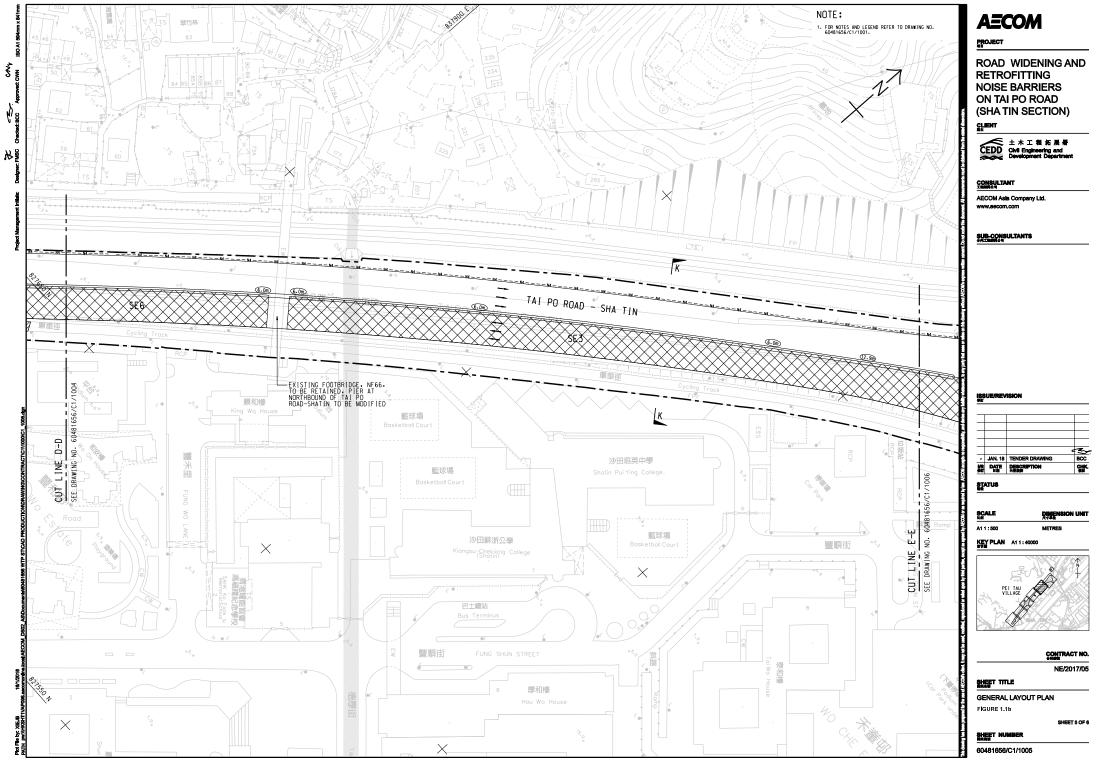


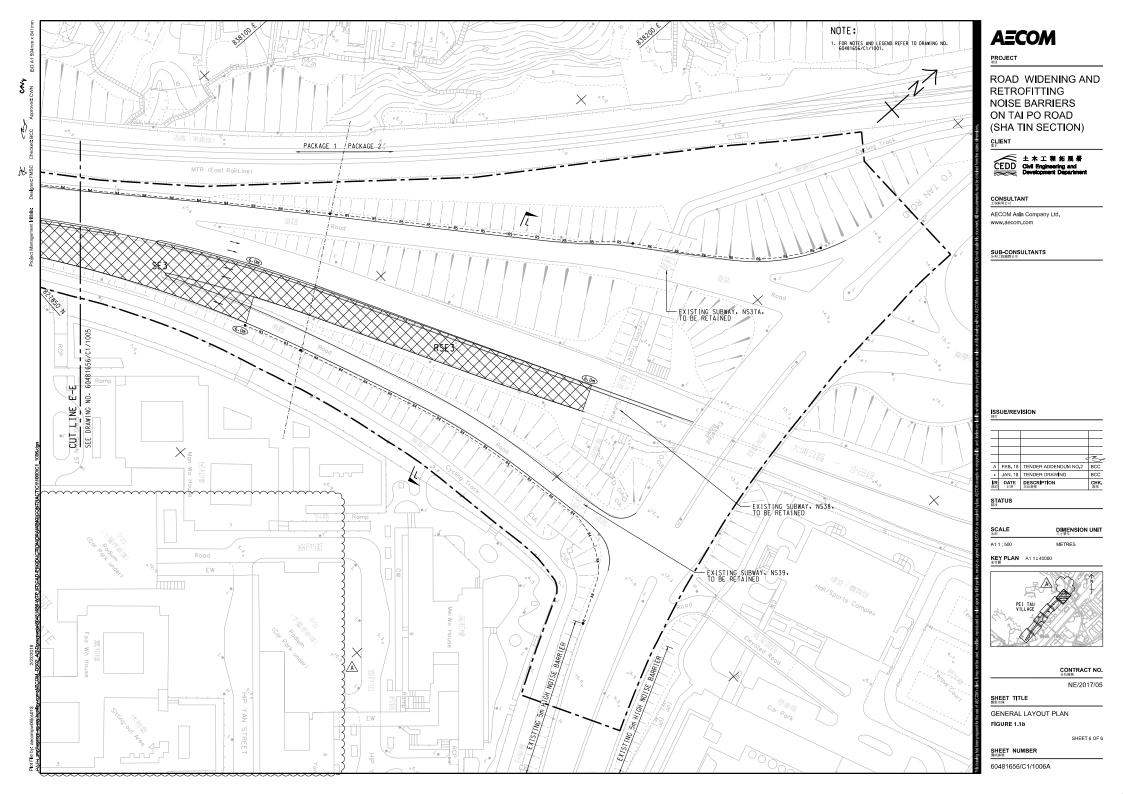












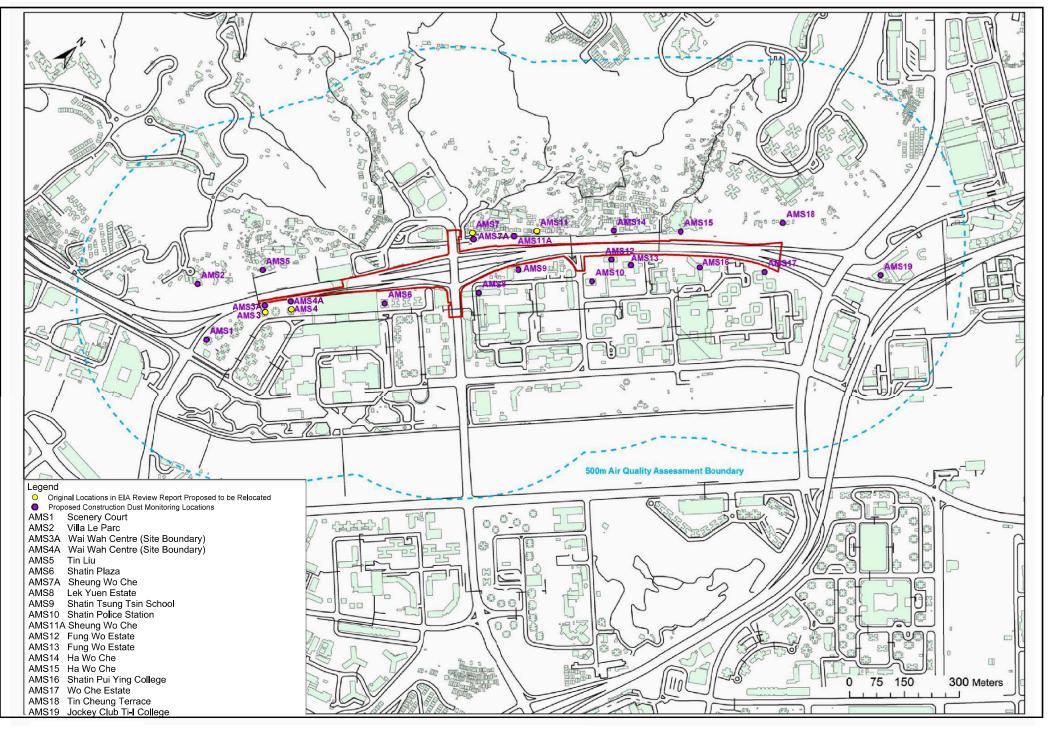
Fugro Development Centre, 5 Lok Yi Street, Tai Lam, Tuen Mun, N.T., Hong Kong.

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Figure 2a

**Air Monitoring Locations** 





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Figure 2b

**Noise Monitoring Locations** 

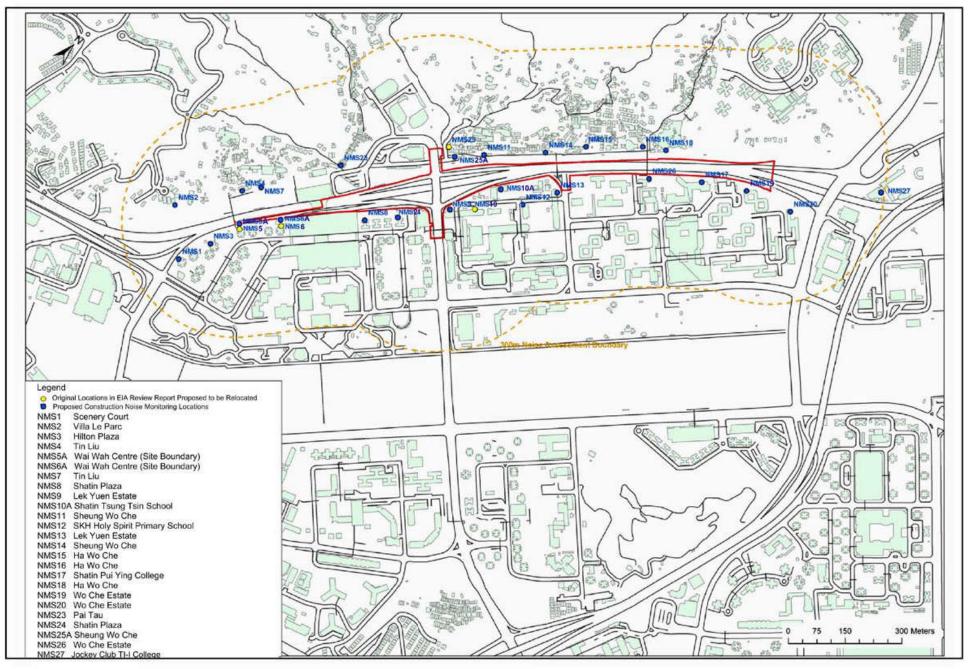


Figure 2b Noise Monitoring Locations



Fugro Development Centre, 5 Lok Yi Street, Tai Lam, Tuen Mun, N.T., Hong Kong.

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Appendix A

**Construction Programme** 

	Activity Name	Original Rem Duration Du	aining 3MRP Start unation	3MRP Finish	DWP 2111 Start	DWP 2111 Finish	Z021 Z022 Nov Dec Jan /	ab M
ntraat N	E/2017/05 Road Widening and Retrofittin	ng Nois	se Barriers	on Tai F	Po Boar	111 :	4 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	
		ig non						
	KEY DATES				and the second			
IOJECT COM		0	0	29-Dec-21*		29-Dec-21	S Contract Completion of Section 3	
EY1130	Contract Completion of Section 3	0		EU DEU EI				
	ARIES & GENERAL REQUIREMENT							·····
ENERAL SUB	MISSION ITP's for Lighting Luminaires and System	0	0 30-Nov-21*		12-Nov-21		6 ITP's for Lighting Luminaires and System	
SUB1405	All Lighting Designs	0	0 30-Nov-21*		12-Nov-21		All Lighting Designs	
SUB1410	Combined Services Drawings (CSD)	0	0 30-Nov-21*		12-Nov-21		Combined Services Drawings (CSD)	
ESIGN S	UBMISSION							
IOISE MITIGAT	ION MEASURES						Develop Forestation Device of National Estimation Measurer In Zono 3 w/Destion Certification	
DES1260	Re-submit Foundation Design of Noise Mitigation Measures in Zone 3	23	1 29-Mar-21 A 28 01-Dec-21		31-Mar-21 13-Nov-21	22-Apr-21 10-Dec-21	Re-submit Foundation Design of Noise Mitigation Measures in Zone 3 w/Design Certificate	
DES1270 DES1290	PM Consent for Construction PM review & comment	28	1 07-Aug-19 A		31-Aug-19		n PM review & comment	
DES1290	Re-submit Superstructure Design of Noise Mitigation Measures in Zon	20	1 26-Aug-19 A		12-Sep-21	02-Oct-21	Re-submit Superstructure Design of Noise Miligation Measures in Zone 1 & 2 w/Design Certificate	
DES1310	PM Consent for Construction	28	1 16-Sep-19 A		03-Sep-21		PM Consent for Construction	
DES1330	PM review & comment	28	11 07-Aug-19 A 21 12-Dec-21		31-Aug-19 24-Nov-21	27-Sep-19 15-Dec-21	PM review & comment Re-submit Superstructure Design of Noise Mitigation Measures in Zone 3 w/Design	n Certificate
DES1340 DES1350	Re-submit Superstructure Design of Noise Mitigation Measures in Zon PM Consent for Construction	21		30-Jan-22		12-Jan-22	PM Consent for Construction	
DES1330	PM review & comment	28	11 07-Aug-19 A	11-Dec-21		27-Sep-19	PM review & comment	cian Cartificato
DES1380	Re-submit Superstructure Design of Noise Mitigation Measures in Zon	20	20 12-Dec-21		24-Nov-21 14-Dec-21	14-Dec-21	Re-submit Superstructure Design of Noise Mitigation Measures in Zones 4 & 5 w/Der	
DES1390	PM Consent for Construction	28	28 01-Jan-22	29-Jan-22	14-Dec-21	11-Jan-22		
DES1490	PM review & comment	28	1 25-Jan-19 A	30-Nov-21	04-Aug-19	01-Sep-19	PM review & comment	
DES1500	Re-submit Foundation Design of Pedestrian Lift 1 & 2, Lift 2 Staircase,	35	1 13-Apr-20 A	02-Dec-21	02-Jun-20		Re-submit Foundation Design of Pedestrian Lift 1 & 2, Lift 2 Staircase, Cycle Track Ramp & Sign Gantry w/Design Confife	
DES1510	PM Consent for Construction	28			14-Nov-21		PM Consent for Construction	
DES1530	PM review & comment	28	1 02-Jan-19A 1 02-Jan-19A		31-Jan-19 02-Apr-19		PM review & comment     Pe-submit Design of Watermain & Irrigation System w/Design Certificate	
DES1540 DES1560	Re-submit Design of Watermain & Irrigation System w/Design Certifica Prepare & submit Design of E&M System (E&M & Road Lighting) w/De	35	35 30-Nov-21	03-Jan-22			Prepare & submit Design of E&M System (E&M & Road Lighting) w/Design Certit	ficate
DES1570	PM review & comment	28	28 04-Jan-22	31-Jan-22	17-Dec-21	13-Jan-22	PM review & comment	
DES1580	Re-submit Design of E&M System (E&M & Road Lighting) w/Design Co	32	32 02-Feb-22	05-Mar-22		15-Feb-22		
DES1590	PM Consent for Construction	28	28 06-Mar-22	02-Apr-22	10-Fe0-22	15-Mar-22		
	ING & PROCUREMENT SCHEDULE		Contraction of the		10.00	Section 2		
SUBLETTING	The bit Contactor	30	3 31-Oct-20 A	26-Dec-21	13-Jul-21	11-Aug-21	Fexable Surfacing	
SPS1180	Flexible Surfacing Road Marking and Road Studs	30	6 30-Nov-20 A		13-Jul-21	11-Aug-21	Road Marking and Road Studs	
	Sub-base and Concrete pavement	30	3 31-Oct-20 A		31-Jul-21	29-Aug-21	Sub-base and Concrete pavement	
SPS1190 SPS1230				ALC: NUMBER OF				
SPS1230	TWEEN SHING MUN TUNNELS ROAD A	AND FO	DOT BRIDO	ENF/1	A (ZON	E 1)		:
SPS1230		AND FO		aE NF/1	A (ZON	E 1)		
SPS1230 VORK BI PRELIMINARI SUMMARY PRO	ES WORKS						Zone 1 Stage 1 RSE1 CM foundation/stem wall	
SPS1230 NORK BI PRELIMINARI SUMMARY PRO Z1SU1030	ES WORKS DGRAMME Zone 1 Stage 1 RSE1 CM foundation/stem wall	328 268	10 28-Dec-19 A	A 10-Dec-21	31-Dec-19	05-Feb-21	Zone 1 Stage 1 RSE1 CM foundation/stem wall	
SPS1230 NORK BI PRELIMINARII	ES WORKS	328	10 28-Dec-19 A 0 28-Jul-20 A 99 20-Feb-20 A	A 10-Dec-21 30-Nov-21 A 01-Apr-22	31-Dec-19 31-Jul-20 20-Mar-20	05-Feb-21 26-Jun-21 07-Sep-21	ZONOVCONCONTONIZ Zone 1 Stage 1 RSE1 CM foundation/stem wall	
SPS1230 VORK B PRELIMINARI SUMMARY PRO Z1SU1030 Z1SU1032 Z1SU1034 Z1SU1040	ES WORKS DGRAMME Zone 1 Stage 1 RSE1 CM loundation/stem wall Zone 1 Stage 1 R1 structure R1-01 to 05 Zone 1 Stage 1 R2 structure Zone 1 Stage 2 RES1 SB loundation/stem wall	328 268 435 215	10 28-Dec-19 A 0 28-Jul-20 A 99 20-Feb-20 A 215 07-Feb-22	A 10-Dec-21 30-Nov-21 A 01-Apr-22 26-Oct-22	31-Dec-19 31-Jul-20 20-Mar-20 07-Feb-22	05-Feb-21 26-Jun-21 07-Sep-21 26-Oct-22	CONVERSION CONCERNMENT OF CONVERSION CONVERS	
SPS1230 WORK BI SUMMARY PR Z1SU1030 Z1SU1032 Z1SU1034 Z1SU1040 Z1SU1042	25 WORKS GRAMME Core 1 Stage 1 RSE1 CM foundation/stem wall Zone 1 Stage 1 R1 structure R1-01 to 05 Zone 1 Stage 1 R2 structure Zone 1 Stage 2 RES1 S8 foundation/stem wall Zone 1 Stage 2 R1 structure R1-06 to 17	328 268 435	10 28-Dec-19 A 0 28-Jul-20 A 99 20-Feb-20 A	A 10-Dec-21 30-Nov-21 A 01-Apr-22 26-Oct-22	31-Dec-19 31-Jul-20 20-Mar-20 07-Feb-22	05-Feb-21 26-Jun-21 07-Sep-21	Concernation of the second sec	
SPS1230 WORK BE PRELIMINARII SUMMARY PRI Z1SU1030 Z1SU1032 Z1SU1034 Z1SU1040 Z1SU1042 NOISE BARRII	ES WORKS DORAMME Zone 1 Stage 1 RISE1 CM foundation/stem wall Zone 1 Stage 1 R1 structure R1-01 to 05 Zone 1 Stage 2 RES1 SB foundation/stem wall Zone 1 Stage 2 RES1 SB foundation/stem wall Zone 1 Stage 2 RI structure R1-06 to 17 ER AND SEMLENCLOSURE	328 268 435 215	10 28-Dec-19 A 0 28-Jul-20 A 99 20-Feb-20 A 215 07-Feb-22	A 10-Dec-21 30-Nov-21 A 01-Apr-22 26-Oct-22	31-Dec-19 31-Jul-20 20-Mar-20 07-Feb-22	05-Feb-21 26-Jun-21 07-Sep-21 26-Oct-22	CONCOMPOSIDE CONCOMPOSIDO CONCO	
SPS1230 VORK BE SUMMARY PR Z1SU1032 Z1SU1032 Z1SU1034 Z1SU1040 Z1SU1042 NOISE BARRI	ES WORKS Cone 1 Stage 1 RSE1 CM foundation/stem wall Zone 1 Stage 1 R1 structure R1-01 to 05 Zone 1 Stage 1 R2 structure R Zone 1 Stage 2 REST SB foundation/stem wall Zone 1 Stage 2 R1 structure R1-06 to 17 ER AND SEME-ROLCOSURE TION WORKS ID	328 268 435 215 158	10 28-Dec-19 A 0 28-Jul-20 A 99 20-Feb-20 A 215 07-Feb-22 158 10-Feb-22	A 10-Dec-21 30-Nov-21 A 01-Apr-22 26-Oct-22 22-Aug-22	31-Dec-19 31-Jul-20 20-Mar-20 07-Feb-22 10-Feb-22	05-Feb-21 26-Jun-21 07-Sep-21 26-Oct-22 22-Aug-22	Zone 1 Stage 1 RSE1 CM foundation/stem wall	
SPS1230 VORK B PRELIMINARI SUMMARY PRI 21SU1030 21SU1032 21SU1034 21SU1040 21SU1042 NOSE BARRI PILE FOUNDA SOUTHBOUN 21_1540	ES WORKS DGRAMME Zone 1 Stage 1 RSE1 CM foundation/stern wall Zone 1 Stage 1 R1 structure R1-01 to 05 Zone 1 Stage 1 R2 structure Zone 1 Stage 2 RES1 SB foundation/stern wall Zone 1 Stage 2 R1 structure R1-06 to 17 EN AND SEMI-ENCLOSURE TION WORKS ID RSE1_mini ples for RSE1-51P to 56P (40nr ver)	328 268 435 215	10 28-Dec-19 A 0 28-Jul-20 A 99 20-Feb-20 A 215 07-Feb-22	A 10-Dec-21 30-Nov-21 A 01-Apr-22 26-Oct-22 22-Aug-22	31-Dec-19 31-Jul-20 20-Mar-20 07-Feb-22 10-Feb-22	05-Feb-21 26-Jun-21 07-Sep-21 26-Oct-22 22-Aug-22	Concernation Stage 1 RSE1 CM foundation/stem wall	
SPS1230           NORK B           PRELIMINARI           SUMMARY PR           Z1SU1030           Z1SU1032           Z1SU1034           Z1SU1042           XISU1040           XISU1042           VOISE BARRI           PILE FOUNDA           SOUTHBOUNDA           Z1_51540           PILE CAP AND	25 WORKS ORAMME Zone 1 Stage 1 RSE1 CM foundation/stern wall Zone 1 Stage 1 RI structure R1-01 to 05 Zone 1 Stage 1 RI structure R1-06 to 05 Zone 1 Stage 2 RES1 S8 foundation/stern wall Zone 1 Stage 2 RES1 S8 foundation/stern wall Zone 1 Stage 2 RI structure R1-06 to 17 ER AND SEMI-ENCLOSURE TON WORKS D RSE1_mini piles for RSE1-51P to 56P (40nr ver) FOOTING	328 268 435 215 158	10 28-Dec-19 A 0 28-Jul-20 A 99 20-Feb-20 A 215 07-Feb-22 158 10-Feb-22	A 10-Dec-21 30-Nov-21 A 01-Apr-22 26-Oct-22 22-Aug-22 * 16-May-22	31-Dec-19 31-Jul-20 20-Mar-20 07-Feb-22 10-Feb-22	05-Feb-21 26-Jun-21 07-Sep-21 26-Oct-22 22-Aug-22 16-May-22		
SPS1230 VORK BE PRELIMINARI SUMMARY PRI- ZISU1030 ZISU1032 ZISU1032 ZISU1032 ZISU1042 NOISE BARRI PILE FOUNDA SOUTHBOUN Z1_1540 PILE CAP AND NORTHBOUN Z1_9900	ES WORKS DGRAMME Zone 1 Stage 1 RSE1 CM foundation/stem wall Zone 1 Stage 1 RI structure R1-01 to 05 Zone 1 Stage 1 RI structure R1-06 to 05 Zone 1 Stage 2 RE St SS foundation/stem wall Zone 1 Stage 2 RE St SS foundation/stem wall Zone 1 Stage 2 RI structure R1-06 to 17 ER AND SEMI-ENCLOSURE TOOL WORKS DI RSE1_min plaes for RSE1-51P to 56P (40mr ver) FOOTING U MTRC consent to resume Zone 1 & 2 works	328 268 435 215 158 80 80	10 28-Dec-19 A 0 28-Jul-20 A 99 20-Feb-20 A 215 07-Feb-22 158 10-Feb-22 80 07-Feb-22*	A 10-Dec-21 30-Nov-21 A 01-Apr-22 26-Oct-22 22-Aug-22 16-May-22 03-Jan-22*	31-Dec-19 31-Jul-20 20-Mar-20 07-Feb-22 10-Feb-22 07-Feb-22	05-Feb-21 26-Jun-21 07-Sep-21 26-Oct-22 22-Aug-22 16-May-22 03-Jan-22	I Zone 1 Stage 1 F1 structure F1-01 to 05	capflocting/stem wall construction R
SPS1230 VORK BL PRELIMINARI SUMMARY PRI Z15U1020 Z15U1020 Z15U1020 Z15U1040 Z15U1040 Z15U1040 Z15U1040 Z15U1040 Z15U1040 PILE CAP AND NORTHBOUR Z1_1500 Z1_0900 Z1_1002	ES WORKS Concent And State 1 ASE1 CM foundation/stem wall Zone 1 Stage 1 AI Structure A1-01 to 05 Zone 1 Stage 1 AI structure A1-01 to 05 Zone 1 Stage 2 RES1 SB foundation/stem wall D RSEL_main pies for RSE1-S1P to 56P (40mr ver) FOOTING MTRC consent to resume Zone 1 & 2 works R1_cap/obing/stem wall construction R1-01 to R1-04 (4mr)	328 268 435 215 158 80 80 0 84	10 28-Dec-19 A 0 28-Jul-20 A 99 20-Feb-20 A 15 07-Feb-22 158 10-Feb-22 80 07-Feb-22 0 0	A 10-Dec-21 30-Nov-21 A 01-Apr-22 26-Oc1-22 22-Aug-22 16-May-22 03-Jan-22* A 10-Feb-22	31-Dec-19 31-Jul-20 20-Mar-20 07-Feb-22 10-Feb-22 07-Feb-22	05-Feb-21 26-Jun-21 07-Sep-21 26-Oct-22 22-Aug-22 16-May-22 03-Jan-22 07-Apr-21	I Zone 1 Stage 1 F1 structure F1-01 to 05	capflocting/stem wall construction R1
SPS1230 VORK BL PRELEMINARI Z1SU1030 Z1SU1032 Z1SU1032 Z1SU1042 NOISE BARRI PLE CPA PMC NORTHBOUN NORTHBOUN Z1_1002 Z1_1002 Z1_1011	IS WORKS DGRAMME Zone 1 Stage 1 RSE1 CM foundation/stern wall Zone 1 Stage 1 R1 structure R1-01 to 05 Zone 1 Stage 2 RE Structure R1-06 to 17 Zone 1 Stage 2 RE St S8 foundation/stern wall Zone 1 Stage 2 RE structure R1-06 to 17 EX AND SEM-EXCLOSURE TON WORKS D RSE1_mini ples for RSE1-51 P to 56P (40nr ver) FOOTING U MTRC consent to resume Zone 1 & 2 works R1_ELS for torologicape construction R1-05 to R1-17 (158m_1 side)	328 268 435 215 158 80 80	10 28-Dec-19 A 0 28-Jul-20 A 99 20-Feb-20 A 215 07-Feb-22 158 10-Feb-22 80 07-Feb-22*	A 10-Dec-21 30-Nov-21 A 01-Apr-22 26-Oct-22 22-Aug-22 16-May-22 03-Jan-22* A 10-Feb-22 01-Apr-22	31-Dec-19 31-Jul-20 20-Mar-20 07-Feb-22 10-Feb-22 07-Feb-22 21-Dec-20 10-Feb-22	05-Feb-21 26-Jun-21 07-Sep-21 26-Oct-22 22-Aug-22 16-May-22 03-Jan-22	I Zone 1 Stage 1 F1 structure F1-01 to 05	capflooting/stern wall construction R
SPS1230 VORK BI PRELIMINATION 21SU1030 21SU1032 21SU1032 21SU1034 21SU1040 21S	ES WORKS DGRAMME Zone 1 Stage 1 RISE1 CM foundation/stern wall Zone 1 Stage 1 RI structure R1-01 to 05 Zone 1 Stage 1 RI structure R1-06 to 05 Zone 1 Stage 2 RISS1 SB foundation/stern wall R1 - gapfording/stern wall construction R1-05 to R1-17 (fism) RRIEB	328 268 435 215 158 80 0 84 43 90	10 28-Dec-19 0 28-Jul-20 A 9 20-Feb-20 A 215 07-Feb-22 158 10-Feb-22 0 07-Feb-22 0 21 27-Nov-20 A 43 10-Feb-22 90 08-Mar-22	A 10-Dec-21 30-Nov-21 A 01-Apr-22 26-Oct-22 22-Aug-22 * 16-May-22 (03-Jan-22* A 10-Feb-22 01-Apr-22 28-Jun-22	31-Dec-19 31-Jul-20 20-Mar-20 07-Feb-22 10-Feb-22 07-Feb-22 21-Dec-20 10-Feb-22 08-Mar-22	05-Feb-21 26-Jun-21 07-Sep-21 26-Oct-22 22-Aug-22 16-May-22 03-Jan-22 07-Apr-21 01-Apr-22 28-Jun-22		capfocting/stern wall construction R
SPS1230 VORK BL PELINIARI SUMARY PR Z1SU1030 Z1SU1042 Z1SU1042 Z1SU1042 NOISE BARTI PILE CAP AND NORTHBOUT Z1_1540 Z1_1540 Z1_1540 Z1_1540 Z1_1540 Z1_1540 Z1_102	ES WORKS DGRAMME Zone 1 Stage 1 RSE1 CM foundation/stern wall Zone 1 Stage 1 R1 structure R1-01 to 05 Zone 1 Stage 1 R1 structure R1-06 to 05 Zone 1 Stage 2 RES1 SB foundation/stern wall RSE1_mini piles for RSE1-S1P to S6P (40m ver) FOOTING MTRC consent to resume Zone 1 & 2 works R1_capitoding/stern wall construction R1-05 to R1-17 (153m_1 side) R1_borg/stern wall construction R1-05 to R1-17 (153m_1 side)	328 268 435 215 158 80 80 0 84 43	10 28-Dec-19 0 28-Jul-20 A 9 20-Feb-20 A 215 07-Feb-22 158 10-Feb-22 0 07-Feb-22 0 21 27-Nov-20 A 43 10-Feb-22 90 08-Mar-22	A 10-Dec-21 30-Nov-21 A 01-Apr-22 26-Oct-22 22-Aug-22 16-May-22 03-Jan-22* A 10-Feb-22 01-Apr-22	31-Dec-19 31-Jul-20 20-Mar-20 07-Feb-22 10-Feb-22 07-Feb-22 21-Dec-20 10-Feb-22 08-Mar-22	05-Feb-21 26-Jun-21 07-Sep-21 26-Oct-22 22-Aug-22 16-May-22 03-Jan-22 07-Apr-21 01-Apr-22 28-Jun-22	I Zone 1 Stage 1 F1 structure F1-01 to 05	
SPS1230 VORK EI PRELIMARI SUMMARY BY 215U1030 215U1030 215U1030 215U1040 215U1040 215U1040 215U1040 215U1040 215U1040 215U1040 215U1040 215U1040 215U1040 21_1010 21_10000 21_1000 21_1000 21_1000 21_1000 21_1000 21	IS WORKS DORAMME Zone 1 Stage 1 RS1 CM foundation/stem wall Zone 1 Stage 1 R1 structure R1-01 to 05 Zone 1 Stage 1 R1 structure R1-06 to 05 Zone 1 Stage 2 RE St S8 foundation/stem wall Zone 1 Stage 2 RE S1 S8 foundation/stem wall Zone 1 Stage 2 R1 structure R1-06 to 17 ER AND SEMF-ENCLOSURE TOON WORKS D MC RSE1_mini piles for RSE1-51P to 56P (40nr ver) FOOTING WTRC consent to resume Zone 1 & 2 works R1_capitoding/stem wal construction R1-05 to R1-17 (153m_1 side) R1_boding/stem wal construction R1-05 to R1-17 (153m_1 side) R5E1_math R5E1_bode/R1 & remove ELS R0_boding R5E1_math R5E1_bode/R1 & remove R5E1_bode/R1	328 268 435 215 158 80 0 84 43 90	10 28-0ec-19 4 28-Jul-20 A 99 20-Feb-20 4 215 07-Feb-22 158 10-Feb-22 80 07-Feb-22 0 21 27-Nev-20 4 43 10-Feb-22 90 08-Mar-22 0 29-Apr-21 4	A 10-Dec-21 30-Nov-21 A 01-Apr-22 26-Oct-22 22-Aug-22 * 16-May-22 (03-Jan-22* A 10-Feb-22 01-Apr-22 28-Jun-22	31-Dec-19 31-Jul-20 20-Mar-20 07-Feb-22 10-Feb-22 07-Feb-22 21-Dec-20 10-Feb-22 08-Mar-22	05-Feb-21 26-Jun-21 07-Sep-21 26-Oct-22 22-Aug-22 26-Oct-22 22-Aug-22 16-May-22 03-Jan-22 07-Apr-21 01-Apr-22 28-Jun-22		
SPS1230 VORK EI RELMINARI SUMMARY BY ZISU1030 ZISU1030 ZISU1040 ZISU1	IS WORKS SORRAME Zone 1 Stage 1 RSE1 CM foundation/stern wall Zone 1 Stage 1 R1 structure R1-01 to 05 Zone 1 Stage 1 R1 structure R1-01 to 05 Zone 1 Stage 2 RES1 SB foundation/stern wall Zone 1 Stage 2 RES1 SB foundation/stern wall Zone 1 Stage 2 R1 structure R1-06 to 17 ENTRO WORKS ID RSE1_mini ples for RSE1-51P to 55P (40nr ver) FOOTING IV MTRC consent to resume Zone 1 & 2 works R1_cap/tooling/stern wall construction R1-05 to R1-17 (153m_1 side) R1_ELS for footing/cap construction R1-05 to R1-17 (153m_1 side) RSE1_backfil & remove ELS	328 268 435 215 158 80 0 84 43 90 14	10 28-Dec-19 A 0 28-Jul-20 A 9 20-Feb-20 A 215 07-Feb-22 158 10-Feb-22 0 21 27-Nev-20 A 43 10-Feb-22 90 08-Mar-22 0 29-Apr-21 A 8 04-Sep-20 A	A 10-Dec-21 30-Nov-21 4 01-Apr-22 26-Oct-22 22-Aug-22 03-Jan-22 A 10-Feb-22 01-Apr-22 8-Jun-22 A 04-Nov-21 A A 15-Jan-22 A 04-Nov-21	31-Dec-19 31-Jul-20 20-Mar-20 07-Feb-22 10-Feb-22 21-Dec-20 10-Feb-22 8 21-Dec-20 10-Feb-22 08-Mar-22 08-Mar-22 08-Mar-22	05-Feb-21 26-Jun-21 07-Sep-21 26-Oct-22 22-Aug-22 16-May-22 03-Jan-22 03-Jan-22 28-Jun-22 16-Aug-21 24-Jun-21 28-Aug-21	I Zone 1 Stage 1 F1 structure F1-01 to 05	
SPS1230 VORK EI PRELMINARI 215U1030 215U1030 215U1030 215U1030 215U1030 215U1030 215U1040 215U1040 215U1040 215U1040 215U1040 215U1040 215000 21_1030 21_1030 21_1070 21_1070 21_1070 21_1092	ES WORKS DGRAMME Zone 1 Stage 1 RES1 CM foundation/stem wal Zone 1 Stage 1 R1 structure R1-01 to 05 Zone 1 Stage 1 R1 structure R1-01 to 05 Zone 1 Stage 1 R2 structure R1-06 to 17 ER AND SEME-ROLCOSURE TON WORKS ID ROET RAND SEME-ROLCOSURE ROUTING ID ROETING ID ROETING ID ROETING ID RES1_Inihi ples for RSE1-S1P to 55P (40nr ver) R0 R1_capfordingstem wal construction R1-05 to R1-17 (fSm_1 side) R1_ELS for footing/stem wal construction R1-05 to R1-17 (fSm_1 side) R1_ELS for footing/stem wal construction R1-05 to R1-17 (fSm_1 side) R1_ELS for footing/stem wal construction R1-05 to R1-17 (fSm_1 side) R1_ELS for footing/stem wal construction R1-05 to R1-17 (fSm_2 side) R1_ELS for footing/stem wal construction R2-01 to R2-05P (68m_2 side) R2_booling/stem wal construction R2-01 to R2-05P (5rr) R2_backIR a remove ELS	328 268 435 215 158 80 0 84 43 90 14	10 28-Dec-19 A 0 28-Juł-20 A 9 20-Feb-20 A 215 07-Feb-22 158 10-Feb-22 80 07-Feb-22 80 07-Feb-22 0 21 27-Nov-20 A 43 10-Feb-22 90 08-Mar-22 0 29-Apr-21 A 8 04-Sep-20.	A 10-Dec-21 30-Nov-21 4 01-Apr-22 26-Oct-22 22-Aug-22 03-Jan-22 A 10-Feb-22 01-Apr-22 8-Jun-22 A 04-Nov-21 A A 15-Jan-22 A 04-Nov-21	31-Dec-19 31-Jul-20 20-Mar-20 07-Feb-22 10-Feb-22 21-Dec-20 10-Feb-22 8 21-Dec-20 10-Feb-22 08-Mar-22 08-Mar-22 08-Mar-22	05-Feb-21 26-Jun-21 07-Sep-21 26-Oct-22 22-Aug-22 16-May-22 03-Jan-22 03-Jan-22 28-Jun-22 16-Aug-21 24-Jun-21 28-Aug-21	I Zone 1 Stage 1 F1 structure F1-01 to 05	
SPS1230 VORK EI PRELMINARI 215U1030 215U1030 215U1030 215U1030 215U1030 215U1030 215U1040 215U1040 215U1040 215U1040 215U1040 215U1040 215000 21_1030 21_1030 21_1070 21_1070 21_1070 21_1092	ES WORKS DGRAMME Zone 1 Stage 1 RSE1 CM foundation/stern wall Zone 1 Stage 1 R1 structure R1-01 to 05 Zone 1 Stage 1 R2 structure R1-01 to 05 Zone 1 Stage 2 RES1 SB foundation/stern wall Zone 1 Stage 2 RES1 SB foundation/stern wall Zone 1 Stage 2 R1 structure R1-06 to 17 EX NO SEME-RECLOSURE TON WORK3 ID RSE1_mini ples for RSE1-51P to 56P (40nr ver) FOOTING IV RFC consent to resume Zone 1 & 2 works R1_cap/tosing/stern wall construction R1-06 to R1-77 (153m_1 side) R1_LSL for footing/cap construction R1-05 to R1-77 (153m_1 side) R1_LDosing/stern wall construction R1-05 to R1-77 (153m_1 side) R1EER RSE1_backfil & remove ELS VD R2_ELS for footing/cap construction R2-01 to R2-05P (68m_2 side) R2_backfil & remove ELS VD R2_backfil & remove ELS VD R2_backfil & remove ELS VD R2_BLS for footing/cap construction R2-01 to R2-05P (68m_2 side) R2_backfil & remove ELS VD R2_backfil & remove ELS VD R2_backfil & remove ELS VD R2_BLS for footing/cap construction R2-01 to R2-05P (68m_2 side) R2_backfil & remove ELS VD R2_BLS VD	328 268 435 215 158 80 0 84 43 90 14	10 28-0ec-19 28-Jul-20 A 99 20-Feb-20 215 07-Feb-22 158 10-Feb-22 0 07-Feb-22 0 07-Feb-22 0 07-Feb-22 0 07-Feb-22 0 08-Mar-22 0 29-Apr-21 A 8 04-Sep-20 42 21-Oct-20 11 15-De-20	A 10-Dec-21 30-Nov-21 4 01-Apr-22 26-Oct-22 22-Aug-22 03-Jan-22 A 10-Feb-22 01-Apr-22 8-Jun-22 A 04-Nov-21 A A 15-Jan-22 A 04-Nov-21	31-Dec-19 31-Jul-20 20-Mar-20 07-Feb-22 10-Feb-22 21-Dec-20 10-Feb-22 8 21-Dec-20 10-Feb-22 08-Mar-22 08-Mar-22 08-Mar-21 08-May-21 23-Apr-21 08-Sep-21	05-Feb-21 26-Jun-21 26-Jun-21 26-Oct-22 22-Aug-22 16-May-22 03-Jan-22 03-Jan-22 03-Jan-22 16-Aug-21 16-Aug-21 16-Aug-21 24-Jun-21 24-Jun-21 24-Jun-21	I Zone 1 Stage 1 F1 structure F1-01 to 05	

Activity Name	Original Remaining 3MRP Start Duration Duration	3MRP Finish	DWP 2111 Start DWP 2111 Finish	2021 Nov	Dec	Jan	Fab	N I
		1		41	4	41		
DWORKS AND REMAINING WORKS								
ADWORKS		and the second sectors in the second seco	and the second second					
I_1240 Drainage construction MR01 to MR04 38m	24 0 18-Oct-21	A 12-Nov-21 A	12-Nov-21 09-Dec-2		Drainage construction MR01 to MR04 38m			
1_1240 Drainage construction MR01 to MR04 38m OTECHNICAL WORKS	24 0 10 001 21							
DRTHBOUND			CICLI ALLOW THE SAME					
1_1320 Zone 1_fill replacement by no-fines concrete 7SW-D/FF156 (open exc	52 52 10-Feb-22	2 13-Apr-22	10-Feb-22 13-Apr-22					and the second second
DUTHBOUND	A REAL PROPERTY OF							-
1_1310 Zone 1_fill replacement by no-fines concrete 7SW-D/F454 (pit by pit) N	16 16 04-Mar-22	2 23-Mar-22	04-Mar-22 23-Mar-22					
		ZONE 2)	A THE REAL PROPERTY OF					
ORK BETWEEN FOOT BRIDGE NF71A AND CIT	TLINE FLAZA	LONE 2)						
ELIMINARIES WORKS								
MMARY PROGRAMME			00 L = 10 10 L = 0		Can	truction Zono 2 Store 1 BSE2 CM foundation/stem w	all	
SU1000 Construction Zone 2_Stage 1 RSE2 CM foundation/stem wall			08-Aug-19 10-Aug-2		Con	truction Zone 2_Stage 1 RSE2 CM foundation/stern wa		
SU1010 Construction Zone 2_Stage 2 RSE2 SB foundation/stem wall	205 205 20-Dec-2	1 30-Aug-22	20-Dec-21 30-Aug-22				<u></u>	
SE BARRIER AND SEMI-ENCLOSURE								÷ .
E FOUNDATION WORKS				······				
UTHBOUND	36 36 20-Dec-2	11 05 Eab 22	20-Doc-21 05-Eeb-2				RSE2_mini piles for RSE2-51P t	o 53P (18nr ver)
2_1030 RSE2_mini piles for RSE2-51P to 53P (18nr ver)	36 36 20-Dec-2	1 03-160-22	20-Dec-21 05-Feb-2		P - installed in the second			
E CAP AND FOOTING		Construction of the owner of the owner	Search and the second					1
UTHBOUND 2_1080 RSE2_ELS for footing/cap construction RSE2-51 to RSE2-65P (174m)	87 87 07-Feb-2	2 24-May-22	07-Feb-22 24-May-2					
UCTURE STEEL FRAME	CONTRACTOR SALES	The sharp of the						
1120 RSE2_erect steel posts PC23 to PC67 (45nr)	12 2 27-Aug-2	1A 28-Dec-21	16-Nov-21 02-Dec-2		RSE	2_erect steel posts PC23 to PC67 (45nr)		
DWORKS AND REMAINING WORKS								
DWORKS AND REMAINING WORKS								
NTRAL BARRIER		ender money	a solution to state			A REPORT OF BRIDE C		
2_1190 Drainage construction MN01 to MN06 246m	77 16 02-Jun-2	1A 17-Dec-21	05-Jul-21 05-Oct-2		Drainage construction MN			1
2_1195 Lane shift at Zone 1 & 2 S/B	0 0	18-Dec-21	01-Dec-2	*	♦ Lane shift at Zone 1 & 2	VВ		
RK BETWEEN CITYLINE PLAZA AND FOOTB			S. Lander Ben How					
LIMINARIES WORKS								
MMARY PROGRAMME			00 Can 10 10 May 2					
SU5000 Zone 3a (TPR area) Stage 1 RW6, RW7 & SR4			02-Sep-19 10-Nov-2					
SU5040 Zone 3b (SB near SR6) Stage 1 Construct Lift Tower 2 & staircase			29-Jun-20 11-May-2	()))))))))))))))))))))))))))))))))))))				
SU5050 Zone 3b (near SR6) Stage 1 SE8 and SR6 foundation and N262 bridge			26-Jan-21 25-Mar-2	000000000000000000000000000000000000000	***************************************			
SU5060 Zone 3b (near SR6) Stage 2 N263 bridge deck construction			09-Jun-21 30-Jan-2				and the second se	
3SU5070 Zone 3b (near SR6) Stage 3 Construct SR5			01-Dec-20 21-Mar-2				<u></u>	
3SU5100 Zone 3c (near SR3) Stage 1 construct RW1, SR3 & subway NS30			01-Dec-20 22-Jun-2					
3SU5110 Zone 3c (near SR3) Stage 1 SR2 foundation & RW4 410 to 414	106 441 07-Sep-2	:0 A 30-May-23	30-Jan-21 15-Jun-2				:	
ISE BARRIER AND SEMI-ENCLOSURE								
LE FOUNDATION WORKS	المرجعا والمتراجع فترع			· · · · · · · · · · · · · · · · · · ·	•••••			
ORTHBOUND		27-Dec-21*	27-Dec-2		* MTBC	consent to resume Zone 3 piling works		
Z3_0900 MTRC consent to resume Zone 3 piling works	0 0				8			
Z3_0910 N4_socket H-piles for N4-10 to N4-11 (12 nr ver)	36 36 19-Feb-2	22 02-Apr-22	19-Feb-22 02-Apr-2					:
OUTHBOUND	66 66 28-Jan-2	22 23-Apr-22	17-Jan-22 08-Apr-2					the local distance in the
Z3_5760 SE5-2_mini piles for S5E2-52P (22nr ver)	00 00 20-341-2	2 23-1401-22	17-0ai-22 00-Apr-2					
OUTHBOUND SLIP ROAD	54 48 29-Oct-2	21 A 28. Jan.22	21-Dec-21 01-Mar-2					SE
Z3_1765 SE8-socket H piles for SR6 1-8 & 2-8 (19nr ver)	34 46 25-001-2	TA LOUBILL	ET DEC ET OT MAR				A	
LE CAP AND FOOTING			Sector Sector Sector					
OUTHBOUND 23_5650 SE2_ELS for cap construction S2E1-52P (10m_2 side)	6 6 30-Dec-	21 07-Jan-22	13-Dec-21 18-Dec-3			SE2_ELS for cap construction S2E1-52	2P (10m_2 side)	<u>i</u>
23_5660 SE2_pile cap construction S2E1-52P (1nr)		22 04-Feb-22	20-Dec-21 15-Jan-2			Annual and provide and a second second second	SE2_pile cap construction S2E1-	
23_5660 SE2_pile cap construction S2E1-52P (11ir) 23_5670 SE2_backfill & remove ELS		22 07-Feb-22		1 L 1			SE2_backfil & remove ELS	
		A DESCRIPTION OF TAXABLE						
OUTHBOUND SLIP ROAD Z3_1770 SE8-1_ELS for footing/cap construction SR6 1-B to SR6 2-B (24m_2 s	14 14 28-Jan-2	22 17-Feb-22	17-Jan-22 05-Feb-				SE8-1_	ELS for footing/cap
z3_1790 SE8-1_cap/stem wall construction SR6 1-B to SR6 2-B (2nr)		22 07-Apr-22	11-Feb-22 25-Mar-					
Z3_1810 SE8-2_ELS for footing construction SR6 3-B to SR6 5-B (30m_2 side)						1. CONTRACTOR		
			The strength of the strength o					
ADWORKS AND REMAINING WORKS								
DADWORKS IORTHBOUND		A TANK A SAL	A SHEW YEAR INCOME.					
Z3_2740 Drainage construction MN26 to MN29 145m	45 45 25-Feb-	22 23-Apr-22	01-Mar-22 26-Apr-2					
SOUTHBOUND SLIP ROAD	ACTIVATION OF THE OWNER	Contraction of	Constant of the second					
Z3_3160 Drainage construction MP01 to MP02 100m	51 51 28-Dec-	21 02-Mar-22	16-Dec-21 21-Feb-					and the second
IDGE AND STRUCTURE WORKS	Contraction of the second							
RELIMINARIES WORKS								
TILITIES DIVERSION	ALL DE REAL PROPERTY		State of the second second	J				
SOUTHBOUND	A STATE OF STATE	A. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	and the second				÷	
Z3_3080 UU_CLP-abandoned 11kv cable for SR6 CH1850-1950 100m			31-Jan-22 25-Feb-					-
Z3_3090 UU_HGC-slew cable for SR6 CH1800-1870 70m		-22 09-Mar-22				1		
Z3_3100 UU_HKBN-slew cable for N262 CH1800-1810 10m		-21 30-Nov-21			BN-slew cable for N262 CH1800-1810 10m	wels track and BW1 Stags 1		_
Z3_5680 UU_Construct combine UU trough between cycle track and RW1 Stag		-20 A 08-Dec-21			UU_Construct combine UU trough between	bobuoon DW1 to SD3 Store 2		
Z3_5685 UU_Construct combine UU trough between RW1 to SR3 Stage 2	60 12 08-Jun-	-20 A 13-Dec-21	02-Jun-21 13-Aug-		UU_Construct combine UU troug	n between HW1 to SH3 Stage 2		1
IDENING FOR NORTH HOLLOW ABUTMENT (N264)		and the lower set					=	
	18 18 19-Feb-	-22 12-Mar-22	19-Feb-22 12-Mar-				i	
								Approved
Z3_4210 C01_cloumn construction						Date Date	Revision Checked	Approved
3_4210 C01_cloumn construction	Milesto	ne	ROAD	IDENING & RETROFITTING NOISE B				Approved
2.4210 C01_cloumn construction C01_cloumn construction C01_cloumn construction Remaining Level of Effort Remaining Work			ROAD		BARRIERS ON TAI PO ROAD ( Programme (30/11/21)		3MRP DWP 2111 Tim	
		one ne Milestone	ROAD	3 Months Rolling F				

	Activity Name	Original Re Duration D	Duration	3MRP Finish	DWP 2111 Start	DWP 2111 Finish	Nov	Dec	Jan	Feb	Mar
3_4240	N264_temporary protection MTRC cable	18	18 19-Feb-22	12-Mar-22	19-Feb-22	12-Mar-22	41	8	4	4	45
DIFICATION	DF BRIDGE N263										
	TION ABUTMENT WALL AT NHA	Carries and	S GUILES STORY		Contraction of the				-		
Z3_4190	NAW-2_construct new abutment wall	60	6 25-May-21 A		31-Aug-21		NAW-2_	construct new abutment wall			
	NAW-1_construct new abutment wall & remaining part between NAW1	75	68 07-Oct-21 A	23-Feb-22	12-Nov-21	14-Feb-22					NAW-1_construct new a
Z3_3950	EXISTING SOUTH HOLLOW ABUTMENT WALL SHA_piling works for pier SHA 6 nos. Socket H-pile	24	24 17-Jan-22*	17-Feb-22	17-Jan-22	17-Feb-22				SHA nin	g works for pier SHA 6 nos
Z3_3960	SHA_ELS & pile cap construction	35	35 17-Feb-22	30-Mar-22	17-Feb-22	30-Mar-22				o April	g works lot pier or into the
Z3_4035	SHW_construct temporary deck, temp. staircase & remove existing pa	50	30 18-Oct-21 A	06-Jan-22	12-Nov-21	12-Jan-22			SHW_construct temporary deck, ter	np. staircase & remove existing parapet	
Z3_4039	SHW_TTA divert existing staircase user to temporary staircase	0	0 07-Jan-22		31-Dec-21			•	SHW_TTA divert existing staircase user to terri		1
Z3_4040	SHW_demolish of existing staircase & curved side wall	16	18 07-Jan-22		31-Dec-21					demolish of existing staircase & curved side	wall
Z3_4060	SHW_footing construction	18	18 28-Jan-22	21-Feb-22	22-Jan-22	15-Feb-22				S	HW_footing construction
Z3_4070	SHW_abutment wall & slab construction	24	24 22-Feb-22	21-Mar-22	16-Feb-22	15-Mar-22					
Z3_3882	UCTION OF BRIDGE N263	35	10 27-Sep-21 A	21 Dog 21	1E Nov 21	08-Feb-22					
Z3_3885	N263_erect temporary working platform for deck construction (above + N263_erect temporary working platform for deck construction (widen /	40	40 07-Dec-21	25-Jan-22		28-Jan-22			Nac	N263_erect temporary working platform for dock	
Z3_3886	N263_erect temporary working platform for deck construction (widen / N263_erect temporary working platform for deck construction (betwee	35	35 23-Feb-22	06-Apr-22		08-Apr-22			1120	3_erect temporary working platform for deck	construction (wden Area
Z3_3980	Construct the widen deck area PB-128a/b to 132a/b (Stage 1)	60	60 26-Jan-22	09-Apr-22		13-Apr-22	£				
MODIFICATION	OF BRIDGE N262								-		:
Z3_3520	C02_ELS & pile cap construction	21	21 25-Feb-22	22-Mar-22	14-Feb-22	10-Mar-22		7		-	
Z3_3550	C03_ELS & pile cap construction	21	21 28-Jan-22	25-Feb-22		14-Feb-22					C03: ELS & pile cap
Z3_3560	C03_column construction	21	21 25-Feb-22	22-Mar-22	14-Feb-22	10-Mar-22					
NEW SLIP ROAD			00 00 C 04 A	00 1 00	40 May 04	47 Dec 04					
Z3_5350	SR2-1_ELS & pile cap construction	30	26 28-Sep-21 A	ua-Jan-22	12-Nov-21	17-Dec-21		SR2-1_	ELS & pile cap construction		
Z3_3610	L1-PC1_ELS & footing construction	60	60 03-Jan-22*	17-Mar-22	03-Jan-22	17-Mar-22					
and the second se	STAIRCASE										
Z3_3690	Lift Tower 2_erect steel structure	28	28 30-Dec-21*	05-Feb-22	13-Dec-21	17-Jan-22				Lift Tower 2_erect steel structure	
Z3_3700	Lift Tower 2_external finishing	45	45 05-Feb-22	30-Mar-22	18-Jan-22	14-Mar-22					
Z3_3710	Lift Tower 2_lift installation	75	75 05-Feb-22	10-May-22	18-Jan-22	22-Apr-22					
Z3_3802	Lift Tower 2_Pier 2 column construction	21	21 07-Feb-22	03-Mar-22	19-Jan-22						Lift Town
Z3_3804	Lift Tower 2_Pier 1 column construction	21	21 07-Feb-22	03-Mar-22	19-Jan-22	15-Feb-22					Lift Town
Z3_3820	Staircase_staircase construction between Pier 3 and Pier 2	30	30 03-Mar-22	08-Apr-22	16-Feb-22						
Z3_3830	Staircase_bridge deck construction between Pier 2 and Pier 1	30	30 03-Mar-22	08-Apr-22	16-Feb-22	22-Mar-22					
Z3_5490	SR5-3_piling works 21nr mini pile .	84	28 25-Aug-21 A	04-Jan-22	31-Aug-21	09-Dec-21		S85-	3_piling works 21nr mini pile		
Z3_5500	SR5-3_ELS & pile cap construction	45	45 04-Jan-22	01-Mar-22	19-Jan-22						
Z3 5540	SR5-2_ELS & pile cap construction	45	45 01-Mar-22	27-Apr-22	16-Mar-22	13-May-22					1
RETAINING WAL	L & SUBWAY		Contraction of the state								
RETAINING WA		det e solt		sp) reaction	(HUGUNERA)	> Charles (	and the second se				1
Z3_4560	RW1_ELS works for Bay 101 to Bay 104 (56m_2 side)	31	6 22-May-21 A			04-Aug-21	RW1_E	LS works for Bay 101 to Bay 104 (56m_2 side)			1
Z3_4570	RW1_base slab construction for Bay 101 to Bay 104	32 56	8 25-May-21 A		10-Jul-21 26-Jul-21	16-Aug-21 29-Sep-21		RW1_base slab construction for Bay 101 to		104	·····
Z3_4580	RW1_retaining wall construction for Bay 101 to Bay 104	10	14 04-Jun-21 A 10 18-Feb-22	02-Mar-22		21-Feb-22		RW	1_retaining wall construction for Bay 101 to Ba	y 104	RW1_rem
Z3_4590 Z3_4600	RW1_remove ELS & backfill for Bay 101 to Bay 104 RW1_demolish existing retaining structure between Bay 105 and Bay 1	45	14 02-Jul-21 A		31-Jul-21	22-Sep-21		RW1_demolish existing retaining structure be	atween Bay 105 and Bay 107		- AWI_ICAN
Z3_4610	RW1_ELS works for Bay 105 to Bay 107 (29m_2 side)	16	6 26-Feb-21 A		05-Oc1-21			RW1_ELS works for Bay 1			
Z3_4620	RW1_base slab construction for Bay 105 to Bay 107	21	14 14-Aug-21 A		19-Oct-21	12-Nov-21			RW1_base slab construction for E	ay 105 to Bay 107	
Z3_4630	RW1_retaining wall construction for Bay 105 to Bay 107	42	38 10-Nov-21 A	02-Mar-22	17-Jan-22	10-Mar-22					
RETAINING WA											
	RW6_retaining wall construction for Bay 601 to Bay 606	72	0 11-Mar-21 A				RW6_retaining wall construction for Bay 601 to Bay	606			
	RW6_base slab construction for Bay 613 & Bay 614	20	20 23-Feb-22	18-Mar-22	26-Feb-22	21-Mar-22					
RETAINING WA		30	30 09-Feb-22	16-Mar-22	09-Feb-22	16-Mar-22	······				
	RW7_ELS works for Bay 706 to Bay 711 (54m_2 side) RW7_base slab construction for Bay 706 to Bay 711	42	42 26-Feb-22	21-Apr-22		21-Apr-22					
	RW7_base slab construction for Bay 706 to Bay 704	60	60 31-May-21 A		31-May-21						RW7_base islab construction
	RW7_retaining wall construction for Bay 701 to Bay 704	60		28-Mar-22		31-Mar-22					
	ING RETAINING WALL SR3					NUT THE					
Z3_4920	SR3_ELS works for Bay SR301 to Bay SR306 (67m_1 side)	19	6 31-Aug-21 A		31-Aug-21		SR3_E	LS works for Bay SR301 to Bay SR306 (67m_1 side)			
Z3_4940	SR3_base slab construction for Bay SR301 to Bay SR306	42	14 07-Sep-21 A		19-Nov-21				SR3_base slab construction for Bay S	R301 to Bay SR306	
Z3_4950	SR3_retaining wall construction for Bay SR301 to SR306	84	42 06-Nov-21 A		17-Dec-21			the second s	And the second		
Z3_4960	SR3_remove ELS & backfill for Bay SR301 to SR304	9	9 10-Feb-22	19-Feb-22	19-Feb-22				0710 5B210		SR3_rem
Z3_5050	SR3_retaining wall construction for Bay SR307 to SR310	56	14 17-May-21 A		11-Aug-21 09-Dec-21			SR3_retaining wall construction for Bay SR3			······
Z3_5060 MODIFY EXIST	SR3_remove ELS & backfill for Bay SR307 to SR310 ING RETAINING WALL SR4	5	5 16-Dec-21	21-Dec-21	03-Dec-21	13-Dec-21		SR3_remove ELS & backfill for E			
Z3_5085	MTRC consent to resume SR4 works	0	0	03-Jan-22*	and the state of the	03-Jan-22		2 MTRC	consent to resume SR4 works		
Z3_5090	SR4_retaining wall construction for Bay SR401 to SR405	70	19 31-Oct-20 A		31-Oct-20			3		ing wall construction for Bay SR401 to SR4	05
Z3_5100	SR4_remove ELS & backfill for Bay SR401 to SR405	10	10 25-Jan-22	09-Feb-22	25-Jan-22					SR4_remove ELS & bac	kfill for Bay SR401 to SR40
Z3_5130	SR4_retaining wall construction for Bay SR406 to SR409	56	28 01-Feb-21 A	08-Feb-22	02-Jun-21	09-Aug-21				SR4_retaining wall constru	
Z3_5140	SR4_remove ELS & backfill for Bay SR406 to SR409	10	10 08-Feb-22	19-Feb-22	08-Feb-22	19-Feb-22				SR4	remove ELS & backfill for
	ING SUBWAY NS30		10.05.5	17.5		10.4			1520		
Z3_4542	Demolish existing subway & construct NS30	160	16 02-Dec-20 A	17-Dec-21	01-Feb-21	19-Aug-21		Demolish existing subway & construct N	1530		
VORK BE	TWEEN FOOTBRIDGE NF40 AND NF66	(ZONI	E 4)								
PRELIMINARIE	SWORKS										I
									Date	Revision Checked	Approved
	LI I I I I I I I I I I I I I I I I I I	٥.	A 111-1-1-			OAD W	CHING & DETROCITTING NOICE DADDIE	RS ON TAI PO ROAD (SHA TIN	SECTION) Date	nevision Checked	Approved
Rema	aining Level of Effort Remaining Work	<b>v</b>	Milestone			IOAD WI	ENING & RETROFITTING NOISE BARRIE		OLONION Des Ct Intin	B DWB 0111 Tim	
	I Level of Effort Critical Remaining Work		<ul> <li>Milestone</li> <li>Baseline M</li> </ul>	lilestone			3 Months Rolling Program	NUCLUA STATES BLOWN OF BLACK TODALASTATIS (MODELS)	08-Dec-21 3MR	P DWP 2111 Tim	

UMMARY PROG	Activity Name	Original R	emaining   3MRP Start	3MRP Finish	DWP 2111 Start	DWP 2111	221		2022
UMMARY PROG		Original Re Duration	Duration			Finish	Nov Dec 41 42	Jan 43	Fab
	RAMME								
Z4SU1005	Zone 4 Stage 1 NB & SB foundation/stern wall	434	247 06-Mar-20 A	29-Sep-22	31-Mar-20	16-Sep-21	:		
Z4SU1100	Zone 4 NF66 Construction	220	185 20-Jul-20 A	18-Jul-22	31-Aug-20	31-May-21			
Z4SU1110	Zone 4 NF40 Construction	387	104 12-Oct-19 A	07-Apr-22	06-Jan-20	28-Apr-21	-		
TILITIES DIVER	SION	Construction of the local division of the lo				And the second second			
OUTHBOUND		COLOR OLD	Sector States and	A REAL PROPERTY.	North Martin	The second			
	UU_Salt watermain for SE6 CH2275-2345 56m 700mm	20	20 25-Feb-22	21-Mar-22	08-Feb-22	03-Mar-22			
	AND SEMI-ENCLOSURE					The State of the			
LE FOUNDATIO									
ORTHBOUND									
	MTRC consent to resume Zone 4 piling works	0	0	03-Jan-22*	T	03-Jan-22		8 MTRC consent to resume Zone 4 piling w	arks
		111	111 03-Jan-22		03-Jan-22				
SOUTHBOUND	N4_socket H-piles for N4-12P to N4-27P (110 nr ver)	CALL PROPERTY.	III GO GUITEE	LT may LL	OU DUIT LL	L' muy LL			
	SE6_mini piles for S6E1-58 to S6E1-69 (70nr ver)	140	10 OF 1- 00 A	14 Dec 01	00 Can 00	10 14- 01		54 FOX 04 F4 C0 (70)	
		140	12 05-Jun-20 A	14-Dec-21	28-Sep-20	19-Mar-21	SE6_mini piles for S6	E1-58 to S6E1-69 (70nr ver)	
ILE CAP AND FO						Constant of the local division of			
SOUTHBOUND			10 10 10-01 4	10 Dec 04	00 1 01	00 4		1	5.
	SE6_ELS for footing/cap construction S6E1-51P to S6E1-57P (86m_2	48	16 12-Mar-21 A			06-Aug-21	SEB_ELS for I	footing/cap construction S6E1-51P to S6E1-57P (86m_2 sid	
	SE6_footing/cap/stem wall construction S6E1-51P to S6E1-57P (6nr)	36	15 13-May-21 A			31-Aug-21			truction S6E1-51P to S6E1-57P (6nr)
	SE6_ELS for cap construction S6E1-58P to S6E1-69P (145m_2 side)	40	23 26-Apr-21 A	18-Jan-22	20-Jul-21	04-Sep-21		SE6_ELS fo	or cap construction S6E1-58P to S6E1-69P (145m_2 side)
Z4_1140	SE6_footing/cap/stern wall construction S6E1-58P to S6E1-69P (12nr)	72	45 18-Jun-21 A	05-Mar-22	06-Nov-21	05-Feb-22			
	SE6_backfill & remove ELS	39	39 11-Feb-22	29-Mar-22	04-Feb-22	22-Mar-22			
	ND REMAINING WORKS		A CONTRACTOR OF THE OWNER			11 11			
DADWORKS									
OUTHBOUND		COLUMN PARTY	A Warmer of Street	Contraction of the local	1983-97				
	Drainage construction MS83 to MS87 279m	88	88 09-Dec-21	29-Mar-22	02-Dec-21	22-Mar-22			
	RUCTURE WORKS	1	CONTRACTOR OF THE	Manager and the		-			
	VORKS FOR NF40								
		21	0 29-Sep-21 A	08-Nov-21 A	07-Dec-21	03-Jan-22		Fabrication of temporary steel tower	
	Fabrication of temporary steel tower	14	1 09-Nov-21 A						teel tower
	Installation of temporary steel tower					a second texterior		Installation of temporary insking system	
	Installation temporary jacking system	5				03-Jan-22		Installation temporary jacking system	encountered annual
	Load transfer existing bridge to temporary steel tower	3	3 04-Jan-22			06-Jan-22		Load transfer existing bridge to term	
NF40_1085	Remove existing column	21	21 07-Jan-22			31-Jan-22			Remove existing column
F40_1086	Remove existing bearing	6	6 04-Feb-22	10-Feb-22	04-Feb-22	10-Feb-22			Remove existing bearing
F40_1087	Constrduct remaining column	35	35 11-Feb-22	23-Mar-22	11-Feb-22	23-Mar-22			
DIFICATION	WORKS FOR NF66				1				
F66_1019	MTRC consent to erect NF66 steel tower	0	0	03-Jan-22*		03-Jan-22		8 MTRC consent to erect NF66 steel tower	r
	Fabrication of temporary steel tower	21	21 06-Dec-21	03-Jan-22	06-Dec-21	03-Jan-22		Fabrication of temporary steel tower	
	Installation of temporary steel tower	14	14 03-Jan-22	19-Jan-22	03-Jan-22	19-Jan-22			n of temporary steel tower
		_	and the second second second		STREET, STREET	States in the local division of the			
ORK BE	TWEEN FOOTBRIDGE NF66 AND FO T	AN RO	DAD (ZONE	5)		Sector Sector			
RELIMINARIES	WORKS								
UMMARYPROG	RAMME								
Z5SU1005	Zone 5 Stage 1 NB & SB foundation/stern wall	467	250 10-Feb-20 A	06-Oct-22	31-Mar-20	28-Oct-21			
TILITIES DIVER	ISION				A DATE OF THE OWNER.				
NORTHBOUND		and the state of the state	Contraction of the second	all States	To an and the second	and the second			
	UU_HGC-slew cable for N4 CH2575-2650 75m	9	5 01-Feb-21 A	16-Nov-24	30-Jun-21	10-Jul-21			
	AND SEMI-ENCLOSURE								
LE FOUNDATIO									
ORTHBOUND			Contraction of the later	COLUMN COLUMN					
	MTRC consent to resume Zone 5 works	0	0	03-Jan-22*	1	03-Jan-22		8 MTRC consent to resume Zone 5 works	
OUTHBOUND		and the second second	NAMES OF TAXABLE		NOT REAL PROPERTY	STREET, STREET		*	
	SE3-1_mini piles for S3E1-51P to S3E1-74P (126nr ver)	126	69 24-Jul-21 A	25-Feb-22	31-Aug-21	31-Jan-22			SE3:1_m
				And the second second		and some stars			
which is a surplus to the surplus to the									0031_11
OUTHBOUND		52	28 29-14-21 A	30-Mar-22	31-Jul-21	30-Sep-21			
OUTHBOUND Z5_1300	R4_mini piles for R4-10P (7nr raking, 6nr ver)	52	28 29-Jul-21 A	30-Mar-22	31-Jul-21	30-Sep-21			
OUTHBOUND 25_1300 LE CAP AND FO	R4_mini piles for R4-10P (7nr raking, 6nr ver) OOTING	52	28 29-Jul-21 A	30-Mar-22	31-Jul-21	30-Sep-21			
OUTHBOUND 25_1300 LE CAP AND FO	R4_mini piles for R4-10P (7nr raking, 6nr ver) OOTING								
COUTHBOUND 25_1300 E CAP AND FO ORTHBOUND 25_1020	R4_mini piles for R4-10P (7nr raking, 6nr ver) OOTING N_ELS for footing/cap construction N4-29P to N4-53 (322m_2 side)	89	78 01-Feb-21 A	A 22-Apr-22	11-May-21	25-Aug-21			
CUTHBOUND 25_1300 E CAP AND F6 ORTHBOUND 25_1020 25_1020	R4_mini piles for R4-10P (7nr raking, 6nr ver) OOTING VA_ELS for footing/cap construction N4-29P to N4-53 (322m_2 side) N4_cap/footing/stem wall construction N4-29 to N4-53 (25nr)	89 162	78 01-Feb-21 A 149 27-Mar-21 A	A 22-Apr-22 A 29-Jul-22	11-May-21 25-May-21	25-Aug-21 04-Dec-21			
COUTHBOUND 25_1300 LE CAP AND FO ORTHBOUND 25_1020 25_1030 25_1050	R4_mini piles for R4-10P (7nr raking, 6nr ver) OCTING N4_ELS for footing/cap construction N4-29P to N4-53 (322m_2 side) N4_cap/footing/stem wall construction N4-29 to N4-53 (25nr) N4_backfill a remove ELS	89	78 01-Feb-21 A	A 22-Apr-22 A 29-Jul-22	11-May-21	25-Aug-21 04-Dec-21			
Z5_1050	R4_mini piles for R4-10P (7nr raking, 6nr ver) OOTING N4_ELS for footing/cap construction N4-29P to N4-53 (322m_2 side) N4_cap/footing/stem wall construction N4-29 to N4-53 (25nr) N4_back/fil & remove ELS	89 162 54	78 01-Feb-21 A 149 27-Mar-21 A 53 14-Apr-21 A	A 22-Apr-22 A 29-Jul-22 A 30-Aug-22	11-May-21 25-May-21 24-May-22	25-Aug-21 04-Dec-21 27-Jul-22			
OUTHBOUND 25_1300 LE CAP AND F4 IORTHBOUND 25_1020 25_1030 25_1050 IOUTHBOUND 25_1190	R4_mini piles for R4-10P (7nr raking, 6nr ver) OOTING N4_ELS for footing/cap construction N4-29P to N4-53 (322m_2 side) N4_cap/footing/stem wall construction N4-29 to N4-53 (25nr) N4_backfil & remove ELS SE3-1_ELS for footing/cap construction S3E1-51P to S3E1-74P (313m	89 162 54 r 58	78 01-Feb-21 A 149 27-Mar-21 A 53 14-Apr-21 A 58 25-Feb-22	A 22-Apr-22 A 29-Jul-22 A 30-Aug-22 10-May-22	11-May-21 25-May-21 24-May-22 08-Feb-22	25-Aug-21 04-Dec-21 27-Jul-22 21-Apr-22			
OUTHBOUND Z5_1300 LE CAP AND FI IORTHBOUND Z5_1020 Z5_1030 Z5_1050 IOUTHBOUND Z5_1190 Z5_1230	R4_mini piles for R4-10P (7nr raking, 6nr ver)         OCTING         N4_ELS for footing/cap construction N4-29P to N4-53 (322m_2 side)         N4_cap/footing/stem wall construction N4-29 to N4-53 (25nr)         N4_backfill a remove ELS         SE3-1_ELS for footing/cap construction S3E1-51P to S3E1-74P (313m 2size)         SE3-2_ELS for footing construction S3E2-51 to S3E2-61P (131m_2 size)	89 162 54 r 58 c 73	78 01-Feb-21 A 149 27-Mar-21 A 53 14-Apr-21 A 58 25-Feb-22 41 20-Mar-21 A	A 22-Apr-22 A 29-Jul-22 A 30-Aug-22 10-May-22 A 19-Jan-22	11-May-21 25-May-21 24-May-22 08-Feb-22 31-Mar-21	25-Aug-21 04-Dec-21 27-Jul-22 21-Apr-22 02-Jul-21		SE3-2_E	LS for footing construction S3E2-51 to S3E2-61P (131m_2 side)
COUTHBOUND 25_1300 LE CAP AND F4 IORTHBOUND 25_1020 25_1020 25_1030 25_1050 SOUTHBOUND 25_1190 25_1230 25_1245	P4_mini piles for P4-10P (7nr raking, 6nr ver)         OCTING         N4_ELS for footing/cap construction N4-29 to N4-53 (322m_2 side)         N4_cap/footing/stem wall construction N4-29 to N4-53 (25nr)         N4_backfill & remove ELS         SE3-1_ELS for footing/cap construction S3E1-51P to S3E1-74P (313nr 25-32)         SE3-2_ELS for footing/cap construction S3E2-51 to S3E2-61P (131m_2 six         SE3-2_ELS for footing/cap/stem wall construction S3E2-51 to 61P (9nr)	89 162 54 r 58	78 01-Feb-21 A 149 27-Mar-21 A 53 14-Apr-21 A 58 25-Feb-22	A 22-Apr-22 A 29-Jul-22 A 30-Aug-22 10-May-22 A 19-Jan-22	11-May-21 25-May-21 24-May-22 08-Feb-22	25-Aug-21 04-Dec-21 27-Jul-22 21-Apr-22 02-Jul-21		SE32_E	
OUTHBOUND Z5_1300 LE CAP AND FI IORTHBOUND Z5_1020 Z5_1030 Z5_1050 IOUTHBOUND Z5_1190 Z5_1230	R4_mini ples for R4-10P (7nr raking, 6nr ver)         DOTING         N4_ELS for footing/cap construction N4-29 to N4-53 (322m_2 side)         N4_cap/coding/stem wall construction N4-29 to N4-53 (322m_2 side)         N4_cap/coding/stem wall construction N4-29 to N4-53 (322m_2 side)         SE3-1_ELS for footing/cap construction S3E1-51P to S3E1-74P (313nr SE3-2_ELS for footing construction S3E2-51 to S3E2-61P (131m_2 side)         SE3-2_ELS for footing construction S3E2-51 to S3E2-61P (131m_2 side)         SE3-2_cloating/cap/stem wall construction S3E2-51 to 61P (9rr)         SLIP ROAD	89 162 54 r 58 r 73 105	78 01-Feb-21 A 149 27-Mar-21 A 53 14-Apr-21 A 58 25-Feb-22 41 20-Mar-21 A 82 13-May-21 A	A 22-Apr-22 A 29-Jul-22 30-Aug-22 10-May-22 A 19-Jan-22 A 11-Mar-22	11-May-21 25-May-21 24-May-22 08-Feb-22 31-Mar-21 31-May-21	25-Aug-21 04-Dec-21 27-Jul-22 21-Apr-22 02-Jul-21 04-Oct-21			
CUTHBOUND Z5_1300 LE CAP AND F1 IORTHBOUND Z5_1020 Z5_1020 Z5_1030 C5_1050 C0UTHBOUND Z5_1190 Z5_1230 Z5_1245	P4_mini piles for P4-10P (7nr raking, 6nr ver)         OCTING         N4_ELS for footing/cap construction N4-29 to N4-53 (322m_2 side)         N4_cap/footing/stem wall construction N4-29 to N4-53 (25nr)         N4_backfill & remove ELS         SE3-1_ELS for footing/cap construction S3E1-51P to S3E1-74P (313nr 25-32)         SE3-2_ELS for footing/cap construction S3E2-51 to S3E2-61P (131m_2 six         SE3-2_ELS for footing/cap/stem wall construction S3E2-51 to 61P (9nr)	89 162 54 r 58 r 73 105 17	78 01-Feb-21 A 149 27-Mar-21 A 53 14-Apr-21 A 58 25-Feb-22 41 20-Mar-21 A 82 13-May-21 A 9 01-Oct-20 A	A 22-Apr-22 A 29-Jul-22 A 30-Aug-22 10-May-22 A 19-Jan-22 A 19-Jan-22 A 19-Dac-21	11-May-21 25-May-21 24-May-22 08-Feb-22 31-Mar-21 31-May-21 26-Feb-21	25-Aug-21 04-Dec-21 27-Jul-22 21-Apr-22 02-Jul-21 04-Oct-21 17-Mar-21	N3_ELS for footing construction	on N3-01 to N3-02 (30m_2 side)	LS for footing construction S3E2-51 to S3E2-61P (131m_2 side)
CUTHBOUND 25_1300 E CAP AND F ORTHBOUND F 25_1020 25_1030 25_1050 OUTHBOUND 25_1230 25_1245 OUTHBOUND 25_1260	R4_mini ples for R4-10P (7nr raking, 6nr ver)         DOTING         N4_ELS for footing/cap construction N4-29 to N4-53 (322m_2 side)         N4_cap/coding/stem wall construction N4-29 to N4-53 (322m_2 side)         N4_cap/coding/stem wall construction N4-29 to N4-53 (322m_2 side)         SE3-1_ELS for footing/cap construction S3E1-51P to S3E1-74P (313nr SE3-2_ELS for footing construction S3E2-51 to S3E2-61P (131m_2 side)         SE3-2_ELS for footing construction S3E2-51 to S3E2-61P (131m_2 side)         SE3-2_cloating/cap/stem wall construction S3E2-51 to 61P (9rr)         SLIP ROAD	89 162 54 r 58 r 73 105	78 01-Feb-21 A 149 27-Mar-21 A 53 14-Apr-21 A 58 25-Feb-22 41 20-Mar-21 A 82 13-May-21 A	A 22-Apr-22 A 29-Jul-22 A 30-Aug-22 10-May-22 A 19-Jan-22 A 19-Jan-22 A 19-Dac-21	11-May-21 25-May-21 24-May-22 08-Feb-22 31-Mar-21 31-May-21 26-Feb-21	25-Aug-21 04-Dec-21 27-Jul-22 21-Apr-22 02-Jul-21 04-Oct-21	N3_ELS for footing construction	on N3-01 to N3-02 (30m_2 side) N3_footing construction N3-01 to N	LS for footing construction S3E2-51 to S3E2-61P (131m_2 side)
CUTHBOUND 25_1300 E CAP AND F ORTHBOUND 25_1020 25_1030 25_1050 OUTHBOUND 25_1190 25_1230 25_1245 OUTHBOUND 25_1260 25_1270	R4_mini piles for R4-10P (7nr raking, 6nr ver)         OCTING         N4_ELS for footing/cap construction N4-29P to N4-53 (322m_2 side)         N4_cap/footing/stem wall construction N4-29 to N4-53 (322m_2 side)         N4_backfill a remove ELS         SES-1_ELS for footing/cap construction S3E1-51P to S3E1-74P (313m SE3-2_ELS for footing construction S3E2-51 to S3E2-61P (131m_2 six SE3-2_Looting/cap/stem wall construction S3E2-51 to 61P (9nr)         SLIP ROAD         N3_ELS for footing construction N3-01 to N3-02 (30m_2 side)	89 162 54 r 58 r 73 105 17	78 01-Feb-21 A 149 27-Mar-21 A 53 14-Apr-21 A 58 25-Feb-22 41 20-Mar-21 A 82 13-May-21 A 9 01-Oct-20 A	A 22-Apr-22 29-Jul-22 30-Aug-22 10-May-22 4 19-Jan-22 A 11-Mar-22 A 09-Dec-21 A 06-Jan-22	11-May-21 25-May-21 24-May-22 08-Feb-22 31-May-21 31-May-21 26-Feb-21 08-Apr-21	25-Aug-21 04-Dec-21 27-Jul-22 21-Apr-22 02-Jul-21 04-Oct-21 17-Mar-21	N3_ELS for footing construction	on N3-01 to N3-02 (30m_2 side) N3_footing construction N3-01 to N N3_backfill & remove ELS	LS for footing construction S3E2-51 to S3E2-61P (131m_2 side)
CUTHBOUND 5-1300 E CAP AND FR 05-1020 5-1020 5-1030 5-1030 C5-1050 DUTHBOUND 5-1230 5-1245 DUTHBOUND 5-1260 55-1280	PA_mini piles for PA-10P (7nr raking, 6nr ver)         OCTING         N4_ELS for footing/cap construction N4-29P to N4-53 (322m_2 side)         N4_cap/tooling/stem wall construction N4-29 to N4-53 (25rr)         N4_backfil & remove ELS         SE3-1_ELS for footing/cap construction S3E1-51P to S3E1-74P (313m SE3-2_ELS for footing construction S3E2-51 to S3E2-61P (131m_2 side)         SE3-2_ELS for footing construction S3E2-51 to 61P (9rr)         SILP ROAD         N3_ELS for footing construction N3-01 to N3-02 (30m_2 side)         N3_backfil & remove ELS	89 162 54 r 58 c 73 105 17 42	78 01-Feb-21 A 149 27-Mar-21 A 53 14-Apr-21 A 58 25-Feb-22 41 20-Mar-21 A 82 13-May-21 A 9 01-Oct-20 A 21 24-Oct-20 A	A 22-Apr-22 A 29-Jul-22 10-May-22 10-May-22 A 19-Jan-22 A 11-Mar-22 A 09-Dec-21 A 06-Jan-22 A 08-Jan-22	11-May-21 25-May-21 24-May-22 08-Feb-22 31-Mar-21 31-May-21 26-Feb-21 08-Apr-21 07-Apr-21	25-Aug-21 04-Dec-21 27-Jul-22 21-Apr-22 02-Jul-21 04-Oct-21 17-Mar-21 31-May-21	N3_ELS for footing construction	on N3-01 to N3-02 (30m_2 side) N3_footing construction N3-01 to N N3_backfill & remove ELS	LS for footing construction S3E2-51 to S3E2-61P (131m_2 side)
CUTHBOUND 55_1300 E CAP AND F4 ORTHBOUND 55_1020 55_1020 55_1050 OUTHBOUND 55_1190 25_1230 25_1245 OUTHBOUND 25_1260 25_1260 25_1270 25_1280 25_1310	PA_mini piles for PA-10P (7nr raking, 6nr ver)         OCTING         N4_ELS for footing/cap construction N4-29P to N4-53 (322m_2 side)         N4_cap/footing/stem wall construction N4-29 to N4-53 (322m_2 side)         N4_backfill a remove ELS         SE3-1_ELS for footing/cap construction S3E1-51P to S3E1-74P (313m SE3-2_ELS for footing/cap/stem wall construction S3E2-51 to S3E2-61P (131m_2 six SE3-2_looting/cap/stem wall construction S3E2-51 to 61P (9nr)         SUIP ROAD         N3_ELS for footing construction N3-01 to N3-02 (30m_2 side)         N3_backfill a remove ELS         R4_ELS for footing/cap construction N4-01 to R4-12P (158m_1 side)	89 162 54 7 8 7 3 105 17 42 5 44	78 01-Feb-21 A 149 27-Mar-21 A 53 14-Apr-21 A 58 25-Feb-22 41 20-Mar-21 A 82 13-May-21 A 9 01-Oct-20 A 21 24-Oct-20 A 3 23-Jan-21 A 8 08-Sep-20 A	<ul> <li>A 22-Apr-22</li> <li>A 29-Jul-22</li> <li>30-Aug-22</li> <li>10-May-22</li> <li>19-Jan-22</li> <li>A 19-Jan-22</li> <li>A 09-Dec-21</li> <li>A 06-Jan-22</li> <li>A 08-Jan-22</li> <li>A 19-Jan-22</li> </ul>	11-May-21 25-May-21 24-May-22 08-Feb-22 31-Mar-21 31-May-21 26-Feb-21 08-Apr-21 07-Apr-21 18-Mar-21	25-Aug-21 04-Dec-21 27-Jul-22 21-Apr-22 02-Jul-21 04-Oct-21 17-Mar-21 31-May-21 14-Apr-21 13-May-21	N3_ELS for footing construction	on N3-01 to N3-02 (30m_2 side) N3_footing construction N3-01 to N N3_backfill & remove ELS	LS for footing construction S3E2-51 to S3E2-61P (131m_2 side)
OUTHBOUND 25_1300 E CAP AND FI OMTHBOUND 25_1020 25_1030 25_1030 25_1130 25_1230 25_1240 25_1240 25_1240 25_1240 25_1240 25_1240 25_1310	R4_mini ples for R4-10P (7nr raking, 6nr ver) OOTING N4_ELS for footing/cap construction N4-29P to N4-53 (322m_2 side) N4_cap/footing/stem wall construction N4-29 to N4-53 (35rr) N4_backfil & remove ELS SE3-1_ELS for footing construction S3E1-51P to S3E1-74P (313m SE3-2_ELS for footing construction S3E2-51 to S3E2-61P (131m_2 six SE3-2_footing/cap/stem wall construction S3E2-51 to 61P (9rr) SLIP ROAD N3_ELS for footing construction N3-01 to N3-02 (30m_2 side) N3_footing construction N3-01 to N3-02 (30m_2 side) N3_footing construction N3-01 to N3-02 (30m_2 side) N3_footing construction R4-01 to R4-12P (158m_1 side) R4_cap/footing construction R4-01 to R4-12P (9rr)	89 162 54 73 105 17 42 5	78 01-Feb-21 A 149 27-Mar-21 A 53 14-Apr-21 A 58 25-Feb-22 41 20-Mar-21 A 82 13-May-21 A 9 01-Oc1-20 A 21 24-Oc1-20 A 3 23-Jan-21 A	<ul> <li>A 22-Apr-22</li> <li>A 29-Jul-22</li> <li>30-Aug-22</li> <li>10-May-22</li> <li>19-Jan-22</li> <li>A 19-Jan-22</li> <li>A 09-Dec-21</li> <li>A 06-Jan-22</li> <li>A 08-Jan-22</li> <li>A 19-Jan-22</li> </ul>	11-May-21 25-May-21 24-May-22 08-Feb-22 31-Mar-21 31-May-21 26-Feb-21 08-Apr-21 07-Apr-21 18-Mar-21	25-Aug-21 04-Dec-21 27-Jul-22 21-Apr-22 02-Jul-21 04-Oct-21 17-Mar-21 31-May-21 14-Apr-21 13-May-21	N3_ELS for footing construction	on N3-01 to N3-02 (30m_2 side) N3_footing construction N3-01 to N N3_backfill & remove ELS	LS for footing construction S3E2-51 to S3E2-61P (131m_2 side)
OUTHBOUND 5, 1300 15, 1300 15, 1200 15, 1020 15, 1020 15, 1020 15, 1020 15, 1020 15, 1020 15, 1020 15, 1020 15, 1240 15, 1240 15, 1240 15, 1240 15, 12	PA_mini piles for PA-10P (7nr raking, 6nr ver)         OCTING         N4_ELS for footing/cap construction N4-29P to N4-53 (322m_2 side)         N4_cap/footing/stem wall construction N4-29 to N4-53 (322m_2 side)         N4_backfill a remove ELS         SE3-1_ELS for footing/cap construction S3E1-51P to S3E1-74P (313m SE3-2_ELS for footing/cap/stem wall construction S3E2-51 to S3E2-61P (131m_2 six SE3-2_looting/cap/stem wall construction S3E2-51 to 61P (9nr)         SUIP ROAD         N3_ELS for footing construction N3-01 to N3-02 (30m_2 side)         N3_backfill a remove ELS         R4_ELS for footing/cap construction N4-01 to R4-12P (158m_1 side)	89 162 54 7 8 7 3 105 17 42 5 44	78 01-Feb-21 A 149 27-Mar-21 A 53 14-Apr-21 A 58 25-Feb-22 41 20-Mar-21 A 82 13-May-21 A 9 01-Oct-20 A 21 24-Oct-20 A 3 23-Jan-21 A 8 08-Sep-20 A	<ul> <li>A 22-Apr-22</li> <li>A 29-Jul-22</li> <li>30-Aug-22</li> <li>10-May-22</li> <li>19-Jan-22</li> <li>A 19-Jan-22</li> <li>A 09-Dec-21</li> <li>A 06-Jan-22</li> <li>A 08-Jan-22</li> <li>A 19-Jan-22</li> </ul>	11-May-21 25-May-21 24-May-22 08-Feb-22 31-Mar-21 31-May-21 26-Feb-21 08-Apr-21 07-Apr-21 18-Mar-21	25-Aug-21 04-Dec-21 27-Jul-22 21-Apr-22 02-Jul-21 04-Oct-21 17-Mar-21 31-May-21 14-Apr-21 13-May-21	N3_ELS for footing construction	on N3-01 to N3-02 (30m_2 side) N3_footing construction N3-01 to N N3_backfill & remove ELS	LS for footing construction S3E2-51 to S3E2-61P (131m_2 side)
OUTHBOUND 55, 1300 CR CAP AND F1 CAP AND F1 CS CAP AND F1	R4_mini ples for R4-10P (7nr raking, 6nr ver) OOTING N4_ELS for footing/cap construction N4-29P to N4-53 (322m_2 side) N4_cap/footing/stem wall construction N4-29 to N4-53 (25rr) N4_back/fil & remove ELS SE3-1_ELS for footing construction S3E1-51P to S3E1-74P (313m SE3-2_caling/cap/stem wall construction S3E2-51 to S3E2-61P (131m_2 si SE3-2_cont/gap/stem wall construction S3E2-51 to 61P (9rr) SLIP ROAD N3_ELS for footing construction N3-01 to N3-02 (30m_2 side) N3_boting construction N3-01 to N3-02 (30m_2 side) N3_boting construction N3-01 to N3-02 (20r) N3_backfil & remove ELS R4_CS1 for footing construction R4-01 to R4-12P (158m_1 side) R4_cap/footing construction R4-01 to R4-12P (9nr) ND REMAINING WORKS	89 162 54 7 8 7 3 105 17 42 5 44	78 01-Feb-21 A 149 27-Mar-21 A 53 14-Apr-21 A 58 25-Feb-22 41 20-Mar-21 A 82 13-May-21 A 9 01-Oct-20 A 21 24-Oct-20 A 3 23-Jan-21 A 8 08-Sep-20 A	<ul> <li>A 22-Apr-22</li> <li>A 29-Jul-22</li> <li>30-Aug-22</li> <li>10-May-22</li> <li>19-Jan-22</li> <li>A 19-Jan-22</li> <li>A 09-Dec-21</li> <li>A 06-Jan-22</li> <li>A 08-Jan-22</li> <li>A 19-Jan-22</li> </ul>	11-May-21 25-May-21 24-May-22 08-Feb-22 31-Mar-21 31-May-21 26-Feb-21 08-Apr-21 07-Apr-21 18-Mar-21	25-Aug-21 04-Dec-21 27-Jul-22 21-Apr-22 02-Jul-21 04-Oct-21 17-Mar-21 31-May-21 14-Apr-21 13-May-21	N3_ELS for footing construction	on N3-01 to N3-02 (30m_2 side) N3_footing construction N3-01 to N N3_backfill & remove ELS	LS for footing construction S3E2-51 to S3E2-61P (131m_2 side)
CUTHBOUND 25,1300 CE CAP AND FILE CAP AND FILE CONTHBOUND 25,1020 25,1020 25,1030 CTHBOUND 25,1130 25,1130 25,1245 COTTHBOUND 25,1280 25,1280 25,1280 25,1280 25,1320 20,000 25,1320 20,000 25,1320 20,000 25,1320 20,000 25,1320 20,00	PA_mini ples for PA-10P (7nr raking, 6nr ver)         OOTING         N4_ELS for footing/cap construction N4-29P to N4-53 (322m_2 side)         N4_cap/looding/stem wall construction N4-29 to N4-53 (25rr)         N4_backfil & remove ELS         SE3-1_ELS for footing/cap construction S3E1-51P to S3E1-74P (313m SE3-2_ELS for footing construction S3E2-51 to S3E2-61P (131m_2 six SE3-2_looting/cap/stem wall construction S3E2-51 to 61P (9rr)         SILP ROAD         N3_backfil & remove ELS         N3_footing construction N3-01 to N3-02 (20rn_2 side)         N3_backfil & remove ELS         R4_ELS for footing construction R4-01 to R4-12P (158m_1 side)         R4_cap/footing construction R4-01 to R4-12P (9rr)         ND         N4_cap/footing construction R4-01 to R4-12P (9rr)         ND         N3	89 162 54 7 8 7 3 105 17 42 5 44 44 162	78 01-Feb-21 A 149 27-Mar-21 A 53 14-Apr-21 A 58 25-Feb-22 41 20-Mar-21 A 82 13-May-21 A 9 01-Oct-20 A 21 24-Oct-20 A 3 23-Jan-21 A 8 08-Sep-20 A 99 08-Oct-20 A	<ul> <li>A 22-Apr-22</li> <li>A 29-Jul-22</li> <li>A 30-Aug-22</li> <li>I0-May-22</li> <li>I0-May-22</li> <li>I0-Jan-22</li> <li>A 06-Jan-22</li> <li>A 06-Jan-22</li> <li>A 19-Jan-22</li> <li>I3-May-22</li> </ul>	11-May-21 25-May-21 24-May-22 31-Mar-21 31-May-21 26-Feb-21 08-Apr-21 07-Apr-21 18-Mar-21 21-May-21	25-Aug-21 04-Dec-21 27-Jul-22 21-Apr-22 02-Jul-21 04-Oct-21 17-Mar-21 31-May-21 14-Apr-21 13-May-21 02-Dec-21	N3_ELS for footing construction	on N3-01 to N3-02 (30m_2 side) N3_footing construction N3-01 to N N3_backfill & remove ELS	LS for footing construction S3E2-51 to S3E2-61P (131m_2 side)
OUTHBOUND 25,1300 15 C 27,1300 25,1020 25,1020 25,1020 25,1020 25,1020 25,1020 25,1230 25,1245 25,1245 25,1245 25,1270 25,1270 25,1270 25,1310 25,1300 25,1300 25,1300	FM_mini ples for FA-10P (7nr raking, 6nr ver)         COTING         NM_ELS for footing/cap construction N4-29P to N4-53 (322m_2 side)         NM_cap/loading/stem wall construction N4-29P to N4-53 (322m_2 side)         NM_backfil & remove ELS         SE3-1_ELS for footing/cap construction S3E1-51P to S3E1-74P (313m SE3-2_ELS for footing construction S3E2-51 to S3E2-61P (151m_2 side)         SE3-2_cont/gac/ps/stem wall construction S3E2-51 to S3E2-61P (151m_2 side)         NA_ELS for footing construction N3-01 to N3-02 (30m_2 side)         NA_LOS for footing construction N3-01 to N3-02 (30m_2 side)         NA_lockfil & remove ELS         R4_ELS for footing construction R4-01 to R4-12P (158m_1 side)         R4_ELS for footing construction R4-01 to R4-12P (9nr)         ND RetAMNING WORKS         Drainage construction N3/126 to MS128 144m	89 162 54 7 8 7 3 105 17 42 5 44	78 01-Feb-21 A 149 27-Mar-21 A 53 14-Apr-21 A 58 25-Feb-22 41 20-Mar-21 A 82 13-May-21 A 9 01-Oct-20 A 21 24-Oct-20 A 3 23-Jan-21 A 8 08-Sep-20 A 99 08-Oct-20 A	<ul> <li>A 22-Apr-22</li> <li>A 29-Jul-22</li> <li>A 30-Aug-22</li> <li>I0-May-22</li> <li>I0-May-22</li> <li>I0-Jan-22</li> <li>A 06-Jan-22</li> <li>A 06-Jan-22</li> <li>A 19-Jan-22</li> <li>I3-May-22</li> </ul>	11-May-21 25-May-21 24-May-22 31-Mar-21 31-May-21 26-Feb-21 08-Apr-21 07-Apr-21 18-Mar-21 21-May-21	25-Aug-21 04-Dec-21 27-Jul-22 21-Apr-22 02-Jul-21 04-Oct-21 17-Mar-21 31-May-21 14-Apr-21 13-May-21 02-Dec-21	N3. ELS for footing construction	on N3-01 to N3-02 (30m_2 side) N3_footing construction N3-01 to N N3_backfill & remove ELS	LS for footing construction S3E2-51 to S3E2-61P (131m_2 side)
OUTHBOUND 25,1300 25,1300 25,1020 25,1020 25,1020 25,1020 25,1020 25,1020 25,1200 25,1	PA_mini ples for PA-10P (7nr raking, 6nr ver)         COTING         NM_ELS for footing/cap construction N4-29P to N4-53 (322m_2 side)         NM_eap/ooding/stem wall construction N4-29 to N4-53 (322m_2 side)         NM_backfil & remove ELS         SE3-1_ELS for footing/cap construction S3E1-51P to S3E1-74P (313m SE3-2_ELS for footing construction S3E2-51 to S1E2-61P (131m_2 six SE3-2_footing/cap/stem wall construction S3E2-51 to S1E7 (97r)         SLIP ROAD         N3_boting construction N3-01 to N3-02 (30m_2 side)         N3_boting construction N3-01 to N3-02 (27r)         N3_boting construction R4-01 to R4-12P (158m_1 side)         R4_cap/footing/cap construction R4-01 to R4-12P (9rr)         ND REMAINING WORKS         Drainage construction N5126 to MS128 144m         WORKS	89 162 54 7 8 7 3 105 17 42 5 44 44 162	78 01-Feb-21 A 149 27-Mar-21 A 53 14-Apr-21 A 58 25-Feb-22 41 20-Mar-21 A 82 13-May-21 A 9 01-Oct-20 A 21 24-Oct-20 A 3 23-Jan-21 A 8 08-Sep-20 A 99 08-Oct-20 A	<ul> <li>A 22-Apr-22</li> <li>A 29-Jul-22</li> <li>A 30-Aug-22</li> <li>I0-May-22</li> <li>I0-May-22</li> <li>I0-Jan-22</li> <li>A 06-Jan-22</li> <li>A 06-Jan-22</li> <li>A 19-Jan-22</li> <li>I3-May-22</li> </ul>	11-May-21 25-May-21 24-May-22 31-Mar-21 31-May-21 26-Feb-21 08-Apr-21 07-Apr-21 18-Mar-21 21-May-21	25-Aug-21 04-Dec-21 27-Jul-22 21-Apr-22 02-Jul-21 04-Oct-21 17-Mar-21 31-May-21 14-Apr-21 13-May-21 02-Dec-21	N3_ELS for footing construction	on N3-01 to N3-02 (30m_2 side) N3_footing construction N3-01 to N N3_backfil & remove ELS	LS for footing construction S3E2-51 to S3E2-61P (131m_2 side)
ECTHBOUND 55,1300 ECAP AND FILE CAP AND FILE ORTHBOUND 55,1030 55,1050 OUTHBOUND 55,1190 55,1190 55,1190 55,1280 00THBOUND 55,1280 25,1280 25,1280 25,1310 55,1320 125,1350 125,13	PA_mini ples for PA-10P (7nr raking, 6nr ver)         COTING         NM_ELS for footing/cap construction N4-29P to N4-53 (322m_2 side)         NM_eap/ooding/stem wall construction N4-29 to N4-53 (322m_2 side)         NM_backfil & remove ELS         SE3-1_ELS for footing/cap construction S3E1-51P to S3E1-74P (313m SE3-2_ELS for footing construction S3E2-51 to S1E2-61P (131m_2 six SE3-2_footing/cap/stem wall construction S3E2-51 to S1E7 (97r)         SLIP ROAD         N3_boting construction N3-01 to N3-02 (30m_2 side)         N3_boting construction N3-01 to N3-02 (27r)         N3_boting construction R4-01 to R4-12P (158m_1 side)         R4_cap/footing/cap construction R4-01 to R4-12P (9rr)         ND REMAINING WORKS         Drainage construction N5126 to MS128 144m         WORKS	89 162 54 7 8 7 3 105 17 42 5 44 44 162	78 01-Feb-21 A 149 27-Mar-21 A 53 14-Apr-21 A 58 25-Feb-22 41 20-Mar-21 A 82 13-May-21 A 9 01-Oct-20 A 21 24-Oct-20 A 3 23-Jan-21 A 8 08-Sep-20 A 99 08-Oct-20 A	<ul> <li>A 22-Apr-22</li> <li>A 29-Jul-22</li> <li>A 30-Aug-22</li> <li>I0-May-22</li> <li>I0-May-22</li> <li>I0-Jan-22</li> <li>A 06-Jan-22</li> <li>A 06-Jan-22</li> <li>A 19-Jan-22</li> <li>I3-May-22</li> </ul>	11-May-21 25-May-21 24-May-22 31-Mar-21 31-May-21 26-Feb-21 08-Apr-21 07-Apr-21 18-Mar-21 21-May-21	25-Aug-21 04-Dec-21 27-Jul-22 21-Apr-22 02-Jul-21 04-Oct-21 17-Mar-21 31-May-21 14-Apr-21 13-May-21 02-Dec-21	N3_ELS for footing construction	on N3-01 to N3-02 (30m_2 side) N3_footing construction N3-01 to N N3_backfil & remove ELS	LS for footing construction S3E2-51 to S3E2-61P (131m_2 side)
OUTHBOUND 25,1300 15,000 15,000 25,1030 25,1030 25,1030 25,1030 25,1030 25,1030 25,1230 25,1230 25,1230 25,1230 25,1270 25,1230 25,1230 25,1230 25,1320 25,1300 25,15000 25,15000 25,1500000000000000000000000000000000000	FM_mini ples for FA-10P (7nr raking, 6nr ver)         COTING         NM_ELS for footing/cap construction N4-29P to N4-53 (322m_2 side)         NM_cap/ooting/stem wall construction N4-29P to N4-53 (32cm_2 side)         NM_backfil & remove ELS         SE3-1_ELS for footing/cap construction S3E1-51P to S3E1-74P (313m SE3-2_ELS for footing construction S3E2-51 to S3E2-61P (131m_2 si SE3-2_coll/gap/stem wall construction S3E2-51 to 51P (9m)         SLIP F0AD         N3_ooting construction N3-01 to N3-02 (30m_2 side)         N3_ooting construction R4-01 to R4-12P (158m_1 side)         R4_ELS for looting construction R4-01 to R4-12P (9m)         ND REMAINING WORKS         Drainage construction MS126 to MS128 144m         VORKS	89 162 54 54 7 3 105 17 42 5 44 162 45	78 01-Feb-21 A 149 27-Mar-21 A 53 14-Apr-21 A 56 25-Feb-22 41 20-Mar-21 A 82 13-May-21 A 9 01-Oct-20 A 21 24-Oct-20 A 2 24-Oct-20 A 8 08-Sep-20 A 99 08-Oct-20 A	<ul> <li>22-Apr-22</li> <li>29-Jul-22</li> <li>30-Aug-22</li> <li>10-May-22</li> <li>10-May-22</li> <li>10-Jan-22</li> <li>06-Jan-22</li> <li>06-Jan-22</li> <li>19-Jan-22</li> <li>29-Mar-22</li> </ul>	11-May-21 25-May-21 24-May-22 31-Mar-21 31-Mar-21 31-May-21 26-Feb-21 08-Apr-21 18-Mar-21 21-May-21 14-Jan-22	25-Aug-21 04-Dec-21 27-Jul-22 21-Apr-22 02-Jul-21 04-Oct-21 17-Mar-21 13-May-21 13-May-21 13-May-21 13-May-21 13-May-21 13-May-21		n N3-01 to N3-02 (30m_2 side) N3_footing construction N3-01 to N N3_footing construction N3-01 to N N3_backfil & remove ELS R4_ELS1	LS for footing construction S3E2-51 to S3E2-61P (131m_2 side) I3-02 (2rr) for footing/cap construction R4-01 to R4-12P (158m_1 side)
DUTHBOUND 55,1300 (E CAP AND FILE CAP AND FILE ORTHBOUND 55,1020 (25,1030 (25,1030 (25,1030 (25,1030 (25,1030) (25,1240 (25,1240) (25,1240) (25,1270) (25,12	PA_mini ples for PA-10P (7nr raking, 6nr ver)         COTING         NM_ELS for footing/cap construction N4-29P to N4-53 (322m_2 side)         NM_eap/ooding/stem wall construction N4-29 to N4-53 (322m_2 side)         NM_backfil & remove ELS         SE3-1_ELS for footing/cap construction S3E1-51P to S3E1-74P (313m SE3-2_ELS for footing construction S3E2-51 to S1E2-61P (131m_2 six SE3-2_footing/cap/stem wall construction S3E2-51 to S1E7 (97r)         SLIP ROAD         N3_boting construction N3-01 to N3-02 (30m_2 side)         N3_boting construction N3-01 to N3-02 (27r)         N3_boting construction R4-01 to R4-12P (158m_1 side)         R4_cap/footing/cap construction R4-01 to R4-12P (9rr)         ND REMAINING WORKS         Drainage construction N5126 to MS128 144m         WORKS	89 162 54 7 8 7 3 105 17 42 5 44 44 162	78 01-Feb-21 A 149 27-Mar-21 A 53 14-Apr-21 A 58 25-Feb-22 41 20-Mar-21 A 82 13-May-21 A 9 01-Oct-20 A 21 24-Oct-20 A 3 23-Jan-21 A 8 08-Sep-20 A 99 08-Oct-20 A	<ul> <li>22-Apr-22</li> <li>29-Jul-22</li> <li>30-Aug-22</li> <li>10-May-22</li> <li>10-May-22</li> <li>10-Jan-22</li> <li>06-Jan-22</li> <li>06-Jan-22</li> <li>19-Jan-22</li> <li>29-Mar-22</li> </ul>	11-May-21 25-May-21 24-May-22 31-Mar-21 31-Mar-21 31-May-21 26-Feb-21 08-Apr-21 18-Mar-21 21-May-21 14-Jan-22	25-Aug-21 04-Dec-21 27-Jul-22 21-Apr-22 02-Jul-21 04-Oct-21 17-Mar-21 13-May-21 13-May-21 13-May-21 13-May-21 13-May-21 13-May-21	NG & RETROFITTING NOISE BARRIERS ON TAI PO R	N3-01 to V3-02 (30m, 2 side) N3_fooling construction N3-01 to N N3_backfil & remove ELS R4_ELS 1 R0_DD (SHA_TIN_SECTION)	LS for footing construction S3E2-51 to S3E2-61P (131m_2 side) I3-02 (2nr) for footing cas construction R4-01 to R4-12P (158m_1 side) B Revision Checked Approved
OUTHBOUND 25,1300 (E CAP AND FILE CAP AND FILE CAP AND FI	R4_mini ples for R4-10P (7nr raking, 6nr ver)         OOTING         N4_ELS for footing/cap construction N4-29P to N4-53 (322m_2 side)         N4_cap/footing/stem wall construction N4-29P to N4-53 (32cm_2 side)         N4_cap/footing/stem wall construction N4-29 to N4-53 (32cm_2 side)         SE3-1_ELS for footing construction S3E1-51P to S3E1-74P (313m SE3-2_ELS for footing construction S3E2-51 to S3E2-61P (131m_2 side)         SE3-2_contrg/cap/stem wall construction S3E2-51 to S1E2 61P (131m_2 side)         N3_LELS for footing construction N3-01 to N3-02 (30m_2 side)         N3_ooting construction R4-01 to R4-12P (158m_1 side)         R4_cap/loating construction M4-01 to R4-12P (9nr)         ND REMAINING WORKS         Oranage construction M5126 to MS128 144m         VORKS         SLIP ROAD         Remaining Work	89 162 54 73 105 17 44 162 45	78 01-Feb-21 A 149 27-Mar-21 A 53 14-Apr-21 A 55 14-Apr-21 A 58 25-Feb-22 41 20-Mar-21 A 82 13-May-21 A 9 01-Oct-20 A 21 24-Oct-20 A 21 24-Oct-20 A 9 08-Oct-20 A 9 08-Oct-20 A 45 04-Feb-22 ♦ Milestone	<ul> <li>A 22-Apr-22</li> <li>A 22-Jul-22</li> <li>A 30-Aug-22</li> <li>10-May-22</li> <li>10-May-22</li> <li>11-Mar-22</li> <li>08-Dec-21</li> <li>06-Jan-22</li> <li>08-Jan-22</li> <li>13-May-22</li> <li>29-Mar-22</li> </ul>	11-May-21 25-May-21 24-May-22 31-Mar-21 31-Mar-21 31-May-21 26-Feb-21 08-Apr-21 18-Mar-21 21-May-21 14-Jan-22	25-Aug-21 04-Dec-21 27-Jul-22 21-Apr-22 02-Jul-21 04-Oct-21 17-Mar-21 13-May-21 13-May-21 13-May-21 13-May-21 13-May-21 13-May-21	NG & RETROFITTING NOISE BARRIERS ON TAI PO R	N3-01 to V3-02 (30m, 2 side) N3_fooling construction N3-01 to N N3_backfil & remove ELS R4_ELS 1 R0_DD (SHA_TIN_SECTION)	LS for footing construction S3E2-51 to S3E2-61P (131m_2 side) I3-02 (2rr) for footing/cap construction R4-01 to R4-12P (158m_1 side)
CTHBOUND 5_1300 CCAPAND FC CCAPAND FC STHEOUND 5_1020 5_1020 5_1020 5_1020 5_1200 5_1200 5_1230 5_12455 5_124555555555555555555555555555555555	FM_mini ples for FA-10P (7nr raking, 6nr ver)         COTING         NM_ELS for footing/cap construction N4-29P to N4-53 (322m_2 side)         NM_cap/ooting/stem wall construction N4-29P to N4-53 (32cm_2 side)         NM_backfil & remove ELS         SE3-1_ELS for footing/cap construction S3E1-51P to S3E1-74P (313m SE3-2_ELS for footing construction S3E2-51 to S3E2-61P (131m_2 si SE3-2_coll/gap/stem wall construction S3E2-51 to 51P (9m)         SLIP F0AD         N3_ooting construction N3-01 to N3-02 (30m_2 side)         N3_ooting construction R4-01 to R4-12P (158m_1 side)         R4_ELS for looting construction R4-01 to R4-12P (9m)         ND REMAINING WORKS         Drainage construction MS126 to MS128 144m         VORKS	89 162 54 73 105 17 44 162 45	78 01-Feb-21 A 149 27-Mar-21 A 53 14-Apr-21 A 56 25-Feb-22 41 20-Mar-21 A 82 13-May-21 A 9 01-Oct-20 A 21 24-Oct-20 A 2 24-Oct-20 A 9 08-Oct-20 A 99 08-Oct-20 A	<ul> <li>A 22-Apr-22</li> <li>A 22-Jul-22</li> <li>A 30-Aug-22</li> <li>10-May-22</li> <li>10-May-22</li> <li>11-Mar-22</li> <li>08-Dec-21</li> <li>06-Jan-22</li> <li>08-Jan-22</li> <li>13-May-22</li> <li>29-Mar-22</li> </ul>	11-May-21 25-May-21 24-May-22 31-Mar-21 31-Mar-21 31-May-21 26-Feb-21 08-Apr-21 18-Mar-21 21-May-21 14-Jan-22	25-Aug-21 04-Dec-21 27-Jul-22 21-Apr-22 02-Jul-21 04-Oct-21 17-Mar-21 13-May-21 13-May-21 13-May-21 13-May-21 13-May-21 13-May-21		N3-01 to V3-02 (30m, 2 side) N3_fooling construction N3-01 to N N3_backfil & remove ELS R4_ELS 1 R0_DD (SHA_TIN_SECTION)	LS for footing construction S3E2-51 to S3E2-61P (131m_2 side) I3-02 (2nr) for footing cas construction R4-01 to R4-12P (158m_1 side) B Revision Checked Approved

ity ID	Activity Name	Original Duration	Remaining 3MRP Sta	1 3MRP Finis	DWP 2111 St	art DWP 2111		2021		2022	
		Duration	Duration			Finish	Nov	Dec	Jan	Feb	Mar
Z5_1740	Zone 5_fill replacement by no-fines concrete 7SE-A/F166 (open excav	29	21 12-Mar	21 A 25-Jun-2	2 07-Apr-22	2 14-May-22	1	4	4	4	45
the local division of		and the state of	Contraction of the	Contract of the local division		CONTRACTOR OF					
PORTION	E (ZONE 5)					To all residence					1
PRELIMINARI	ES WORKS										
SUMMARY PR											
TPR NORTH											4
PESU1000	Construction Zone 5 Portion E_Northbound structure	336	122 11-May	20 A 03-May-2	22 31-Jul-20	16-Sep-21					
	ER AND SEMI-ENCLOSURE										
PILE FOUNDA											:
	ID SLIP ROAD	424312	Lead to the second	Reading Ford		State Barth					1
Z5E_1191	MTRC consent to resume Portion E works	0	0	13-Dec-3		13-Dec-21		S MTRC consent to resume Portion	E works		
Z5E_1200	N4, R5 & R6_mini piles for N4-54P to R6-06P (25nr raking, 77nr ver)	64	12 09-Jul-	1 A 28-Dec-	21 31-Jul-21	16-Oc1-21	March Street and Street and Street	N4,	R5 & R6_mini piles for N4-54P to R6-06P (25nr raking, 77nr	vėr)	1
PILE CAP AND											
	ID SLIP ROAD				and the second						1
Z5E_1020	N4, R5 & R6_ELS for cap/footing construction N4-54P to R6-06P (225				2 08-Sep-2		Construction of the second		N4, R5 & R6_ELS for cap/looti	ng construction N4-54P to R6-06P (225m_1 side)	
Z5E_1030	R5_footing/cap/stem wall construction N4-54P to R6-06P (13nr)	126	78 04-Aug	21 A 02-Apr-2	2 17-Sep-2	1 22-Feb-22			The second second and the second s	the built she is the second second second second second	
ROADWORKS	AND REMAINING WORKS										
GEOTECHNIC											1
and the second second second second	ID SLIP ROAD										1
Z5E_1150	Zone 5 Portion E_fill replacement by no-fines concrete 7SE-A/F163 (or			20 A 13-Jan-2		0 09-Feb-21			Zone 5 Portion E_fill replacement	by no-fines concrete 7SE-A/F163 (open excavation)	1
Z5E_1160	Zone 5 Portion E_fill replacement by no-fines concrete 7SE-A/FR136 (	50		21 A 09-Feb-2		06-Sep-21				Zone 5 Portion E_fill replacement by	y no-fines co
Z5E_1170	Zone 5 Portion E_fill replacement by no-fines concrete 7SE-A/F133 (or	38	8 10-Feb	20 A 21-Apr-2	2 11-Sep-2	0 28-Oct-20					1

Comparison I available Effect	Remaining Work	Milestone	ROAD WIDENING & RETROFITTING NOISE BARRIERS ON TAI PO ROAD (SHA TIN SECTION)	Date	Revision	Checked	Approved
Remaining Level of Effort				08-Dec-21	3MRP DWP 2111	Tim	
Actual Level of Effort	Critical Remaining Work	<ul> <li>Baseline Milestone</li> </ul>	3 Months Rolling Programme (30/11/21)				
Actual Work	Primary Baseline		Page 5 of 5				
				1			

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Fugro Development Centre, 5 Lok Yi Street, Tai Lam, Tuen Mun, N.T., Hong Kong.

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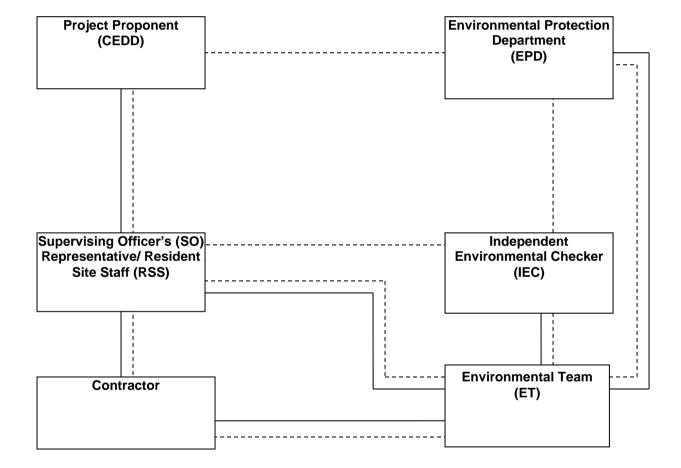


Appendix B

**Project Organization Chart** 

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Legend:								
Line of Reporting								
Line of Communication								

Fugro Development Centre, 5 Lok Yi Street, Tai Lam, Tuen Mun, N.T., Hong Kong.

Tel : +852 2450 8233 Fax : +852 2450 6138 E-mail : matlab@fugro.com Website : www.fugro.com



Appendix C

Action and Limit Levels for Air Quality and Noise

Fugro Development Centre, 5 Lok Yi Street, Tai Lam, Tuen Mun, N.T., Hong Kong. Tel : +852 2450 8233 Fax : +852 2450 6138 E-mail : matlab@fugro.com Website : www.fugro.com



# Action and Limit Levels for 24-hr TSP and 1-hr TSP

Parameter	Monitoring Station	Action Level (µg/m <sup>3</sup> )	Limit Level (µg/ m³)		
	AMS 4A	200			
24-hr TSP	AMS 7A	171	260		
(µg/m³)	AMS 12	168	200		
	AMS 17	171			
	AMS 4A	348			
1-hr TSP	AMS 7A	344	500		
(µg/m³)	AMS 12	296	500		
	AMS 17	338			

# Action and Limit Levels for Construction Noise, Leq (30min), dB(A)

Time Period	Location	Action	Limit
0700-1900 hrs on normal weekdays	NMS1 NMS2 NMS2 NMS3 NMS4 NMS5A NMS6A NMS7 NMS7 NMS10A* NMS10A* NMS10A* NMS10A* NMS12* NMS11 NMS12* NMS13 NMS14 NMS15 NMS16 NMS15 NMS16 NMS15 NMS16 NMS17* NMS18 NMS19 NMS20 NMS20 NMS23 NMS24 NMS25A NMS26 NMS26 NMS27*	When one documented complaint is received	75 dB(A)

\* For NMS 10A, 12, 17 and 27, the Limit Level is reduced to 70 dB(A) for schools and 65 dB(A) during school examination periods.

Fugro Development Centre, 5 Lok Yi Street, Tai Lam, Tuen Mun, N.T., Hong Kong. Tel : +852 2450 8233 Fax : +852 2450 6138 E-mail : matlab@fugro.com Website : www.fugro.com



Appendix D

**Calibration Certificates of Monitoring Equipment** 



Report no.: 940891CA211924(3)

Page 1 of 1

# **CALIBRATION CERTIFICATE OF DUST METER**

Client : Fugro Technical Services Limited Project : Calibration Services

### **Client Supplied Information**

Details of Unit Under Test, UUT

Description	: Laser dust monitor
Manufacturer	: SIBATA
Model No.	: LD-3B
Serial No.	: 882189
Specification Limit	: NA
Next Calibration Date	: 11-Jul-2022

### Laboratory Information

Description	: 1. Balance	2. TSP high volume air sampler
Equipment ID. / Seria	al no. : 1. C-065-9	2. 4350
Date of Calibration	: 12-Jul-2021	Ambient Temperature : 25 ± 10 °C
Calibration Location	: General Chemical L	aboratory of FTS and Ma Wan A1 Site Boundary
Method Used	: By direct compariso	n the weight of dust particle trapped in a filter paper using high
	volume sampler (TS	P method) for a certain period, with the reading of the UUT. They
	should be placed at	the same location and powered on and off at the same time.

### Calibration Results :

Reference concentration (mg/m <sup>3</sup> )	Total count for 1 hour	CPM (Count per minute)
0.0424	1498	24.97
0.0194	1052	17.53
0.0230	1088	18.13

### **Remarks:**

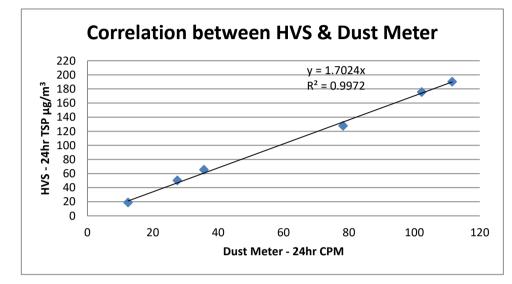
1. The equipment being used in this calibration is traceable to recognized National Standards.

- 2. The interpolation equation : Concentration  $(mg/m^3) = K \times [UUT reading (CPM)]$ , where K = 0.001400
- 3. Correlation coefficient (r): 0.9973

Checked by :	Crany	_ Date :	12-8-2021	Certified by :_	KI Loung	_ Date : <u>13 - 8 - 2011</u>
CA-R-297 (22/07/20	09)			Leung	Kwok Tai (Assist	ant Manager)

Correlation between HVS & Dust Meter		
Model:	Sibata LD-3B	
Serial No:	882189	

HVS - 24hr TSP μg/m <sup>3</sup>	18.96	50.23	65.32	127.68	175.63	190.24
Dust Meter - 24hr CPM	12.4	27.5	35.7	78.2	102.3	111.5



K factor = 1.7024



Report no. : 940891CA211924

Page 1 of 1

Hong Kong

# CALIBRATION CERTIFICATE OF DUST METER

Client : Fugro Technical Services Limited

Project : Calibration Services

### **Client Supplied Information**

Details of Unit Under Test, UUT

Description	: Laser dust monitor
Manufacturer	: SIBATA
Model No.	: LD-3B
Serial No.	: 466711
Specification Limit	: NA
Next Calibration Date	: 11-Jul-2022

### Laboratory Information

Description	: 1. Balance	2. TSP high volume air sampler
Equipment ID. / Serial	no.: 1.C-065-9	2. 4350
Date of Calibration :	12-Jul-2021	Ambient Temperature : 25 ± 10 °C
		aboratory of FTS and Ma Wan A1 Site Boundary
Method Used		n the weight of dust particle trapped in a filter paper using high
	volume sampler (TS	P method) for a certain period, with the reading of the UUT. They
	should be placed at t	the same location and powered on and off at the same time.

# Calibration Results :

Reference concentration (mg/m <sup>3</sup> )	Total count for 1 hour	CPM (Count per minute)
0.0424	1296	21.60
0.0194	1022	17.03
0.0230	1081	18.02

### **Remarks:**

1. The equipment being used in this calibration is traceable to recognized National Standards.

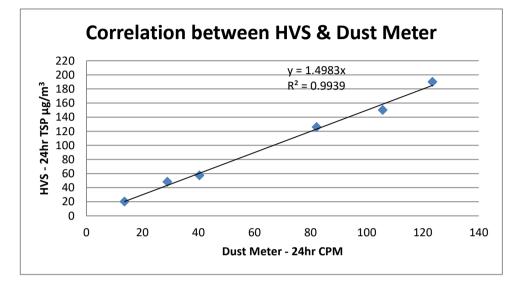
2. The interpolation equation : Concentration  $(mg/m^3) = K \times [UUT reading (CPM)]$ , where K = 0.001498

3. Correlation coefficient (r) : 0.9982

Checked by :	Date : 12-8-2021 Certified by : ATrong Date : 13-8-201
CA-R-297 (22/07/2009)	Leung Kwok Tai (Assistant Manager)

Correlation between HVS & Dust Meter		
Model:	Sibata LD-3B	
Serial No:	466711	

HVS - 24hr TSP μg/m <sup>3</sup>	20.21	48.24	57.29	125.95	150.20	190.00
Dust Meter - 24hr CPM	13.6	28.9	40.3	82.1	105.7	123.5



K factor = 1.498



Report no. : 940891CA210393

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Hong Kong

# **CALIBRATION CERTIFICATE OF DUST METER**

Client : Fugro Technical Services Limited

Project : Calibration Services

### **Client Supplied Information**

Details of Unit Under Test, UUT

Description	: Laser dust monitor
Manufacturer	: SIBATA
Model No.	: LD-3B
Serial No.	: 597317
Specification Limit	: NA
Next Calibration Date	: 17-Jan-2022

# Laboratory Information

Description	: 1. Balance	2. TSP high volume air sampler
Equipment ID. / Seria	Il no. : 1. C-065-9	2. 4350
Date of Calibration	: 18-Jan-2021	Ambient Temperature : 25 ± 10 °C
Calibration Location	: General Chemical L	aboratory of FTS and Ma Wan A1 Site Boundary
Method Used	: By direct comparison	n the weight of dust particle trapped in a filter paper using high
	volume sampler (TS	P method) for a certain period, with the reading of the UUT. They
	should be placed at	the same location and powered on and off at the same time.

### Calibration Results :

Reference concentration (mg/m <sup>3</sup> )	Total count for 1 hour	CPM (Count per minute)
0.1447	5348	89.13
0.1385	5405	90.08
0.2094	7223	120.38

### **Remarks:**

1. The equipment being used in this calibration is traceable to recognized National Standards.

- 2. The interpolation equation : Concentration (mg/m<sup>3</sup>) = K x [UUT reading (CPM)], where K = 0.001644
- 3. Correlation coefficient (r): 0.9944

Checked by : Checked by : Checked by :  $L_{1}$  Date : 24 - 2 - 202 Certified by :  $L_{1}$  Date : 24 - 2 - 202 Certified by :  $L_{2}$  Date : 24 - 2 - 202 Leung Kwok Tai (Assistant Manager)

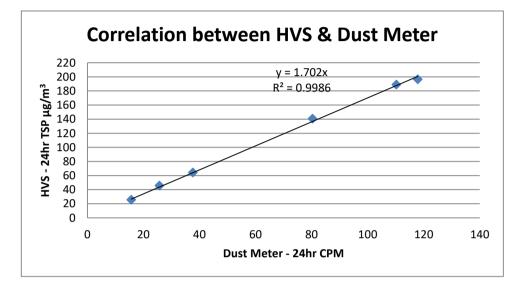
\*\* End of Report \*\*

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Correlation between HVS &	a Dust Meter
Model:	Sibata LD-3B
Serial No:	597317

HVS - 24hr TSP μg/m <sup>3</sup>	25.61	45.63	64.24	140.65	188.85	196.54
Dust Meter - 24hr CPM	15.6	25.7	37.7	80.4	110.3	117.9



K factor = 1.702



Report no.: 940891CA211924(1)

Page 1 of 1

# **CALIBRATION CERTIFICATE OF DUST METER**

Client : Fugro Technical Services Limited

Project : Calibration Services

## **Client Supplied Information**

Details of Unit Under Test, UUT

Description	: Laser dust monitor
Manufacturer	: SIBATA
Model No.	: LD-3B
Serial No.	: 476783
Specification Limit	: NA
Next Calibration Date	: 11-Jul-2022

### Laboratory Information

Description	: 1. Balance	2. TSP high volume air sampler
Equipment ID. / Seri	al no.: 1. C-065-9	2. 4350
Date of Calibration	: 12-Jul-2021	Ambient Temperature : 25 ± 10 °C
Calibration Location	: General Chemical	Laboratory of FTS and Ma Wan A1 Site Boundary
Method Used	: By direct compariso	on the weight of dust particle trapped in a filter paper using high
	volume sampler (T	SP method) for a certain period, with the reading of the UUT. They
	should be placed a	t the same location and powered on and off at the same time.

### Calibration Results :

Reference concentration (mg/m <sup>3</sup> )	Total count for 1 hour	CPM (Count per minute)
0.0424	1586	26.43
0.0194	1012	16.87
0.0230	1055	17.58

### **Remarks:**

1. The equipment being used in this calibration is traceable to recognized National Standards.

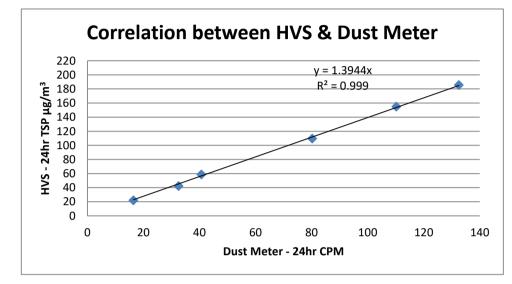
2. The interpolation equation : Concentration  $(mg/m^3) = K \times [UUT reading (CPM)]$ , where K = 0.001394

3. Correlation coefficient (r): 0.9969

Checked by :	Cum	_Date :	12-8-202			Date : 13 - 8 - 2011
CA-R-297 (22/07/20	09)			Leung I	Kwok Tai (Assista	nt Manager)

Correlation between HVS &	k Dust Meter
Model:	Sibata LD-3B
Serial No:	476783

HVS - 24hr TSP μg/m <sup>3</sup>	21.89	42.35	58.70	109.56	154.83	185.54
Dust Meter - 24hr CPM	16.4	32.5	40.7	80.2	110.3	132.5



K factor = 1.3940



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Report no.: 212769CA212279

# **CALIBRATION CERTIFICATE OF SOUND LEVEL METER**

### **Client Supplied Information**

Client : Fugro Technical Services Ltd. Project : Calibration Services

### Details of Unit Under Test, UUT

Description	:	Sound Level Meter		
Manufacturer	;	Casella		
		Meter	Microphone	Preamplifier
Model No.	:	CEL-63X	CE-251	CEL-495
Serial No.	:	1367959	03393	002712
Equipment ID	:	N-41-C		
Next Calibration Date	:	12-Sep-2022		
Specification Limit	;	EN 61672-1: 2003 Clas	s 1	

### Laboratory Information

Details of Reference Equipment -

Description : Equipment ID. :		B & K Acoustic Multifunction Calibrator 4226 (Traditional free field setting) R-108-1				
	÷	13-Sep-2021 Calibration Laboratory of FTS By direct comparison	Ambient Temperature Relative Humidity	:	20±2  °C <80% R.H.	

### **Calibration Results :**

Parame	ters	Mean Value (dB)	Specific	ation	Limit(dB)
	4000Hz	0.2	2.6	to	-0.6
	2000Hz	0.9	2.8	to	-0.4
	1000Hz	-0.1	1.1	to	-1.1
A-weigthing frequency	500Hz	-3.4	-1.8	to	-4.6
response	250Hz	-8.8	-7.2	to	-10.0
	125Hz	-16.2	-14.6	to	-17.6
	63Hz	-26.2	-24.7	to	-27.7
	31.5Hz	-39.2	-37.4	to	-41.4
Differential level	94dB-104dB	0.0		± 0.6	3
linearity	104dB-114dB	0.0		± 0.6	3

### Remarks :

- 1. The equipment used in this calibration is traceable to recognized National Standards.
- 2. The mean value is the average of four measurements.
- 3. For calibration: Reference SPL are 94, 104 & 114dB, range setting is 20-140dB & time weighting is fast
- 4. The UUT does comply with EN 61672-1: 2003 Class 1 sound level meter for the above measurement.
- 5 The values given in this Calibration Certificate only relate to unit under test and the values measured at the time of the test. Any uncertainties will not include allowance for the equipment long term drift, variations with environment changes, vibration and shock during tranportation, overloading, mis-handling or the capability of any other laboratory to repeat the measurement.

Checked by :	cum	_ Date : _	17-9-2021 Certified by: FT. Joung Date: 17-9-2021
CA-R-297 (22/07/20	009)		Leung Kwok Tai (Assistant Manager)
			** End of Report **

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Page 1 of 1

Report no.: 212769CA212463(1)

# CALIBRATION CERTIFICATE OF SOUND LEVEL METER

### **Client Supplied Information**

Client : Fugro Technical Services Ltd. Project : Calibration Services

Details of Unit Under Test, UUT

Description		Sound Level Meter		
Manufacturer	:	Casella		
		Meter	Microphone	Preamplifier
Model No.	:	CEL-63X	CE-251	CEL-495
Serial No.	:	1488272	03876	002752
Equipment ID	:	N/A		
Next Calibration Date	:	27-Oct-2022		
Specification Limit	:	EN 61672-1: 2003 Class	; 1	

### Laboratory Information

Details of Reference Equipment -

Description :		B & K Acoustic Multifunction Calib	rator 4226 (Traditional fre	ee '	field setting)
Equipment ID. :	i.	R-108-1			
Date of Calibration	•	28-Oct-2021			
Calibration Location	:	Calibration Laboratory of FTS	Ambient Temperature	÷	20±2 °C
Method Used	÷	By direct comparison	Relative Humidity	:	<80% R.H.

### **Calibration Results :**

Parameters		Mean Value (dB)	Specification Limit(dl		Limit(dB)
	4000Hz	1.8	2.6	to	-0.6
	2000Hz	1.5	2.8	to	-0.4
A-weigthing	1000Hz	0.2	1.1	to	-1.1
frequency	500Hz	-3.2	-1.8	to	-4.6
response	250Hz	-8.7	-7.2	to	-10.0
	125Hz	-16.1	-14.6	to	-17.6
	63Hz	-26.2	-24.7	to	-27.7
Differential level linearity	94dB-104dB	0.0	± 0.6		3
	104dB-114dB	0.0		± 0.6	3

### **Remarks**:

- 1. The equipment used in this calibration is traceable to recognized National Standards.
- 2. The mean value is the average of four measurements.
- 3. For calibration: Reference SPL are 94, 104 & 114dB, range setting is 20-140dB & time weighting is fast
- 4. The UUT does comply with EN 61672-1: 2003 Class 1 sound level meter for the above measurement.
- 5 The values given in this Calibration Certificate only relate to unit under test and the values measured at the time of the test. Any uncertainties will not include allowance for the equipment long term drift, variations with environment changes, vibration and shock during tranportation, overloading, mis-handling or the capability of a

Checked by :	_ Date : _	3-11-2021	_ Certified by : _	K.J. Zeung Date :	4.11-2021
CA-R-297 (22/07/2009)			Leung K	(wok Tai (Assistant Manage	er)
		** E	End of Report **	$\bigcirc$	



Page 1 of 1

### Report no.: 212769CA211755

# CALIBRATION CERTIFICATE OF SOUND LEVEL METER

**Client Supplied Information** 

Client : Fugro Technical Services Ltd.

Address : Room 723 & 725, 7/F., Block B Profit Industrial Building, 1-15 Kwai Fung Crescent, Kwai Chung, N.T. Project : Calibration Services

Details of Unit Under Test, UUT

Description

: Sound Level Meter

Manufacturer	:	Casella		
		Meter	Microphone	Preamplifier
Model No.		CEL-63X	CE-251	CEL-495
Serial No.	:	1488293	04064	004061
Equipment ID		N/A		
Next Calibration Date	:	25-Jul-2022		
Specification Limit	:	EN 61672-1: 2003 Class	: 1	

### Laboratory Information

Details of Reference Equipment -

Description	•	B & K Acoustic Multifunction Calibrator 4226 (Traditional free field setting)
Equipment ID.	:	R-108-1

Date of Calibration	:	26-Jul-2021	
<b>Calibration Location</b>	:	Calibration Laboratory of FTS	An
Method Used	:	By direct comparison	Re

Ambient Temperature	:	20±2 °C
Relative Humidity	:	<80% R.H.

#### **Calibration Results :**

Parameters		Mean Value (dB)	Specification Limit(c		Limit(dB)
	4000Hz	1.0	2.6	to	-0.6
	2000Hz	1.2	2.8	to	-0.4
Awaiathing	1000Hz	0.0	1.1	to	-1.1
A-weigthing	500Hz	-3.4	-1.8	to	-4.6
frequency	250Hz	-8.7	-7.2	to	-10.0
response	125Hz	-16.2	-14.6	to	-17.6
	63Hz	-26.1	-24.7	to	-27.7
	31.5Hz	-38.9	-37.4	to	-41.4
Differential level	94dB-104dB	0.3	± 0.6		
linearity	104dB-114dB	-0.3		± 0.6	6

#### **Remarks**:

- 1. The equipment used in this calibration is traceable to recognized National Standards.
- 2. The mean value is the average of four measurements.
- 3. The expanded uncertainty is 0.3 dB with a coverage factor of 2 at a confidence level of 95%.
- 4. For calibration: Reference SPL are 94, 104 & 114dB, range setting is 20-140dB & time weighting is fast
- 5. The UUT does comply with EN 61672-1: 2003 Class 1 sound level meter for the above measurement.
- 6. The values given in this Calibration Certificate only relate to unit under test and the values measured at the time of the test. Any uncertainties will not include allowance for the equipment long term drift, variations with environment changes, vibration and shock during transportation, overloading, mis-handling or the capability of any other laboratory to repeat the measurement.

Checked by :	_ Date :	<u> 30 – 1 – 2021</u> Certified by :	K J. Loung	Date :	30-7-2021
CA-R-297 (22/07/2009)		Leung	g Kwok Tai (Assistan	t Manager	r)
		** End of Report *	**		

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Report no.: 212769CA212463

Page 1 of 1

# CALIBRATION CERTIFICATE OF SOUND LEVEL METER

**Client Supplied Information** 

Client : Fugro Technical Services Ltd. Project : Calibration Services

### Details of Unit Under Test, UUT

Description	:	Sound Level Meter		
Manufacturer	:	Casella		
		Meter	Microphone	Preamplifier
Model No.	1	CEL-63X	CE-251	CEL-495
Serial No.	:	4181568	03133	003967
Equipment ID	:	N/A		
Next Calibration Date	:	27-Oct-2022		
Specification Limit	:	EN 61672-1: 2003 Class	; 1	

### Laboratory Information

Details of Reference Equipment -

Description :		B & K Acoustic Multifunction Calib	rator 4226 (Traditional fi	ree	field setting)
Equipment ID. :		R-108-1			
Date of Calibration		28-Oct-2021			
	•	Calibration Laboratory of FTS	Ambient Temperature	:	20±2 °C
		By direct comparison	Relative Humidity	:	<80% R.H.

### Calibration Results :

Parameters		Mean Value (dB)	Specific	ation	Limit(dB)
	4000Hz	1.6	2.6	to	-0.6
	2000Hz	1.4	2.8	to	-0.4
A-weigthing	1000Hz	0.1	1.1	to	-1.1
frequency	500Hz	-3.3	-1.8	to	-4.6
response	250Hz	-8.6	-7.2	to	-10.0
	125Hz	-16.1	-14.6	to	-17.6
	63Hz	-26.1	-24.7	to	-27.7
Differential level linearity	94dB-104dB	0.1		± 0.6	3
	104dB-114dB	0.0		± 0.6	3

### Remarks :

- 1. The equipment used in this calibration is traceable to recognized National Standards.
- 2. The mean value is the average of four measurements.
- 3. For calibration: Reference SPL are 94, 104 & 114dB, range setting is 20-140dB & time weighting is fast
- 4. The UUT does comply with EN 61672-1: 2003 Class 1 sound level meter for the above measurement.
- 5 The values given in this Calibration Certificate only relate to unit under test and the values measured at the time of the test. Any uncertainties will not include allowance for the equipment long term drift, variations with environment changes, vibration and shock during tranportation, overloading, mis-handling or the capability of :

Checked by :	🖌 Date : _	3-11-2021	_ Certified by : _	K.T. Leung	_Date : _	4.11.2021
CA-R-297 (22/07/2009)			Leung I	Kwok Tai (Assistan	it Manager)	
		** [	End of Report **			

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Report no.: 212769CA212069(3)

# **CALIBRATION CERTIFICATE OF SOUND CALIBRATOR**

Page 1 of 1

Client : Fugro Technical Services Ltd.

**Project : Calibration Services** 

### **Client Supplied Information**

Details of Unit Under Test, UUT

Description		: 8	Sound Calibrator
Manufacturer		: (	Casella (Model CEL-120/1)
Serial No.		: 2	2383707
Equipment ID		: 1	N/A
Next Calibration Date	:	25-A	Aug-2022
Specification Limit	:	ΕN	60942: 2003 Class 1

### Laboratory Information

### Details of Calibration Equipment

Description :	Reference Sound level meter	
Equipment ID. :	R-119-2	
Date of Calibration :	26-Aug-2021	
Calibration Location :	Calibration Laboratory of FTS	
Method Used :	By direct comparison	

Ambient Temperature : 20±2 °C Relative Humidity : <80% R.H.

### **Calibration Results :**

Parameters (Setting of UUT)	Mean Value (error of measurement)	Specification Limit(dB)
94dB	-0.4 dB	±0.4dB
114dB	-0.3 dB	±0.40B

### **Remarks**:

- 1. The equipment used in this calibration is traceable to recognized National Standards.
- 2. The mean value is the average of four measurements.
- 3. The unit under test complies with the specification limit.
- 4. The values given in this Calibration Certificate only relate to the unit-under-test and the values measured at the time of the test. Any uncertainties quoted will not include allowances for the environmental changes, variation and shock during transportation, or the capability of any other laboratory to repeat the measurement.

Checked by : Carmy	Date : <u>27 - 8 - 202</u> Certified	d by: KThenng Date: 27-8-2021
CA-R-297 (22/07/2009)		Leung Kwok Tai (Assistant Manager)
	2012/01/2 (0012/01 (0012/01/01/01/01/01/01/01/01/01/01/01/01/01/	10 - 500 C M



Page 1 of 1

Fugro Development Centre 5 Lok Yi Street, Tai Lam Tuen Mun, NT Hong Kong

Report no.: 212769CA211663

# **CALIBRATION CERTIFICATE OF SOUND CALIBRATOR**

Client : Fugro Technical Services Ltd.

Project : Calibration Services

#### **Client Supplied Information**

#### **Details of Unit Under Test, UUT**

Description		:	Sound Calibrator
Manufacturer		:	Casella (Model CEL-120/1)
Serial No.		:	2383886
Equipment ID		•	N/A
Next Calibration Date	:	15	-Jul-2022
Specification Limit	:	ΕN	l 60942: 2003 Class 1

#### Laboratory Information

#### **Details of Calibration Equipment**

Description :	Reference Sound level meter		
Equipment ID. :	R-119-2		
Date of Calibration :	16-Jul-2021		
Calibration Location :	Calibration Laboratory of FTS	Ambient Temperature: 20±2 °C	
Method Used :	By direct comparison	Relative Humidity : <80% R.H.	

#### **Calibration Results :**

Parameters (Setting of UUT)	Mean Value (error of measurement)	Specification Limit(dB)
94dB	0.3 dB	±0.4dB
114dB	0.4 dB	±0.40B

#### Remarks :

- 1. The equipment used in this calibration is traceable to recognized National Standards.
- 2. The mean value is the average of four measurements.
- 3. The expanded uncertainty is 0.3 dB with a coverage factor of 2 at a confidence level of 95%.
- 4. The unit under test complies with the specification limit.
- 5. The values given in this Calibration Certificate only relate to the unit-under-test and the values measured at the time of the test. Any uncertainties quoted will not include allowances for the environmental changes, variation and shock during transportation, or the capability of any other laboratory to repeat the measurement.

Checked by :	_ Date :_	<u>20-7-202</u> Certified by :_	r J. Jenn	9 Date : 20-7-2021
CA-R-297 (22/07/2009)		Leun	g Kwok Tai (Assi	/ stant Manager)



Page 1 of 1

Fugro Development Centre 5 Lok Yi Street, Tai Lam Tuen Mun, NT Hong Kong

Report no.: 212769CA211664

### **CALIBRATION CERTIFICATE OF SOUND CALIBRATOR**

Client : Fugro Technical Services Ltd. Project : Calibration Services

#### **Client Supplied Information**

#### Details of Unit Under Test, UUT

Description		: Sound Calibrator
Manufacturer		: Casella (Model CEL-120/1)
Serial No.		: 5230758
Equipment ID		: N/A
Next Calibration Date	:	15-Jul-2022
Specification Limit	:	EN 60942: 2003 Class 1
Equipment ID Next Calibration Date	:	: N/A 15-Jul-2022

### Laboratory Information

#### **Details of Calibration Equipment**

Description :	Reference Sound level meter	
Equipment ID. :	R-119-2	
Date of Calibration :	16-Jul-2021	
Calibration Location :	Calibration Laboratory of FTS	Ambient Temperature : 20±2 °C
Method Used :	By direct comparison	Relative Humidity : <80% R.H.

#### **Calibration Results :**

Parameters (Setting of UUT)	Mean Value (error of measurement)	Specification Limit(dB)	
94dB	-0.2 dB	±0.4dB	
114dB	-0.2 dB	±0.4dB	

### Remarks :

- 1. The equipment used in this calibration is traceable to recognized National Standards.
- 2. The mean value is the average of four measurements.
- 3. The expanded uncertainty is 0.3 dB with a coverage factor of 2 at a confidence level of 95%.
- 4. The unit under test complies with the specification limit.
- 5. The values given in this Calibration Certificate only relate to the unit-under-test and the values measured at the time of the test. Any uncertainties quoted will not include allowances for the environmental changes, variation and shock during transportation, or the capability of any other laboratory to repeat the measurement.

Checked by :	Com	_ Date :_	20-7-202	Certified by :	K.T. Lung	Date : 20-7-20-7
CA-R-297 (22/07/20	009)		, ,	Leung	g Kwok Tai (Assist	tant Manager)



Report no.: 212769CA211553(1)

# **CALIBRATION CERTIFICATE OF SOUND CALIBRATOR**

Page 1 of 1

Client : Fugro Technical Services Ltd.

Project : Calibration Services

### **Client Supplied Information**

Details of Unit Under Test, UUT

Description		: Sound Calibrator	
Manufacturer		: Casella (Model CEL-12)	C/1)
Serial No.		: 5230950	
Equipment ID		: N/A	
Next Calibration Date	:	05-Jul-2022	
Specification Limit	:	EN 60942: 2003 Class 1	

### Laboratory Information

Details of Calibration Equipment

Description	:	Reference Sound level meter		
Equipment ID. :		R-119-2		
Date of Calibration	:	06-Jul-2021		
Calibration Location :		Calibration Laboratory of FTS		
Method Used	:	By direct comparison		

Ambient Temperature : 20±2 °C Relative Humidity : <80% R.H.

### **Calibration Results :**

Parameters (Setting of UUT)	Mean Value (error of measurement)	Specification Limit(dB)	
94dB	-0.4 dB	±0.4dB	
114dB	-0.3 dB	±0.40D	

### **Remarks**:

- 1. The equipment used in this calibration is traceable to recognized National Standards.
- 2. The mean value is the average of four measurements.
- 3. The unit under test complies with the specification limit.
- 4. The values given in this Calibration Certificate only relate to the unit-under-test and the values measured at the time of the test. Any uncertainties quoted will not include allowances for the environmental changes, variation and shock during transportation, or the capability of any other laboratory to repeat the measurement.

Checked by :	Lillion Date: 7-7-2021 Certified by: KJ. Joung Date: 7-7-2071	
CA-R-297 (22/07/2009)	Leung Kwok Tai (Assistant Manager)	
	** End of Report **	

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Fugro Development Centre, 5 Lok Yi Street, Tai Lam, Tuen Mun, N.T., Hong Kong. Tel : +852 2450 8233 Fax : +852 2450 6138 E-mail : matlab@fugro.com Website : www.fugro.com



Appendix E

Environmental Monitoring Schedules, Examination Schedules and Arrangements on Deferral of Class Resumption for All Schools

Saturday
5 20,
5 20,
5 20,
5 20,
5 20,
5 20,
101 
17 18
24 25
31
12
520,
MS : MS

Remark 1. Actual monitoring may be subjected to change due to any safety concern or adverse weather condition.

2. The Impact Air Monitoring Stations to be monitored should be selected based on the prevailing wind direction and their proximity to the active construction works.

3. According to the Hong Kong Observatory, anticipated wind directions in December 2021 are north, northeast and east.

4. According to the Contractor, the anticipated major construction activities in the reporting month includes:

(1) Tree Preservation, Felling, Pruning, Transplantation in Zone 1, 2 and 3.

(2) Trial Pits Excavation in Zone 1 and 2.

(3) Road Surface Maintenance in Zone 1, 2, 3, 4 and 5.

(4) Noise Barrier Foundation Works in Zone 1, 2, 4 and 5.

(5) Noise Barrier Erection Works in Zone 1 and 2.

(6) Road Reconstruction Works, Sheet Pile Removal and Lane Shifting Works in Zone 1 and 2.

(7) Construction, Diversion of Underground Utilities, including ELS works and Sheet Piling in Zone 3.

(8) Foundation Works for Lift in Zone 3.

(9) FRP Platform Erection in Zone 3.

(10) Retaining Wall and Lagging Wall Construction Works in Zone 3.
 (11) Construction of Cycle Track Subway, Pump Room and Stem Wall Construction Works in Zone 3.

(12) Demolition of Existing Parapet in Zone 3.

(13) Pre Bore H Pile Construction Works and Steel Works Installation for Lift in Zone 3.

(14) Profile Barrier, Stem Wall Construction Works and Foundation Works for SR2 in Zone 3.

(15) Construction Works for N263 & N264 Bridge Deck Widening and SR6 Temporary Widening in Zone 3.

(16) ELS Works at SHA for Widening of SR3 in Zone 3.

(17) Removal of Existing Sign Gantries in Zone 3.

(18) Additional Height Restriction Gantries Erection in Zone 3.

(19) NF40 Footbridge Construction Works in Zone 4.

(20) Erection of 7m Height Fencing and Protection Measure for MTRC Railway in Zone 4.

(21) Mini Pile Construction Works in Zone 5.

(22) Stem Wall and Drainage Construction Works in Zone 5.

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
							1
	2	3	4	5	6	7	8
				AMS5 Tin Liu AMS7A Sheung Wo Che AMS14 Ha Wo Che AMS15 Ha Wo Che			
				NMS 1, NMS 2, NMS 3, NMS 4, NMS 5A, NMS 6A, NMS 7, NMS 15, NMS 16, NMS 18,NMS 23, NMS 27	NMS 13, NMS 14, NMS17, NMS 19, NMS 20, NMS 24, NMS 25A, NMS 26		
	9	10		12	13	14	15
			AMS5 Tin Liu AMS7A Sheung Wo Che AMS14 Ha Wo Che AMS15 Ha Wo Che				
Jan-22			NMS 1, NMS 2, NMS 3, NMS 4, NMS 5A, NMS 6A, NMS 7, NMS 15, NMS 16, NMS 18,NMS 23, NMS 27	NMS 13, NMS 14, NMS17, NMS 19, NMS 20, NMS 24, NMS 25A, NMS 26			
	16	17 AMS5 Tin Liu	18	19	20	21	22 AMS5 Tin Liu
		AMS7A Sheung Wo Che AMS14 Ha Wo Che AMS15 Ha Wo Che					AMS7A Sheung Wo Che AMS14 Ha Wo Che AMS15 Ha Wo Che
			NMS 13, NMS 14, NMS17, NMS 19, NMS 20, NMS 24, NMS 25A, NMS 26				
	23	24	25	26	27		29
						AMS5 Tin Liu AMS7A Sheung Wo Che AMS14 Ha Wo Che AMS15 Ha Wo Che	
						NMS 1, NMS 2, NMS 3, NMS 4, NMS 5A, NMS 6A, NMS 7, NMS 15, NMS 16, NMS 18,NMS 23, NMS 27	NMS 8, NMS9, NMS 10A, NMS 11, NMS 12, NMS 13, NMS 14, NMS17, NMS 19, NMS 20, NMS 24, NMS 25A, NMS 26
	30	31					
			safety concern or adverse weather condition				

Remark 1. Actual monitoring may be subjected to change due to any safety concern or adverse weather condition.

2. The Impact Air Monitoring Stations to be monitored should be selected based on the prevailing wind direction and their proximity to the active construction works.

3. According to the Hong Kong Observatory, anticipated wind directions in January 2022 are north and northeast.

4. According to the Contractor, the anticipated major construction activities in the reporting month includes:

(1) Tree Preservation, Felling, Pruning, Transplantation in Zone 1, 2 and 3.

(2) Trial Pits Excavation in Zone 1 and 2.

(3) Road Surface Maintenance in Zone 1, 2, 3, 4 and 5.

(4) Noise Barrier Foundation Works in Zone 1, 2, 4 and 5.

(5) Noise Barrier Erection Works in Zone 1 and 2.

(6) Road Reconstruction Works, Sheet Pile Removal and Lane Shifting Works in Zone 1 and 2.

(7) Mini Pile Construction Works in Zone 1, 2 and 5.

(8) Construction, Diversion of Underground Utilities, including ELS works and Sheet Piling in Zone 3.

(9) FRP Platform Erection in Zone 3.

(10) Retaining Wall and Lagging Wall Construction Works in Zone 3.

(11) Construction of Cycle Track Subway, Pump Room and Stem Wall Construction Works in Zone 3.

(12) Demolition of Existing Parapet in Zone 3.

(13) Pre Bore H Pile Construction Works and Steel Works Installation for Lift in Zone 3.

(14) Profile Barrier, Stem Wall Construction Works and Foundation Works for SR2 in Zone 3. (15) Construction Works for N263 & N264 Bridge Deck Widening and SR6 Temporary Widening in Zone 3.

(16) ELS Works at SHA for Widening of SR3 in Zone 3.

(17) Removal of Existing Sign Gantries in Zone 3.

(18) NF40 Footbridge Construction Works in Zone 4.

(19) Stem Wall and Drainage Construction Works in Zone 5.

Room 723 & 725, 7/F, Block B,
Profit Industrial Building,
1-15 Kwai Fung Crescent, Kwai Fong,
Hong Kong

Tel : (852)-24508238 Fax : (852)-24508032 Email : mcl@fugro.com



# Project: Road Widening and Retrofitting Noise Barriers on Tai Po Road (Sha Tin Section)

# **Regular Night Time Noise Monitoring Schedule (December 2021)**

Sun	Mon	Tue	Wed	Thu	Fri	Sat
			1	2	3	4
				Regular night time noise monitoring		
5	6	7	8	9	10	11
				Regular night time noise monitoring		
12	13	14	15	16	17	18
				Regular night time noise monitoring		
19	20	21	22	23	24	25
				Regular night time noise monitoring		
26	27	28	29	30	31	
				Regular night time noise monitoring		

### Remarks

- 1. Due to safety concern, 2 staffs will carry out the night time noise monitoring together at all 21 monitoring stations on the same monitoring night of each week.
- 2. Actual monitoring schedule may be subjected to change due to any safety concern or adverse weather condition.

Room 723 & 725, 7/F, Block B,
Profit Industrial Building,
1-15 Kwai Fung Crescent, Kwai Fong,
Hong Kong

Tel : (852)-24508238 Fax : (852)-24508032 Email : mcl@fugro.com



# Project: Road Widening and Retrofitting Noise Barriers on Tai Po Road (Sha Tin Section)

# **Tentative Regular Night Time Noise Monitoring Schedule (January 2022)**

Sun	Mon	Tue	Wed	Thu	Fri	Sat
						1
2	3	4	5	6 Regular night time	7	8
9	10	11	12	noise monitoring	14	15
				Regular night time noise monitoring		
16	17	18	19	20 Regular night time noise monitoring	21	22
23	24	25	26	27 Regular night time noise monitoring	28	29
30	31					

### Remarks

- 1. Due to safety concern, 2 staffs will carry out the night time noise monitoring together at all 21 monitoring stations on the same monitoring night of each week.
- 2. Actual monitoring schedule may be subjected to change due to any safety concern or adverse weather condition.

# 沙田崇真學校 2021-22年度校曆表 27/8/2021更新

						1		د 22 - 2021					-				2//8/2021 更新
	Ħ	١		Ξ	四	五	六	假期/事項		Ħ	١		11	四	五	六	假期/事項
				1	2	3	4	上學期開始(1/9)							1	2	家長日(2/4)
九	5	6	7	8	9	10	11	P.2-6半天上課(1-8/9) P.1半天上課(1-10/9)	四	3	4	X	6	7	8	9	清明節(5/4)
	12	13	14	15	16	17	18			10	X	K	)\$	M	X	)6	福音周及復活節崇拜(7-8/4) 復活節假期(11/4-19/4)
月	19	20	21	×	23	24	25	中秋節翌日(22/9)	月	X	×	X	20	21	22	23	
	26	27	28	29	30					24	25	26	27	28	29	30	編排日(28/4)校慶崇拜及晚會(29/4)
				-		X	2	國慶日(1/10)		1	X	3	4	5	6	7	勞動節(1/5)勞動節補假(2/5)
+	3	4	5	6	7	8	9		五	8	X	10	11	12	13	14	零功課日(5/5) 佛誕補假(9/5)
	10	11	12	13	$\mathbf{M}$	15	16	5 1 m - (11 /10) & 2 k (11 /10)		15	16	17	18	19	20	21	
月	17	18	19	20	21	22	23	零功課日(11/10)重陽節(14/10)	月	22	23	24	25	26	27	28	
	24	25	26	27	28	29	30			29	30	<u>31</u>					預考周(23/5-30/5)
	31																一至六年級考試(31/5-7/6)
		1	2	3	4	5	6						<u>1</u>	2	X	4	
+	7	8	9	10	11	12	13	預考周(8/11-16/11)	六	5	<u>6</u>	<u>7</u>	8	9	10	11	端午節(3/6)
_	14	15	16	<u>17</u>	<u>18</u>	<u>19</u>	20	頂弓周(0/11-10/11) 一至六年級考試(17/11-23/11)		12	13	14	15	16	17	18	全港性系統評估(8-9/6)
月	21	<u>22</u>	<u>23</u>	24	25	26	27		月	19	20	21	22	23	24	25	教師專業發展日(13/6) 畢業禮(30/6)
	28	29	30							26	27	28	29	30			₩ 未位(30/0)
				1	2	3	4	全方位活動日(2/12)							$\mathbf{X}$	2	香港特區成立紀念日(1/7)
+	5	6	7	8	9	10	11	學校假期(3/12)	セ	3	4	5	6	7	8	9	
-	12	13	14	15	16	17	18			10	11	12	13	14	15	36	教師專業發展日(15/7)
月	19	20	21	ZZ	23	24	25	聖誕崇拜(17/12) 立法會選舉翌日假期(20/12)	月	X	<b>1</b> 8	10	20	24	22	23	暑假(16/7-31/8)
	26	X	28	$\leftarrow$	$\leftrightarrow$	$\left( \rightarrow \right)$		陸運會(21/12) 聖誕及新年假期(22/12-2/1)		24	25	26	$\left( \rightarrow \right)$	$\left( \rightarrow \right)$	$\leftarrow$	30	
		$ \frown $	$ \bigtriangleup $	$ \bigtriangleup $	$ \frown $					3							
							X				X	X	X	¥	X	X	
二零	X	3	4	5	6	7	8	六年級教育營(3-5/1)	ᆺ	$\overline{\mathbf{X}}$	×	$\mathbf{x}$	10	X	12	X	
+ =	9	10	11	12	13	14	15	一至五級專題研習周(3-6/1) 教師專業發展日(7/1)		×	15	16	X	18	10	20	
二 左	16	17	18	19	20	21	22	P.6家長日(8/1) P.1-5家長日(15/1)	月	21	32	23	24	25	26	X	
年一	23	24	25	26	27	28	<hr/>	零功課日(19/1)		28	29	30	X	$ \land $			
月	30	X					· ``	跨學科活動日(27/1)		$\vdash$							
			$\mathbf{X}$	$\mathbf{\mathbf{Y}}$	X	X	x		緣	色差	<b>-</b> 马半	 天上	課	E	橙	色為	<b>5</b> 延伸學習活動課(周三)
=	X	X	$\bigotimes$	<u>9</u>	10	11	12	農曆新年假期(28/1-8/2) 下學期開始(9/2)		色差			-			-	· · · · · · · /
	13	14	15	16	17	18	19		本	年度	き上	課日	數	: 19	0日		
月	20	21	22	<u>23</u>	24	<u>25</u>	26	預考周(14/2-22/2) 六年級報分試(23/2-1/3) 一至五年級主科考試(28/2-1/3)		校佣	-						
	27	28						土工+救土村方訊(20/2-1/3)		校自					a) •	01	n
			1	2	3	4	5			六月						01	
Ξ	6	7	8	9		11			-	·計:			. ~	2	. •		
		14		16				學校旅行(17/3)	$\left \right>$			段期					學校自決假期
月		21	22	23		25		學校假期(18/3)	7.	r1 12	61	<b>5/</b> 7	教師	專業	業發	展日	
		28	29		31	-		學校籌款日(27/3) 學校假期(28/3)		V	V						
		<u>/</u> 界?					幺	学校很知(20/3) 周址:www.stts.edu.hk	1	電話	: 34	576	3344	1	,	傳直	: 2609 0597
						п,			4	<u>م</u> ات م						• • •	
	あび	F 4	<b>π </b> <i>Υ</i> .		1. 9.00	+ +		<b>校長簽署:</b>								F	1 期:27-8-2021

校長姓名:洪細君女士 校長簽署:\_\_\_\_\_

日期:<u>27-8-2021</u>

聖公會主風小學 2021-2022 年度上學期校曆表

週次	月份			星	<u> </u>	期			行事要項	假期日
		H	<b>_</b>		<u> </u>	匹	Ŧī.	六		重數
(1)	2021				1*	2	3	4	1/9 上學期開學日	
(2)	九	5	6	7	8	9	10	11		
3	月	12	13	14	15	16	17	18		
<b>4</b>		19	20	21*	22	23	24	25	21/9教師專業發展日 22/9中秋節翌日	1
5		26	27	28	29	30				
							1	2	1/10 國慶日	1
6	+	3	4	5	6	7	8	9		
7	月	10	11	12	13	14	15	16	14/10 重陽節	1
8		17	18	19	20	21	22	23		
9		24	25	<u>26</u>	<u>27</u>	<u>28</u>	<u>29</u>	30	26/10-29/10 進展性評估(J.2-J.5)/呈分試(J.6)	
10		31								
			1	2	3	4	5	6		
11	+	7	8	9	10	11	12*	13	12/11 第十四屆陸運會	
12		14	15	16	17	18	19	20*	20/11 上學期家長日、J.6 家長會	
13	月	21	22	23	24	25	26	27		
(14)		28	29	30						
					1	2	3	4		
15	+	5	6	7	8	9*	10	11	9/12教師專業發展日	
16		12	<u>13</u>	<u>14</u>	<u>15</u>	<u>16</u>	17	18	13/12-16/12 上學期學期試	
(17)	月	19	20	21	22	23	24	25	20/12 選舉日翌日	1
									21/12/2021-1/1/2022 聖誕及新年假期	5
(18)	2022	26	27	28	29	30	31	1		6
	2022	2	2	4	F	(	7	1		1
<b>19</b> (20)		2	3	4	5	6	7	8		
(20)	月	9	10	11	12	13	14	15	1月11 〒 樹田目山	
				18			21	22	17/1 下學期開始 26/1 - 28/1 教育祭(16) - 27/1 旅行日(11 15)	
		23 30	24 31	23	26*	<i>L</i>	20	29	26/1-28/1 教育營(J.6) 27/1 旅行日(J.1-J.5) 31/1-10/2 農曆新年假期	1
		30	51	1	2	3	4	5		1 5
	一月	6	7	1 8	2 9	-		-		5 5
	月	6 13	/	_		10	11	12 19		Э
ل <u>حديا</u>	. –	13 175 <del>4</del>		<u>15</u>	16	17 == #==	18			
附註	• 🗆	]代表	て作文具	Я	*代	农村	<b>別</b> 争	Ħ.		

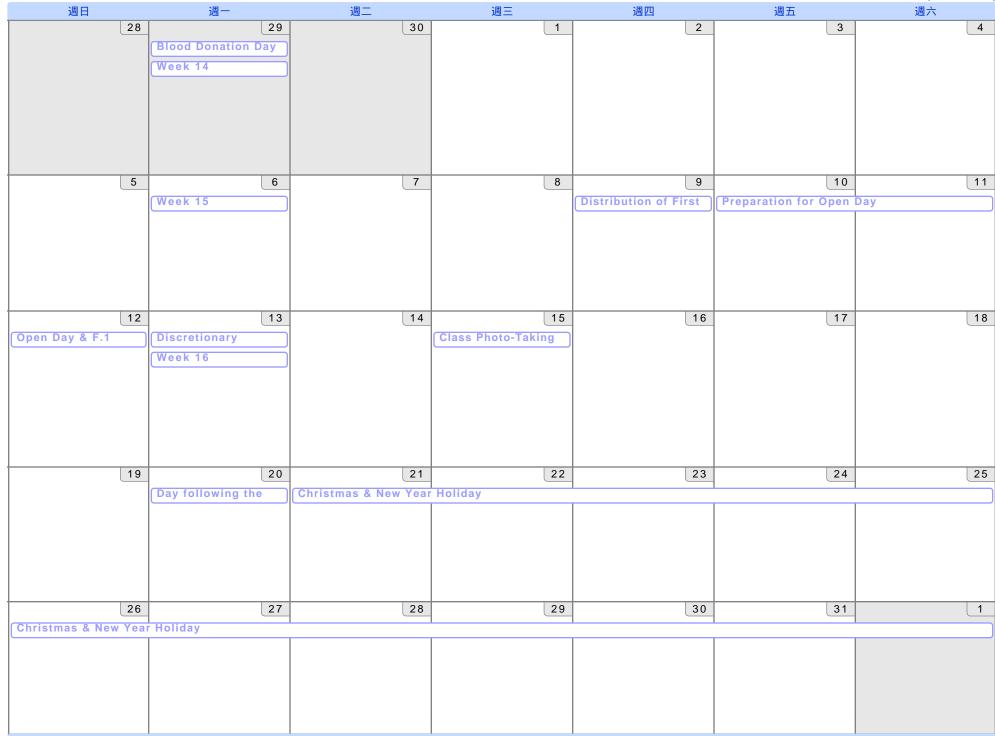
附註:□代表假期 ★代表特別事宜

## 培英中學2021至2022年度校曆表

		H	1	11	Ξ	四	五	六	假期及注意事項
週	へ		(16)	(17)	(18)	(19)	(20)	(21)	
文		. ,							
	月	(22)	(23)	(24)	(25)	(26)	(27)	(28)	
					Sept				(1/9)開學禮
1	九	(29)	(30)	(31)	1	2	3	4	(2/9)正式上課
2		5	6	7	8	9	10	11	(10/9)開學崇拜會
3		12	13	14	15	16	17	18	(13/9)中一至中四學生開始繳交周記 (14/9)各班拍攝學生相片
-									(13-17/9)藝術周
4		19	20	21	(22)	23	24	25	(22/9) <b>中秋節翌日假期</b> (24/9)學生會候選內閣論壇
	月						Oct		(27-30/9)學生會網上選舉
5		26	27	28	29	30	(1)	2	(27-30/9)個人社會及人文領域周 (1/10)國慶日假期
6	+	3	4	5	6	7	8	9	(0/10)チザッサレナムレナコ
7	1	10	11	12	13	(14)	15	16	(9/10)香港培英校友會校友日 (14/10)重陽節假期 (15/10)教師專業發展日(1)
							)		(14/10)重爾即假始 (15/10) 叙明母亲领校日(1)
8	月	17	18 25T	19 26T	20	21 20T	22 20T	23	
9		24	25 <sup>T</sup>	26 <sup>т</sup>	27 <sup>т</sup>	28 <sup>т</sup>	29 <sup>т</sup>	30	(25-29/10)中一至中六級統一測驗
10	+	21	Nov		2	4	F	(	(1/11)第六十一屆陸運會 (2/11)陸運會翌日假期
10	٦	31	1	(2)	3	4	5		(5/11)學生領袖就職典禮 (8-12/11)數學周
11	_	7	8	9	10	11	12	$13^{ riangle}$	(0-12/11)) 数字网 (13/11下午)家長教師會第二十四屆會員大會
12		14	15	16	17	18	19	20	
	月				- ,				(21/11)南區中學巡禮
13	~	21	22	23	24	25	26	27	(22-26/11)敬師周 (26/11)師生聯谊日
					Dec				
14	+	28	29	30	1	2	$3^{ riangle}$	4	(3/12)全方位學習日
15		5	6	7	8	9	10	11	(6-10/12)英語周 (7/12)拍攝畢業照及班相
_	11	-			-	-	-		(11/12)中西南區小學數學比賽
16		12	13	14	15	16	17	18	(14-16/12)中六級校外模擬考試
1.	月	10	(20)	(21)		(22)	(2.0)		(17/12)聖誕崇拜及慶祝會
17		19	(20)	(21)	(22)	(23)	(24)		(20/12)立法會選舉翌日假期 (21/12-1/1)聖誕及新年假期共12天
18	_	(26)	(27)	(28)	(29)	(30)	(31)	Jan	(21-24,28-30/12)中六級補課
10		2	3	4	5	6	( <b>51</b> ) 7 <sup>E</sup>		<ul><li>(21-24,26-30/12) + 八級補課</li><li>(7-18/1) 中一至中五級上學期期考共8天 (7-20/1) 中六級畢業試</li></ul>
20		9	10 <sup>E</sup>	-11 <sup>E</sup>	12 <sup>E</sup>	13 <sup>E</sup>	, 14 <sup>E</sup>	15	(
		,	10	11	12		14	1.5	(19-21/1)中一至中五級試後回饋日
21		16	17 <sup>E</sup>	18 <sup>e</sup>	19 <sup>E</sup>	20 <sup>E</sup>	21	22	(19-21/1)+一至+五級武後回領口 (21/1-10/3)中六級試後上課 (21/1下午)中五級學習概覽講座
	月							<b>a</b> ^	(),,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
22		23	24	25	26	27	28	29	(24-26/1)中一至中五級溫習及補考
				FEB					
23	-1	30	(31)	(1)	(2)	(3)	(4)	(5)	(31/1-12/2)農曆新年假期共13天
24		(6)	(7)	(8)	(9)	(10)	(11)	(12)	
25		13	14	15	16	17	(18)	19	(14/2)下學期開始
		-		_			)		(14-17/2)中華文化周 (18/2)區會中、小、幼聯校教師發展日
									(25/2)區會中、小、幼聯校教師發展日(後備)
26	P	20	21	22	23	24	25	26	(21/2)中一至中四級學生開始繳交周記 (21-25/2)福音周
	月								(21-25/2)福首周 (25/2)佈道會

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0011						

2021年12月 (香港標準時間)



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Appendix F

Air Quality Monitoring Data

				1-hour TSP (	(µg/m³)			
Date	Start Time	1st hr	2nd hr	3rd hr	Average	Action Level	Limit Level	Weather
02-Dec-21	16:58	53	55	43	50			Fine
08-Dec-21	08:14	43	42	45	43			Fine
14-Dec-21	11:16	62	60	57	60	348	500	Fine
20-Dec-21	12:02	39	39	38	39	340	500	Fine
24-Dec-21	10:04	48	49	46	48			Sunny
30-Dec-21	10:11	45	43	42	43			Fine
	Average		47					
	Max		62					
	Min		38					

#### AMS 4A - Wai Wah Centre (Site Boundary)

#### AMS 7A - Sheung Wo Che

				1-hour TSP (	μg/m³)			
Date	Start Time	1st hr	2nd hr	3rd hr	Average	Action Level	Limit Level	Weather
02-Dec-21	10:46	52	42	50	48			Fine
08-Dec-21	16:01	47	49	46	47			Fine
14-Dec-21	16:25	66	67	68	67	344	500	Fine
20-Dec-21	16:50	40	40	40	40	344	500	Fine
24-Dec-21	08:55	50	47	46	48			Sunny
30-Dec-21	12:00	38	38	43	40			Fine
	Average		48					
	Max		68					
	Min		38					

#### AMS 12 - Fung Wo Estate

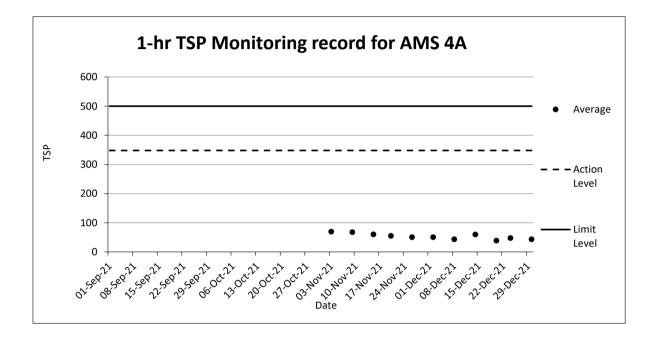
				1-hour TSP (	µg/m³)			
Date	Start Time	1st hr	2nd hr	3rd hr	Average	Action Level	Limit Level	Weather
02-Dec-21	17:34	45	51	52	49			Fine
08-Dec-21	10:53	45	45	42	44			Fine
14-Dec-21	09:49	82	79	87	83	296	500	Fine
20-Dec-21	12:39	40	42	37	40	230	500	Fine
24-Dec-21	14:42	48	46	48	47			Sunny
30-Dec-21	15:47	43	45	46	45			Fine
	Average		51					
	Max		87					
	Min		37					

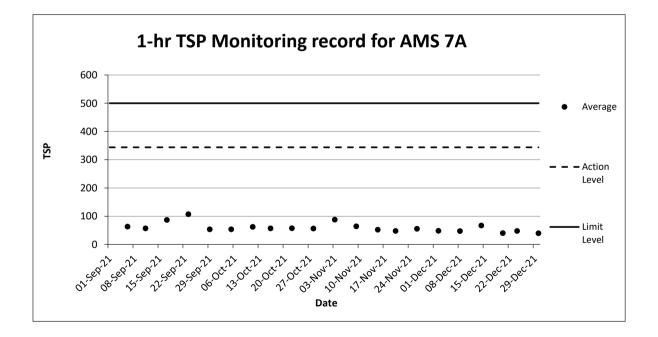
#### AMS 17 - Wo Che Estate

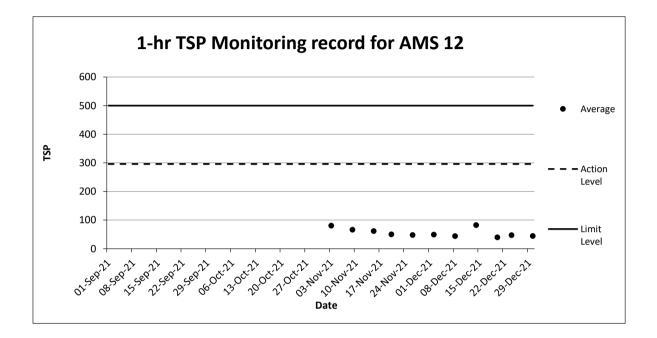
				1-hour TSP (	μg/m³)			
Date	Start Time	1st hr	2nd hr	3rd hr	Average	Action Level	Limit Level	Weather
02-Dec-21	09:18	54	56	56	55			Fine
08-Dec-21	14:40	39	44	44	42			Fine
14-Dec-21	12:07	72	72	69	71	338	500	Fine
20-Dec-21	11:22	43	41	35	40		500	Fine
24-Dec-21	10:29	51	46	46	48			Sunny
30-Dec-21	12:32	49	48	49	49			Fine
	Average		51					
	Max		72					
	Min		35					

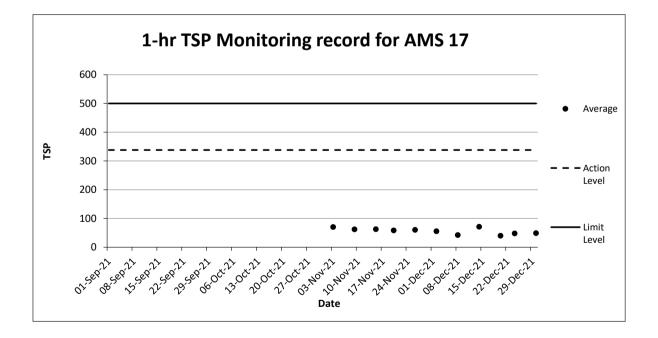
Remark 1. Actual monitoring may be subjected to change due to any safety concern or adverse weather condition.

2. The Impact Air Monitoring Stations to be monitored should be selected based on the prevailing wind direction and their proximity to the active construction works.









MS 4A - Wai Wah Cent					
Date and Time	TSP Concentration (µg/m <sup>3</sup> )	Date and Time	TSP Concentration (µg/m <sup>3</sup> )	Date and Time	TSP Concentration (µg/m <sup>3</sup> )
02/12/2021 07:58	38	08/12/2021 08:14		14/12/2021 07:16	41
02/12/2021 08:58	36	08/12/2021 09:14		14/12/2021 08:16	45
02/12/2021 09:58	36	08/12/2021 10:14		14/12/2021 09:16	50
02/12/2021 10:58	39	08/12/2021 11:14		14/12/2021 10:16	49
02/12/2021 11:58	42	08/12/2021 12:14		14/12/2021 11:16	62
02/12/2021 12:58	48	08/12/2021 13:14		14/12/2021 12:16	60
02/12/2021 13:58	52	08/12/2021 14:14		14/12/2021 13:16	57
02/12/2021 14:58	48	08/12/2021 15:14		14/12/2021 14:16	52
02/12/2021 15:58	43	08/12/2021 16:14		14/12/2021 15:16	52
02/12/2021 16:58	53	08/12/2021 17:14	34	14/12/2021 16:16	48
02/12/2021 17:58	55	08/12/2021 18:14	34	14/12/2021 17:16	43
02/12/2021 18:58	43	08/12/2021 19:14	41	14/12/2021 18:16	52
02/12/2021 19:58	38	08/12/2021 20:14	34	14/12/2021 19:16	55
02/12/2021 20:58	46	08/12/2021 21:14	41	14/12/2021 20:16	57
02/12/2021 21:58	41	08/12/2021 22:14	42	14/12/2021 21:16	56
02/12/2021 22:58	32	08/12/2021 23:14	39	14/12/2021 22:16	53
02/12/2021 23:58	31	09/12/2021 00:14	48	14/12/2021 23:16	50
03/12/2021 00:58	34	09/12/2021 01:14	42	15/12/2021 00:16	39
03/12/2021 01:58	36	09/12/2021 02:14	41	15/12/2021 01:16	41
03/12/2021 02:58	38	09/12/2021 03:14	38	15/12/2021 02:16	42
03/12/2021 03:58	43	09/12/2021 04:14	38	15/12/2021 03:16	45
03/12/2021 04:58	52	09/12/2021 05:14	41	15/12/2021 04:16	43
03/12/2021 05:58	49	09/12/2021 06:14	36	15/12/2021 05:16	48
03/12/2021 06:58	45	09/12/2021 07:14		15/12/2021 06:16	45
Average	42	Average	39	Average	49
Action Level	200	Action Level		Action Level	200
Limit Level	260	Limit Leve	260	Limit Level	260
Date and Time	TSP Concentration (µg/m <sup>3</sup> )	Date and Time	TSP Concentration (µg/m <sup>3</sup> )	Date and Time	TSP Concentration (µg/m <sup>3</sup> )
20/12/2021 08:02	32	24/12/2021 08:04	42	30/12/2021 08:11	34
20/12/2021 09:02	31	24/12/2021 09:04	43	30/12/2021 09:11	34
20/12/2021 10:02	28				
20/12/2021 11:02	28	24/12/2021 10:04	48	30/12/2021 10:11	
		24/12/2021 10:04 24/12/2021 11:04		30/12/2021 10:11 30/12/2021 11:11	45
	28	24/12/2021 11:04	49	30/12/2021 11:11	45 43
20/12/2021 12:02	28 39	24/12/2021 11:04 24/12/2021 12:04	49 46	30/12/2021 11:11 30/12/2021 12:11	45 43 42
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Remark 1. Actual monitoring may be subjected to change due to any safety concern or adverse weather condition.

2. The Impact Air Monitoring Stations to be monitored should be selected based on the prevailing wind direction and their proximity to the active construction works.

S7A - Sheung Wo Che		_			_		
Date and Time	TSP Concentration (µg/m <sup>3</sup> )	ו ר	Date and Time	TSP Concentration (µg/m <sup>3</sup> )	1 1	Date and Time	TSP Concentration (µg/m <sup>3</sup> )
02/12/2021 07:46	45		08/12/2021 08:01	42		14/12/2021 07:25	39
02/12/2021 08:46	47		08/12/2021 09:01	38		14/12/2021 08:25	42
02/12/2021 09:46	42		08/12/2021 10:01	42		14/12/2021 09:25	49
02/12/2021 10:46	52		08/12/2021 11:01	39		14/12/2021 10:25	53
02/12/2021 11:46	42		08/12/2021 12:01	33		14/12/2021 11:25	43
02/12/2021 12:46	50		08/12/2021 13:01	43		14/12/2021 12:25	47
02/12/2021 13:46	40		08/12/2021 14:01	47		14/12/2021 13:25	64
02/12/2021 14:46	39		08/12/2021 15:01	46		14/12/2021 14:25	46
02/12/2021 15:46	33		08/12/2021 16:01	47		14/12/2021 15:25	50
02/12/2021 16:46	36		08/12/2021 17:01	49		14/12/2021 16:25	66
02/12/2021 17:46	35		08/12/2021 18:01	46		14/12/2021 17:25	67
02/12/2021 18:46	46		08/12/2021 19:01	47		14/12/2021 18:25	68
02/12/2021 19:46	40		08/12/2021 20:01	38		14/12/2021 19:25	59
02/12/2021 20:46	49		08/12/2021 21:01	39		14/12/2021 20:25	64
02/12/2021 20:40	46		08/12/2021 22:01	40		14/12/2021 21:25	52
02/12/2021 21:40	49		08/12/2021 23:01	40		14/12/2021 22:25	38
02/12/2021 22:46	38		09/12/2021 00:01	42		14/12/2021 22:23	40
03/12/2021 23:46	33		09/12/2021 01:01	38		15/12/2021 00:25	40
03/12/2021 00:46	40		09/12/2021 02:01	35		15/12/2021 00:25	43 52
03/12/2021 01:46	40		09/12/2021 02:01	33		15/12/2021 01:25	46
03/12/2021 02:46	49		09/12/2021 03:01	38		15/12/2021 03:25	50
	52			40			56
03/12/2021 04:46	42		09/12/2021 05:01	40 36		15/12/2021 04:25	63
03/12/2021 05:46			09/12/2021 06:01			15/12/2021 05:25	
03/12/2021 06:46	43 43	_	09/12/2021 07:01 Average	36 41	-	15/12/2021 06:25	53 52
Average	43			41		Average	52
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Limit Level Date and Time	171 260 TSP Concentration (μg/m³)		Action Level Limit Level Date and Time	171 260 TSP Concentration (μg/m³)		Limit Level Date and Time	260 TSP Concentration (μg/m³)
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Limit Level Date and Time 20/12/2021 07:50 20/12/2021 08:50	171 260 TSP Concentration (μg/m³) 31 32		Action Level Limit Level Date and Time 24/12/2021 07:55 24/12/2021 08:55	171 260 TSP Concentration (μg/m³) 47 50		Limit Level Date and Time 30/12/2021 08:00 30/12/2021 09:00	260 TSP Concentration (μg/m³) 35 39
Limit Level Date and Time 20/12/2021 07:50 20/12/2021 08:50 20/12/2021 09:50	171 260 TSP Concentration (μg/m³) 31 32 33		Action Level Limit Level Date and Time 24/12/2021 07:55 24/12/2021 08:55 24/12/2021 09:55	171 260 TSP Concentration (μg/m³) 47 50 47		Limit Level Date and Time 30/12/2021 08:00 30/12/2021 09:00 30/12/2021 10:00	260 TSP Concentration (µg/m³) 35 39 32
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Limit Level Date and Time 20/12/2021 07:50 20/12/2021 08:50 20/12/2021 10:50 20/12/2021 11:50 20/12/2021 12:50 20/12/2021 12:50 20/12/2021 13:50 20/12/2021 13:50 20/12/2021 13:50 20/12/2021 18:50 20/12/2021 18:50 20/12/2021 18:50 20/12/2021 19:50 20/12/2021 21:50 20/12/2021 21:50 20/12/2021 21:50 20/12/2021 21:50 20/12/2021 21:50 20/12/2021 21:50 20/12/2021 21:50 21/12/2021 01:50 21/12/2021 01:50 21/12/2021 02:	171 260 TSP Concentration (μg/m <sup>*</sup> ) 31 32 33 38 35 33 36 39 38 40 40 40 40 40 40 40 40 40 40		Action Level Limit Level 24/12/2021 07:55 24/12/2021 08:55 24/12/2021 08:55 24/12/2021 10:55 24/12/2021 10:55 24/12/2021 12:55 24/12/2021 12:55 24/12/2021 13:55 24/12/2021 13:55 24/12/2021 16:55 24/12/2021 16:55 24/12/2021 16:55 24/12/2021 19:55 24/12/2021 21:55 24/12/2021 21:55 24/12/2021 22:55 24/12/2021 23:55 25/12/2021 00:55 25/12/2021 00:55 25/12/2021 03:55 25/12/2021 03:55 25/12/2021 03:55 25/12/2021 04:55	171 260 TSP Concentration (μg/m <sup>*</sup> ) 47 50 47 46 40 36 39 38 36 39 40 40 40 40 40 40 40 40 40 40		Limit Level  Date and Time  30/12/2021 08:00 30/12/2021 09:00 30/12/2021 10:00 30/12/2021 11:00 30/12/2021 11:00 30/12/2021 13:00 30/12/2021 14:00 30/12/2021 15:00 30/12/2021 15:00 30/12/2021 15:00 30/12/2021 19:00 30/12/2021 19:00 30/12/2021 20:00 30/12/2021 20:00 30/12/2021 20:00 31/12/2021 0	260 TSP Concentration (μg/m³) 35 39 32 33 38 43 38 43 38 36 38 36 39 36 39 36 33 39 36 33 39 39 39 39 39 39 39 39 39

Remark

Actual monitoring may be subjected to change due to any safety concern or adverse weather condition.
 The Impact Air Monitoring Stations to be monitored should be selected based on the prevailing wind direction and their proximity to the active construction works.

S 12 - Fung Wo Estate Date and Time	TSP Concentration (µg/m <sup>3</sup> )		ate and Time	TSP Concentration (µg/m <sup>3</sup> )	1 Г	Date and Time	TSP Concentration (µg/m <sup>3</sup>
02/12/2021 07:34	42		08/12/2021 07:53	37		14/12/2021 07:49	54
02/12/2021 08:34	49		08/12/2021 08:53	39		14/12/2021 08:49	67
02/12/2021 09:34	49		08/12/2021 09:53	43		14/12/2021 09:49	82
02/12/2021 10:34	46		08/12/2021 10:53	45		14/12/2021 10:49	79
02/12/2021 11:34	39		08/12/2021 11:53	45		14/12/2021 11:49	87
02/12/2021 12:34	36		08/12/2021 12:53	42		14/12/2021 12:49	76
02/12/2021 13:34	43		08/12/2021 13:53	37		14/12/2021 13:49	66
02/12/2021 14:34	43		08/12/2021 14:53	33		14/12/2021 14:49	74
02/12/2021 15:34	42		08/12/2021 15:53	37		14/12/2021 15:49	54
02/12/2021 15:34	42		08/12/2021 16:53	42		14/12/2021 16:49	59
02/12/2021 10:54	45		08/12/2021 17:53	34		14/12/2021 17:49	46
02/12/2021 17:34	45 51		08/12/2021 17:55	43		14/12/2021 17:49	56
02/12/2021 19:34	52		08/12/2021 19:53	43		14/12/2021 19:49	64
02/12/2021 19:34	43		08/12/2021 19:53	43		14/12/2021 19:49	69
02/12/2021 20:34	37		08/12/2021 20:53	43		14/12/2021 20:49	71
02/12/2021 21:34	33		)8/12/2021 21:53 )8/12/2021 22:53	43		14/12/2021 21:49	71 79
02/12/2021 22:34	36		)8/12/2021 22:53 )8/12/2021 23:53	43 34		14/12/2021 22:49	79 64
03/12/2021 23:34	39		)9/12/2021 23:53 )9/12/2021 00:53	42		15/12/2021 23:49	69
03/12/2021 00:34	48		)9/12/2021 00:53 )9/12/2021 01:53	42 40		15/12/2021 00:49	66
	48 39			37			72
03/12/2021 02:34	39		09/12/2021 02:53	37		15/12/2021 02:49	72
03/12/2021 03:34			09/12/2021 03:53			15/12/2021 03:49	
03/12/2021 04:34	43		09/12/2021 04:53	36		15/12/2021 04:49	61
03/12/2021 05:34	42		09/12/2021 05:53	37		15/12/2021 05:49	67
03/12/2021 06:34	40		9/12/2021 06:53	<u>36</u> 40	-	15/12/2021 06:49	85
Average	42 168		Average			Average	69 168
Action Level		-	Action Level	168		Action Level	
Action Level Limit Level	260		Action Level Limit Level	168 260		Action Level Limit Level	260
Limit Level					}		260
Limit Level Date and Time	260		Limit Level	260	1 E 7 F	Limit Level	260
	260 TSP Concentration (μg/m³)		Limit Level	260 TSP Concentration (μg/m³)	] E ] F	Limit Level Date and Time	260 TSP Concentration (µg/m
Limit Level Date and Time 20/12/2021 07:39	260 TSP Concentration (μg/m³) 33		Limit Level	260 TSP Concentration (µg/m³) 46	] E ] F	Limit Level Date and Time 30/12/2021 07:47	260 TSP Concentration (µg/m 42
Limit Level	260 TSP Concentration (μg/m³) 33 31		Limit Level <b>ate and Time</b> 24/12/2021 07:42 24/12/2021 08:42	260 TSP Concentration (μg/m³) 46 40		Limit Level Date and Time 30/12/2021 07:47 30/12/2021 08:47	260 TSP Concentration (μg/m 42 37
Limit Level Date and Time 20/12/2021 07:39 20/12/2021 08:39 20/12/2021 09:39 20/12/2021 10:39	260 TSP Concentration (μg/m³) 33 31 30		Limit Level	260 TSP Concentration (µg/m³) 46 40 37		Limit Level Date and Time 30/12/2021 07:47 30/12/2021 08:47 30/12/2021 09:47	260 TSP Concentration (μg/m 42 37 37
Limit Level	260 TSP Concentration (μg/m³) 33 31 30 34		Limit Level Pate and Time 24/12/2021 07:42 24/12/2021 08:42 24/12/2021 09:42 24/12/2021 10:42	260 TSP Concentration (μg/m <sup>3</sup> ) 46 40 37 42		Limit Level Date and Time 30/12/2021 07:47 30/12/2021 08:47 30/12/2021 09:47 30/12/2021 10:47	260 TSP Concentration (μg/m 42 37 37 33
Limit Level 20/12/2021 07:39 20/12/2021 08:39 20/12/2021 09:39 20/12/2021 10:39 20/12/2021 11:39 20/12/2021 12:39	260 TSP Concentration (μg/m³) 33 31 30 34 37		Limit Level tate and Time 14/12/2021 07:42 14/12/2021 08:42 14/12/2021 09:42 14/12/2021 10:42 14/12/2021 11:42	260 TSP Concentration (µg/m³) 46 40 37 42 43		Limit Level Date and Time 30/12/2021 07:47 30/12/2021 08:47 30/12/2021 09:47 30/12/2021 10:47 30/12/2021 11:47	260 TSP Concentration (μg/m 42 37 37 33 33 39
Limit Level	260 TSP Concentration (μg/m³) 33 31 30 34 37 40		Limit Level 44/12/2021 07:42 44/12/2021 08:42 44/12/2021 09:42 44/12/2021 10:42 44/12/2021 11:42 44/12/2021 12:42	260 TSP Concentration (μg/m³) 46 40 37 42 43 40		Limit Level <b>Date and Time</b> 30/12/2021 07:47 30/12/2021 08:47 30/12/2021 09:47 30/12/2021 10:47 30/12/2021 11:47 30/12/2021 12:47	260 TSP Concentration (μg/m 42 37 37 33 39 37
Limit Level	260 TSP Concentration (μg/m³) 33 31 30 34 37 40 42		Limit Level	260 TSP Concentration (μg/m³) 46 40 37 42 43 40 40 40		Limit Level 30/12/2021 07:47 30/12/2021 08:47 30/12/2021 09:47 30/12/2021 10:47 30/12/2021 11:47 30/12/2021 12:47 30/12/2021 13:47	260 TSP Concentration (μg/m 42 37 37 33 39 37 36
Limit Level	260 TSP Concentration (μg/m³) 33 31 30 34 37 40 42 37		Limit Level tate and Time 14/12/2021 07:42 14/12/2021 08:42 14/12/2021 09:42 14/12/2021 10:42 14/12/2021 11:42 14/12/2021 13:42 14/12/2021 13:42 14/12/2021 14:42	260 TSP Concentration (μg/m³) 46 40 37 42 43 40 40 40 40 48		Limit Level 30/12/2021 07:47 30/12/2021 07:47 30/12/2021 08:47 30/12/2021 09:47 30/12/2021 10:47 30/12/2021 11:47 30/12/2021 13:47 30/12/2021 14:47	260 TSP Concentration (μg/m 42 37 37 33 39 37 36 39
Limit Level	260 TSP Concentration (μg/m³) 33 31 30 34 37 40 42 37 33		Limit Level ate and Time 24/12/2021 07:42 24/12/2021 08:42 24/12/2021 09:42 24/12/2021 10:42 24/12/2021 11:42 24/12/2021 13:42 24/12/2021 14:42 24/12/2021 15:42	260 TSP Concentration (μg/m³) 46 40 37 42 43 40 40 40 48 46		Limit Level <b>Date and Time</b> 30/12/2021 07:47 30/12/2021 08:47 30/12/2021 09:47 30/12/2021 10:47 30/12/2021 11:47 30/12/2021 13:47 30/12/2021 13:47 30/12/2021 15:47	260 TSP Concentration (μg/m 42 37 37 33 39 37 36 39 43
Limit Level	260 TSP Concentration (μg/m³) 33 31 30 34 37 40 42 37 33 33 34		Limit Level	260 TSP Concentration (μg/m³) 46 40 37 42 43 40 40 40 48 46 48		Limit Level <b>Date and Time</b> 30/12/2021 07:47 30/12/2021 08:47 30/12/2021 09:47 30/12/2021 10:47 30/12/2021 11:47 30/12/2021 11:47 30/12/2021 14:47 30/12/2021 15:47 30/12/2021 16:47	260 TSP Concentration (μg/m 42 37 37 33 39 37 36 39 43 45
Limit Level	260 TSP Concentration (μg/m³) 33 31 30 34 37 40 42 37 33 34 36		Limit Level tate and Time 24/12/2021 07:42 24/12/2021 09:42 24/12/2021 10:42 24/12/2021 11:42 24/12/2021 12:42 24/12/2021 13:42 24/12/2021 13:42 24/12/2021 15:42 24/12/2021 15:42 24/12/2021 17:42 24/12/2021 17:42	260 TSP Concentration (μg/m³) 46 40 37 42 43 40 40 40 48 46 48 46 48 42		Limit Level 30/12/2021 07:47 30/12/2021 08:47 30/12/2021 09:47 30/12/2021 10:47 30/12/2021 11:47 30/12/2021 11:47 30/12/2021 13:47 30/12/2021 15:47 30/12/2021 15:47 30/12/2021 17:47	260 TSP Concentration (μg/m 42 37 37 33 39 37 36 39 43 45 46
Limit Level	260 TSP Concentration (μg/m³) 33 31 30 34 37 40 42 37 33 34 36 36		Limit Level	260 TSP Concentration (µg/m³) 46 40 37 42 43 40 40 40 48 46 48 46 48 42 46		Limit Level 30/12/2021 07:47 30/12/2021 07:47 30/12/2021 08:47 30/12/2021 10:47 30/12/2021 10:47 30/12/2021 12:47 30/12/2021 13:47 30/12/2021 14:47 30/12/2021 15:47 30/12/2021 17:47 30/12/2021 18:47 30/12/2021 18:47 30/12/2021 19:47	260 TSP Concentration (μg/m 42 37 37 33 39 37 36 39 43 45 46 43
Limit Level	260 TSP Concentration (μg/m³) 33 31 30 34 37 40 42 37 33 34 36 36 36		Limit Level ate and Time 24/12/2021 07:42 24/12/2021 08:42 24/12/2021 09:42 24/12/2021 10:42 24/12/2021 12:42 24/12/2021 13:42 24/12/2021 13:42 24/12/2021 16:42 24/12/2021 16:42 24/12/2021 18:42 24/12/2021 19:42 24/12/2021 19:42 24/12/2021 20:42	260 TSP Concentration (µg/m³) 46 40 37 42 43 40 40 40 48 46 48 46 48 42 46 42		Limit Level <b>Date and Time</b> 30/12/2021 07:47 30/12/2021 08:47 30/12/2021 10:47 30/12/2021 10:47 30/12/2021 12:47 30/12/2021 13:47 30/12/2021 13:47 30/12/2021 15:47 30/12/2021 16:47 30/12/2021 18:47 30/12/2021 18:47 30/12/2021 18:47 30/12/2021 18:47 30/12/2021 18:47 30/12/2021 18:47	260 TSP Concentration (μg/m 42 37 33 39 37 36 39 43 43 45 46 43 43
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Limit Level	260 TSP Concentration (μg/m³) 33 31 30 34 37 40 42 37 33 34 36 36 36 36 39 39 39 39 36 34 34		Limit Level	260 TSP Concentration (μg/m³) 46 40 37 42 43 40 40 40 48 46 48 46 48 42 46 42 46 42 40 39 36 39		Limit Level 30/12/2021 07:47 30/12/2021 07:47 30/12/2021 09:47 30/12/2021 09:47 30/12/2021 10:47 30/12/2021 11:47 30/12/2021 13:47 30/12/2021 15:47 30/12/2021 16:47 30/12/2021 16:47 30/12/2021 19:47 30/12/2021 19:47 30/12/2021 21:47 30/12/2021 21:47 30/12/2021 21:47 30/12/2021 21:47 30/12/2021 21:47	260 TSP Concentration (μg/m 42 37 37 33 39 37 36 39 43 45 46 43 45 46 43 45 42 42 42
Limit Level	260 TSP Concentration (μg/m³) 33 31 30 34 37 40 42 37 33 34 36 36 39 39 36 34 36 36 34 36		Limit Level tate and Time tat/12/2021 07:42 t4/12/2021 08:42 t4/12/2021 09:42 t4/12/2021 10:42 t4/12/2021 12:42 t4/12/2021 13:42 t4/12/2021 13:42 t4/12/2021 15:42 t4/12/2021 16:42 t4/12/2021 18:42 t4/12/2021 19:42 t4/12/2021 19:42 t4/12/2021 20:42 t4/12/2021 22:42 t4/12/2021 22:42 t4/12/2021 23:42 t4/12/2021 23:42 t4/12/2021 23:42 t4/12/2021 23:42 t4/12/2021 20:42 t4/12/2021 23:42 t4/12/2021 23:42 t4/12/2021 20:42 t4/12/2021 23:42 t4/12/2021 23:42 t5/12/2021 00:42 t5/12/2021 00:42 t4/12/2021 00:42 t5/12/2021 10:42 t5/12/2021 10:42 t5/12/2021 10:42 t5/12/2021 10:42 t5/12/2021 10:42 t5/12/2021 10:42 t5/12/2021 10:42 t5/12/2021 10:42 t5/12/2021 10:42 t5/12/2021 10:42 t	260 TSP Concentration (μg/m³) 46 40 37 42 43 40 40 40 48 46 48 46 48 46 48 46 42 46 42 46 42 46 39 36 39 45		Limit Level 30/12/2021 07:47 30/12/2021 07:47 30/12/2021 08:47 30/12/2021 10:47 30/12/2021 10:47 30/12/2021 12:47 30/12/2021 13:47 30/12/2021 13:47 30/12/2021 15:47 30/12/2021 20:47 30/12/2021 20:47 30/12/2021 23:47 30/12/2021 23:47 31/12/2021 00:47	260 TSP Concentration (μg/m 42 37 33 39 37 36 39 43 45 46 43 43 45 46 43 43 45 42 42 42 42 42 42 42 45 40
Limit Level	260 TSP Concentration (μg/m³) 33 31 30 34 37 40 42 37 33 34 36 36 36 36 36 36 39 39 39 36 34 36 36 36 36 39 39		Limit Level	260 TSP Concentration (μg/m³) 46 40 37 42 43 40 40 40 48 46 48 46 48 46 48 42 46 42 40 39 36 39 45 43		Limit Level 30/12/2021 07:47 30/12/2021 07:47 30/12/2021 08:47 30/12/2021 10:47 30/12/2021 10:47 30/12/2021 12:47 30/12/2021 13:47 30/12/2021 13:47 30/12/2021 15:47 30/12/2021 15:47 30/12/2021 15:47 30/12/2021 15:47 30/12/2021 15:47 30/12/2021 15:47 30/12/2021 15:47 30/12/2021 15:47 30/12/2021 20:47 30/12/2021 22:47 30/12/2021 23:47 31/12/2021 00:47 31/12/2021 01:47	260 TSP Concentration (μg/m 42 37 37 33 39 37 36 39 43 45 46 43 45 46 43 43 45 42 42 42 42 45 40 42
Limit Level	260 TSP Concentration (μg/m³) 33 31 30 34 37 40 42 37 33 34 36 36 36 36 36 39 39 36 34 36 36 39 39 36 34 36 36 39 39 40 40 42 40 42 42 40 42 42 40 42 42 40 42 42 42 42 42 42 42 42 42 42		Limit Level tate and Time 24/12/2021 07:42 24/12/2021 08:42 24/12/2021 09:42 24/12/2021 10:42 24/12/2021 11:42 24/12/2021 13:42 24/12/2021 13:42 24/12/2021 15:42 24/12/2021 16:42 24/12/2021 19:42 24/12/2021 21:42 24/12/2021 21:42 24/12/2021 22:42 24/12/2021 22:42 25/12/2021 01:42 25/12/2021 01:42 25	260 TSP Concentration (µg/m³) 46 40 37 42 43 40 40 48 40 48 46 48 46 48 42 46 42 46 42 46 39 36 39 36 39 45 43 46 48 46 48 45 45 45 45 45 45 45 45 45 45		Limit Level 30/12/2021 07:47 30/12/2021 07:47 30/12/2021 08:47 30/12/2021 09:47 30/12/2021 10:47 30/12/2021 11:47 30/12/2021 13:47 30/12/2021 15:47 30/12/2021 15:47 30/12/2021 16:47 30/12/2021 19:47 30/12/2021 19:47 30/12/2021 20:47 30/12/2021 22:47 30/12/2021 00:47 31/12/2021 00:47 31/12/2021 02:47	260 TSP Concentration (μg/m 42 37 37 33 39 37 36 39 43 45 46 43 45 46 43 45 46 43 45 46 43 45 46 43 45 46 43 45 46 43 45 46 42 42 42 42 42 42 42 42 42 42
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Limit Level	260 TSP Concentration (μg/m³) 33 31 30 34 37 40 42 37 33 34 36 36 36 36 36 36 39 39 39 39 39 39 39 36 34 36 36 36 36 36 36 36 36 36 36		Limit Level	260 TSP Concentration (μg/m³) 46 40 37 42 43 40 40 48 46 48 46 48 46 42 46 42 46 42 40 39 36 39 45 43 46 45 46		Limit Level 30/12/2021 07:47 30/12/2021 07:47 30/12/2021 08:47 30/12/2021 09:47 30/12/2021 10:47 30/12/2021 11:47 30/12/2021 21:47 30/12/2021 21:47 30/12/2021 21:47 30/12/2021 21:47 30/12/2021 21:47 30/12/2021 01:47 31/12/2021 01:47 31/12/2021 01:47 31/12/2021 01:47 31/12/2021 01:47	260 TSP Concentration (μg/m 42 37 37 33 39 37 36 39 43 45 46 43 43 45 46 43 43 45 46 43 43 45 42 42 42 42 45 40 42 37 43
Limit Level	260 TSP Concentration (μg/m³) 33 31 30 34 37 40 42 37 33 34 36 36 36 36 36 39 39 39 39 36 34 36 39 39 39 39 36 34 36 39 39 39 30 34 34 36 37 33 34 34 36 36 36 37 33 34 34 37 33 34 36 36 36 36 36 36 36 36 36 36		Limit Level	260 TSP Concentration (μg/m³) 46 40 37 42 43 40 40 40 48 46 48 46 42 46 42 46 42 46 39 36 39 45 43 46 43 46 43 46 43 46 42 40 39 36 39 45 43 46 46 46 46 46 46 46 46 46 47 47 48 46 46 46 45 46 45 46 45 46 46 45 45 45 45 45 45 45 45 45 45		Limit Level 30/12/2021 07:47 30/12/2021 07:47 30/12/2021 08:47 30/12/2021 10:47 30/12/2021 10:47 30/12/2021 12:47 30/12/2021 13:47 30/12/2021 13:47 30/12/2021 15:47 30/12/2021 15:47 30/12/2021 15:47 30/12/2021 15:47 30/12/2021 15:47 30/12/2021 15:47 30/12/2021 15:47 30/12/2021 20:47 30/12/2021 22:47 30/12/2021 23:47 31/12/2021 00:47 31/12/2021 03:47 31/12/2021 03:47 31/12/2021 03:47 31/12/2021 03:47 31/12/2021 03:47 31/12/2021 03:47 31/12/2021 03:47 31/12/2021 03:47	260 TSP Concentration (μg/m 42 37 33 39 37 36 39 43 45 46 43 43 45 46 43 43 45 42 42 42 45 40 42 45 40 42 45 40 42 45 40 42 45 40 45 45 46 43 43 45 45 45 46 43 43 45 45 45 46 43 43 45 45 46 43 43 45 45 46 43 43 45 45 46 43 45 46 43 45 45 46 43 45 45 46 43 45 45 46 43 45 45 46 43 45 45 46 43 45 45 46 43 45 45 46 43 45 45 46 43 45 45 46 43 45 45 45 46 43 45 45 45 45 45 45 45 45 45 45
Limit Level	260 TSP Concentration (μg/m³) 33 31 30 34 37 40 42 37 33 34 36 36 36 36 36 39 39 36 34 36 36 39 39 36 34 36 36 39 39 36 34 37 33 34 36 36 36 37 33 34 36 36 36 36 36 36 37 33 34 37 33 34 37 33 34 36 36 36 36 36 36 36 36 36 36		Limit Level Limit Level Late and Time 24/12/2021 07:42 24/12/2021 07:42 24/12/2021 09:42 24/12/2021 10:42 24/12/2021 11:42 24/12/2021 13:42 24/12/2021 13:42 24/12/2021 15:42 24/12/2021 16:42 24/12/2021 18:42 24/12/2021 18:42 24/12/2021 18:42 24/12/2021 21:42 24/12/2021 21:42 24/12/2021 02:42 25/12/2021 00:42 25/12/2021 03:42 25/12/2021 03:42 25/12/2021 03:42 25/12/2021 03:42 25/12/2021 03:42 25/12/2021 03:42 25/12/2021 03:42 25/12/2021 03:42 25/12/2021 03:42 25/12/2021 05:42 25/12/2021 05:42 25/12/2021 05:42 25/12/2021 06:42 25/12/2021 06:42 25/12/2021 25/12/2021 06:42 25/12/2021 2	260 TSP Concentration (µg/m³) 46 40 37 42 43 40 40 48 46 48 46 48 42 46 42 46 42 46 42 46 42 46 43 39 36 39 36 39 45 43 46 45 46 48 48 48 46 48 40 40 48 40 40 48 40 40 48 40 40 48 40 40 48 40 40 48 40 40 48 40 40 48 40 40 48 46 48 46 48 46 48 46 48 46 48 46 48 46 48 46 48 46 48 46 48 46 48 46 48 40 40 48 46 46 46 46 46 46 46 46 46 46		Limit Level <b>Date and Time</b> 30/12/2021 07:47 30/12/2021 09:47 30/12/2021 09:47 30/12/2021 10:47 30/12/2021 11:47 30/12/2021 13:47 30/12/2021 15:47 30/12/2021 15:47 30/12/2021 15:47 30/12/2021 15:47 30/12/2021 19:47 30/12/2021 19:47 30/12/2021 20:47 30/12/2021 20:47 31/12/2021 00:47 31/12/2021 00:47 31/12/2021 03:47 31/12/2021 03:47 31/12/2021 03:47 31/12/2021 03:47 31/12/2021 03:47 31/12/2021 04:47 31/12/2021 04:47 31/12/2021 05:47 31/12/2021 06:47	260 TSP Concentration (μg/m 42 37 37 33 39 37 36 39 43 45 46 43 45 46 43 45 42 42 42 42 42 42 42 42 42 42
Limit Level Date and Time 20/12/2021 07:39 20/12/2021 08:39	260 TSP Concentration (μg/m³) 33 31 30 34 37 40 42 37 33 34 36 36 36 36 36 39 39 39 39 36 34 36 39 39 39 39 36 34 36 39 39 39 30 34 34 36 37 33 34 34 36 36 36 37 33 34 34 37 33 34 36 36 36 36 36 36 36 36 36 36		Limit Level	260 TSP Concentration (μg/m³) 46 40 37 42 43 40 40 40 48 46 48 46 42 46 42 46 42 46 39 36 39 45 43 46 43 46 43 46 43 46 42 40 39 36 39 45 43 46 46 46 46 46 46 46 46 46 47 47 48 46 46 46 45 46 45 46 45 46 46 45 45 45 45 45 45 45 45 45 45		Limit Level 30/12/2021 07:47 30/12/2021 07:47 30/12/2021 08:47 30/12/2021 10:47 30/12/2021 10:47 30/12/2021 12:47 30/12/2021 13:47 30/12/2021 13:47 30/12/2021 15:47 30/12/2021 15:47 30/12/2021 15:47 30/12/2021 15:47 30/12/2021 15:47 30/12/2021 15:47 30/12/2021 15:47 30/12/2021 20:47 30/12/2021 22:47 30/12/2021 23:47 31/12/2021 00:47 31/12/2021 03:47 31/12/2021 03:47 31/12/2021 03:47 31/12/2021 03:47 31/12/2021 03:47 31/12/2021 03:47 31/12/2021 03:47 31/12/2021 03:47	260 TSP Concentration (μg/m 42 37 33 39 37 36 39 43 45 46 43 43 45 46 43 43 45 42 42 42 45 40 42 42 45 40 42 45 40 42 45 40 42 45 40 45 40 45 45 40 43 45 45 46 43 45 45 46 43 45 45 46 43 45 45 46 43 45 45 46 43 45 45 46 43 45 45 46 43 45 45 46 43 45 45 46 43 45 45 46 43 45 45 42 43 45 45 46 43 45 45 42 42 45 42 45 42 45 45 46 43 45 45 46 43 45 45 42 45 45 42 45 45 45 45 42 45 45 45 42 45 45 45 45 45 45 42 45 45 45 45 45 45 45 45 45 45

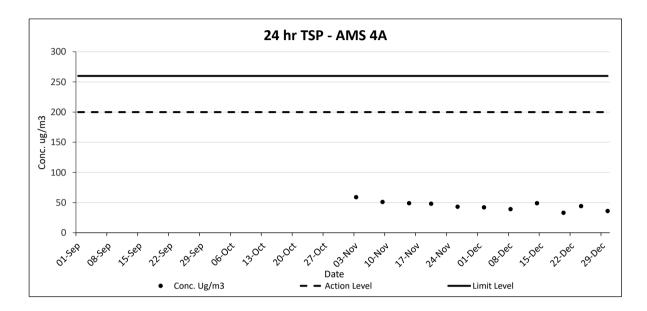
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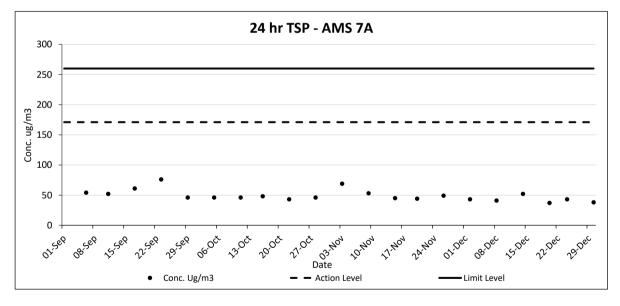
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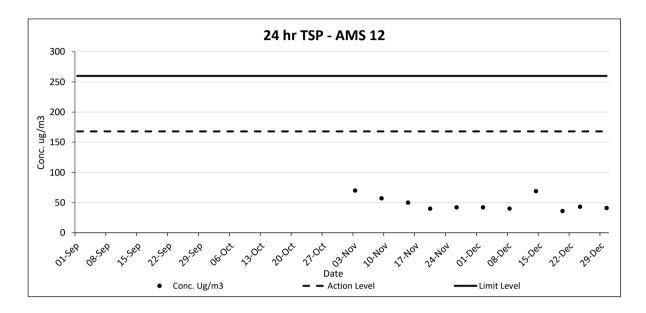
 1. Actual monitoring may be subjected to change due to any safety concern or adverse weather condition.
 2. The Impact Air Monitoring Stations to be monitored should be selected based on the prevailing wind direction and their proximity to the active construction works.

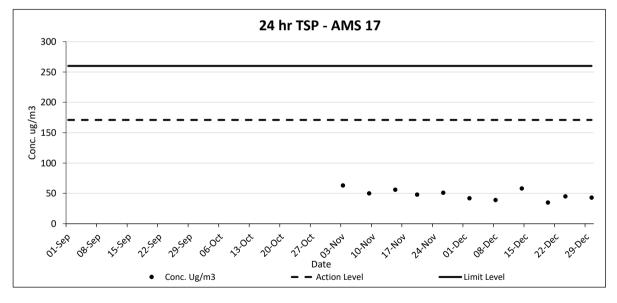
Date and Time	TSP Concentration (µg/m <sup>3</sup> )	Date and Time	TSP Concentration (µg/m <sup>3</sup> )	D	ate and Time	TSP Concentration (µg/m <sup>3</sup> )
02/12/2021 07:18	41	08/12/2021 07:40	43		4/12/2021 08:07	45
02/12/2021 08:18	38	08/12/2021 08:40	41	1	4/12/2021 09:07	51
02/12/2021 09:18	54	08/12/2021 09:40	36		4/12/2021 10:07	49
02/12/2021 10:18	56	08/12/2021 10:40	41		4/12/2021 11:07	57
02/12/2021 10:10	56	08/12/2021 11:40	36		4/12/2021 12:07	72
02/12/2021 11:18		08/12/2021 11:40	43			72
	35				4/12/2021 13:07	69
02/12/2021 13:18	36	08/12/2021 13:40	44		4/12/2021 14:07	
02/12/2021 14:18	33	08/12/2021 14:40	39		4/12/2021 15:07	58
02/12/2021 15:18	35	08/12/2021 15:40	44		4/12/2021 16:07	52
02/12/2021 16:18	44	08/12/2021 16:40	44		4/12/2021 17:07	54
02/12/2021 17:18	39	08/12/2021 17:40	43		4/12/2021 18:07	70
02/12/2021 18:18	41	08/12/2021 18:40	35		4/12/2021 19:07	79
02/12/2021 19:18	39	08/12/2021 19:40	33	1	4/12/2021 20:07	43
02/12/2021 20:18	48	08/12/2021 20:40	33	1	4/12/2021 21:07	42
02/12/2021 21:18	46	08/12/2021 21:40	36	1	4/12/2021 22:07	49
02/12/2021 22:18	41	08/12/2021 22:40	33	1	4/12/2021 23:07	60
02/12/2021 23:18	41	08/12/2021 23:40	36	1	5/12/2021 00:07	43
03/12/2021 00:18	54	09/12/2021 00:40	36	1	5/12/2021 01:07	63
03/12/2021 01:18	36	09/12/2021 01:40	43	1	5/12/2021 02:07	64
03/12/2021 02:18	41	09/12/2021 02:40	43		5/12/2021 03:07	66
03/12/2021 03:18	35	09/12/2021 03:40	43		5/12/2021 04:07	67
03/12/2021 04:18	46	09/12/2021 04:40	38		5/12/2021 05:07	66
03/12/2021 05:18	44	09/12/2021 05:40	33		5/12/2021 06:07	43
03/12/2021 06:18	36	09/12/2021 06:40	35		5/12/2021 07:07	52
Average	42	Average	39		Average	58
Action Level	171	Action Level	171		Action Level	171
Limit Level	260	Limit Level	260		Limit Level	260
			200			
Date and Time	TSP Concentration (µg/m <sup>3</sup> )	Date and Time	TSP Concentration (µg/m <sup>3</sup> )		ate and Time	TSP Concentration (µg/m <sup>3</sup>
Date and Time 20/12/2021 07:22						TSP Concentration (µg/m <sup>3</sup> 41
	TSP Concentration (µg/m³)	Date and Time	TSP Concentration (µg/m <sup>3</sup> )	3	ate and Time	
20/12/2021 07:22 20/12/2021 08:22	TSP Concentration (μg/m³) 30	Date and Time 24/12/2021 07:29	TSP Concentration (μg/m³) 44	3	ate and Time 0/12/2021 07:32	41
20/12/2021 07:22 20/12/2021 08:22 20/12/2021 09:22	TSP Concentration (μg/m³) 30 36 36	Date and Time           24/12/2021 07:29           24/12/2021 08:29           24/12/2021 09:29	TSP Concentration (µg/m³) 44 44 44	3	ate and Time 0/12/2021 07:32 0/12/2021 08:32 0/12/2021 09:32	41 43 46
20/12/2021 07:22 20/12/2021 08:22 20/12/2021 09:22 20/12/2021 10:22	TSP Concentration (μg/m³) 30 36 36 36 36	Date and Time           24/12/2021 07:29           24/12/2021 08:29           24/12/2021 09:29           24/12/2021 10:29           24/12/2021 10:29	TSP Concentration (μg/m³) 44 44 44 51	3 3 3 3	ate and Time 10/12/2021 07:32 10/12/2021 08:32 10/12/2021 09:32 10/12/2021 10:32	41 43 46 41
20/12/2021 07:22 20/12/2021 08:22 20/12/2021 09:22 20/12/2021 10:22 20/12/2021 11:22	TSP Concentration (μg/m³) 30 36 36 36 43	Date and Time           24/12/2021 07:29           24/12/2021 08:29           24/12/2021 09:29           24/12/2021 10:29           24/12/2021 10:29           24/12/2021 11:29	TSP Concentration (μg/m³) 44 44 44 51 46	3 3 3 3 3 3 3	ate and Time 0/12/2021 07:32 0/12/2021 08:32 0/12/2021 09:32 0/12/2021 10:32 0/12/2021 11:32	41 43 46 41 38
20/12/2021 07:22 20/12/2021 08:22 20/12/2021 09:22 20/12/2021 10:22 20/12/2021 11:22 20/12/2021 11:22	TSP Concentration (μg/m³) 30 36 36 36 43 43 41	Date and Time           24/12/2021 07:29           24/12/2021 08:29           24/12/2021 09:29           24/12/2021 10:29           24/12/2021 11:29           24/12/2021 12:29	TSP Concentration (μg/m³) 44 44 44 51 51 46 46 46	3 3 3 3 3 3 3 3 3	ate and Time 10/12/2021 07:32 10/12/2021 08:32 10/12/2021 09:32 10/12/2021 10:32 10/12/2021 11:32 10/12/2021 12:32	41 43 46 41 38 49
20/12/2021 07:22 20/12/2021 08:22 20/12/2021 09:22 20/12/2021 10:22 20/12/2021 10:22 20/12/2021 11:22 20/12/2021 12:22 20/12/2021 13:22	TSP Concentration (μg/m³) 30 36 36 36 43 41 35	Date and Time           24/12/2021 07:29           24/12/2021 08:29           24/12/2021 09:29           24/12/2021 10:29           24/12/2021 11:29           24/12/2021 11:29           24/12/2021 13:29           24/12/2021 13:29	TSP Concentration (μg/m³) 44 44 44 51 51 46 46 46 43	3 3 3 3 3 3 3 3 3 3 3	ate and Time 10/12/2021 07:32 10/12/2021 08:32 10/12/2021 09:32 10/12/2021 10:32 10/12/2021 11:32 10/12/2021 12:32 10/12/2021 13:32	41 43 46 41 38 49 48
20/12/2021 07:22 20/12/2021 08:22 20/12/2021 09:22 20/12/2021 10:22 20/12/2021 11:22 20/12/2021 11:22 20/12/2021 12:22 20/12/2021 13:22 20/12/2021 14:22	TSP Concentration (μg/m³) 30 36 36 36 43 41 35 36 36	Date and Time           24/12/2021 07:29           24/12/2021 08:29           24/12/2021 08:29           24/12/2021 10:29           24/12/2021 10:29           24/12/2021 11:29           24/12/2021 12:29           24/12/2021 13:29           24/12/2021 13:29           24/12/2021 14:29           24/12/2021 14:29	TSP Concentration (μg/m³)           44           44           51           46           43           43	3 3 3 3 3 3 3 3 3 3 3	ate and Time 10/12/2021 07:32 10/12/2021 08:32 10/12/2021 09:32 10/12/2021 10:32 10/12/2021 11:32 10/12/2021 12:32 10/12/2021 13:32 10/12/2021 14:32	41 43 46 41 38 49 48 49
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AMS 17 - Wo Che Estate









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Appendix G

**Noise Monitoring Data** 

#### NMS 1 Scenery Court

	,	Moas	ured Noise					Wind
_		Wieas		Level	Limit Level	Construction Noise Level		
Date	Start Time	L <sub>eq</sub>	L <sub>90</sub>	L <sub>10</sub>			Weather	Speed
				Uni	t: dB(A) 30 Mii	ns		(m/s)
02-Dec-21	08:30	64.2	61.0	66.5		64.2	Fine	1.1
08-Dec-21	08:25	63.5	62.0	64.5		63.5	Fine	0.4
14-Dec-21	10:28	63.9	61.5	66.0	75	63.9	Fine	0.7
20-Dec-21	08:14	56.2	51.5	58.5		56.2	Fine	0.2
30-Dec-21	08:39	65.1	62.5	67.0		65.1	Fine	0.8

#### NMS 2 Villa Le Parc

		Meas	ured Noise	Level	Limit Level	Construction Noise Level		Wind
Date	Start Time	L <sub>eq</sub>	L <sub>90</sub>	L <sub>10</sub>	Weather	Speed		
		Unit: dB(A) 30 Mins						(m/s)
02-Dec-21	09:49	52.8	50.7	53.5		52.8	Fine	1.4
08-Dec-21	10:23	52.2	51.0	53.5		52.2	Fine	0.5
14-Dec-21	08:36	52.0	50.5	53.0	75	52.0	Fine	0.8
20-Dec-21	10:51	52.9	50.5	55.0		52.9	Fine	0.2
30-Dec-21	10:32	53.8	51.0	55.0		53.8	Fine	0.6

#### NMS 3 Hilton Plaza

		Meas	ured Noise	Level	Limit Level	Construction Noise Level		Wind
Date	Start Time	$L_{eq}$	L <sub>90</sub>	L <sub>10</sub>	Linnit Lever	Construction Noise Level	Weather	Speed
		Unit: dB(A) 30 Mins						(m/s)
02-Dec-21	09:11	71.6	67.5	74.0		71.6	Fine	0.8
08-Dec-21	09:36	66.6	65.5	68.0		66.6	Fine	0.7
14-Dec-21	09:15	67.5	63.5	69.0	75	67.5	Fine	1.1
20-Dec-21	08:53	54.7	51.0	57.0		54.7	Fine	0.4
30-Dec-21	09:50	66.8	64.0	68.5		66.8	Fine	0.8

#### NMS 4 Tin Liu

		Meas	ured Noise	Level	Limit Level	Construction Noise Level		Wind
Date	Start Time	$L_{eq}$	L <sub>90</sub>	L <sub>10</sub>	Linin Lever	Construction Noise Level	Weather	Speed
				Uni	t: dB(A) 30 Mi	ns		(m/s)
02-Dec-21	11:36	63.2	61.0	64.5		63.2	Fine	1.0
13-Aug-21	10:58	65.2	62.0	66.5		65.2	Fine	0.8
14-Dec-21	08:42	65.4	63.0	66.5	75	65.4	Fine	0.8
20-Dec-21	13:02	62.3	58.5	65.0		62.3	Fine	0.2
30-Dec-21	11:09	63.8	61.0	65.0		63.8	Fine	0.5

#### NMS 5A Wai Wah Centre (Site Boundary)

		Meas	ured Noise	Level	Limit Level	Construction Noise Level		Wind
Date	Start Time	$L_{eq}$	L <sub>90</sub>	L <sub>10</sub>	Linit Level	Construction Noise Level	Weather	Speed
				Uni	t: dB(A) 30 Mi	ns		(m/s)
02-Dec-21	10:25	71.8	68.0	74.5		71.8	Fine	0.8
08-Dec-21	09:02	68.4	65.0	70.0		68.4	Fine	0.8
14-Dec-21	09:49	68.9	65.0	70.0	75	68.9	Fine	0.7
20-Dec-21	09:29	68.6	65.0	71.5		68.6	Fine	0.6
30-Dec-21	09:16	68.9	66.0	70.5		68.9	Fine	1.2

#### NMS 6A Wai Wah Centre (Site Boundary)

		Meas	ured Noise	Level	Limit Level	Construction Noise Level		Wind
Date	Start Time	$L_{eq}$	L <sub>90</sub>	L <sub>10</sub>	Linit Level	Construction Noise Level	Weather	Speed
				Uni	t: dB(A) 30 Mii	ns		(m/s)
02-Dec-21	10:58	70.7	67.5	73.0		70.7	Fine	1.6
08-Dec-21	13:05	72.3	70.0	73.5		72.3	Fine	0.5
14-Dec-21	11:05	71.3	69.0	73.0	75	71.3	Fine	1.3
20-Dec-21	10:04	69.3	66.5	73.0		69.3	Fine	0.5
30-Dec-21	13:08	71.7	68.5	73.0		71.7	Fine	0.9

If measured noise level (L<sub>eq</sub>) > limit level, Corrected noise level (CNL) is calculated as:  $10 \times log \left[ \left( 10^{\frac{Measured noise level, Leq}{10}} \right) - \left( 10^{\frac{Baseline noise level}{10}} \right) \right]$ 

#### NMS 7 Tin Liu

		Meas	ured Noise	Level		Construction Naiss Loval		Wind
Date	Start Time	$L_{eq}$	L <sub>90</sub>	L <sub>10</sub>	Limit Level	Construction Noise Level	Weather	Speed
			Unit: dB(A) 30 Mins					
02-Dec-21	13:00	70.1	66.0	72.5		70.1	Fine	1.2
08-Dec-21	11:31	66.1	64.0	68.0		66.1	Fine	0.6
14-Dec-21	09:20	66.8	62.5	68.5	75	66.8	Fine	0.8
20-Dec-21	13:36	64.6	59.0	66.5		64.6	Fine	0.3
30-Dec-21	11:43	65.6	62.5	66.5		65.6	Fine	0.8

#### **NMS 8 Shatin Plaza**

		Meas	ured Noise	Level	Limit Level	Construction Noise Level		Wind
Date	Start Time	L <sub>eq</sub>	L <sub>90</sub>	L <sub>10</sub>	Linin Level	Construction Noise Level	Weather	Speed
			Unit: dB(A) 30 Mins					
03-Dec-21	09:00	64.7	62.3	68.0		64.7	Fine	1.4
09-Dec-21	08:34	64.9	62.0	66.0		64.9	Fine	0.6
15-Dec-21	08:35	65.5	63.0	66.5	75	65.5	Fine	1.0
21-Dec-21	08:29	64.7	62.5	67.0		64.7	Fine	0.7
31-Dec-21	08:35	64.7	62.5	66.0		64.7	Fine	1.1

#### **NMS 9 Lek Yuen Estate**

		Meas	ured Noise	Level	Limit Level	Construction Noise Level		Wind
Date	Start Time	$L_{eq}$	L <sub>90</sub>	L <sub>10</sub>	Linin Level	Construction Noise Level	Weather	Speed
		Unit: dB(A) 30 Mins						(m/s)
03-Dec-21	11:04	65.7	63.0	67.5		65.7	Fine	1.3
09-Dec-21	09:55	64.1	62.0	65.5		64.1	Fine	0.4
15-Dec-21	09:51	64.6	59.5	65.5	75	64.6	Fine	0.7
21-Dec-21	09:45	62.2	59.0	63.5		62.2	Fine	0.5
31-Dec-21	09:52	63.2	59.5	64.5		63.2	Fine	1.0

#### NMS 10A Shatin Tsung Tsin School

		Meas	ured Noise	Level	Limit Level	Construction Noise Level		Wind
Date	Start Time	$L_{eq}$	L <sub>90</sub>	L <sub>10</sub>	Linit Level	Construction Noise Level	Weather	Speed
		Unit: dB(A) 30 Mins						(m/s)
03-Dec-21	09:49	62.1	59.5	64.0		62.1	Fine	1.1
09-Dec-21	10:32	62.7	56.5	64.5		62.7	Fine	0.8
15-Dec-21	10:27	63.6	60.0	66.0	70	63.6	Fine	0.8
21-Dec-21	10:28	64.4	60.5	66.0		64.4	Fine	0.6
31-Dec-21	10:28	63.9	62.0	65.0		63.9	Fine	1.1

\*Note: The examination schedule was provide in Appendix E.

#### NMS 11 Sheung Wo Che

		Meas	ured Noise	Level	Limit Level	Construction Noise Level		Wind
Date	Start Time	$L_{eq}$	L <sub>90</sub>	L <sub>10</sub>	Linni Lever	Construction Noise Level	Weather	Speed
				(m/s)				
03-Dec-21	15:27	63.1	61.0	64.5		63.1	Fine	0.6
09-Dec-21	09:35	57.3	52.0	59.0		57.3	Fine	0.8
15-Dec-21	09:26	59.6	57.5	61.0	75	59.6	Fine	0.6
21-Dec-21	16:58	62.8	59.5	64.5		62.8	Fine	0.9
31-Dec-21	16:40	62.9	61.0	65.0		62.9	Fine	1.0

#### NMS 12 SKH Holy Spirit Primary School

		Meas	ured Noise	Level	Limit Level	Construction Noise Level		Wind
Date	Start Time	$L_{eq}$	L <sub>90</sub>	L <sub>10</sub>	Linit Level	Construction Noise Level	Weather	Speed
				Uni	t: dB(A) 30 Mii		(m/s)	
03-Dec-21	10:28	64.6	62.0	66.5	70	64.6	Fine	1.0
09-Dec-21	11:10	64.4	56.0	65.0	70	64.4	Fine	0.8
15-Dec-21	11:03	64.8	61.5	66.0	65	64.8	Fine	1.2
21-Dec-21	11:10	63.7	61.0	65.0	70	63.7	Fine	1.0
31-Dec-21	11:07	64.6	61.5	66.5	70	64.6	Fine	0.7

For SKH Holy Spirit Primary School, 70 dB(A) noise level is set for school for normal days. The examination period was 13-16 December 2021. Hence, the daytime noise level changed from 70 to 65 dB(A).

If measured noise level (L<sub>eq</sub>) > limit level, Corrected noise level (CNL) is calculated as:  $10 \times \log \left[ \left( 10^{\frac{Measured noise level, Leq}{10}} \right) - \left( 10^{\frac{Baseline noise level}{10}} \right) \right]$ 

#### NMS 13 Lek Yuen Estate

		Meas	ured Noise	Level	Limit Level	Construction Noise Level		Wind
Date	Start Time	L <sub>eq</sub>	L <sub>90</sub>	L <sub>10</sub>		Construction Noise Level	Weather	Speed
				Uni		(m/s)		
03-Dec-21	11:38	63.5	61.5	66.0		63.5	Fine	0.9
09-Dec-21	13:10	59.4	57.0	61.0		59.4	Fine	0.5
15-Dec-21	11:38	60.1	58.5	61.5	75	60.1	Fine	0.9
21-Dec-21	13:02	60.0	57.5	62.0		60.0	Fine	0.8
31-Dec-21	11:46	59.2	58.0	62.5		59.2	Fine	0.9

#### NMS 14 Sheung Wo Che

		Meas	ured Noise	Level	Limit Level	Construction Noise Level		Wind
Date	Start Time	$L_{eq}$	L <sub>90</sub>	L <sub>10</sub>		Construction Noise Level	Weather	Speed
					(m/s)			
03-Dec-21	14:38	62.6	60.5	63.5		62.6	Fine	1.0
09-Dec-21	10:17	56.7	55.5	59.0		56.7	Fine	0.3
15-Dec-21	10:03	61.5	59.0	64.0	75	61.5	Fine	1.0
21-Dec-21	16:20	61.3	59.0	63.0		61.3	Fine	0.7
31-Dec-21	16:03	64.0	61.5	65.0		64.0	Fine	0.9

#### NMS 15 Ha Wo Che

		Meas	ured Noise	Level	Limit Level	Construction Noise Level		Wind
Date	Start Time	$L_{eq}$	L <sub>90</sub>	L <sub>10</sub>	Linni Levei	Construction Noise Level	Weather	Speed
				(m/s)				
02-Dec-21	15:36	63.6	61.0	65.0		63.6	Fine	1.3
08-Dec-21	14:22	58.1	57.0	59.0		58.1	Fine	0.8
14-Dec-21	10:44	62.3	60.0	64.0	75	62.3	Fine	1.2
20-Dec-21	15:06	54.8	52.5	58.0		54.8	Fine	0.3
30-Dec-21	14:29	61.4	59.0	62.5		61.4	Fine	0.7

#### NMS 16 Ha Wo Che

		Meas	ured Noise	Level	Limit Level	Construction Noise Level		Wind
Date	Start Time	$L_{eq}$	L <sub>90</sub>	L <sub>10</sub>	Linnit Lever	Construction Noise Level	Weather	Speed
					(m/s)			
02-Dec-21	14:59	62.4	59.5	64.0		62.4	Fine	0.8
08-Dec-21	14:55	60.6	58.5	62.0		60.6	Fine	0.6
14-Dec-21	11:20	65.3	60.5	66.5	75	65.3	Fine	1.1
20-Dec-21	15:43	55.9	53.0	59.0		55.9	Fine	0.2
30-Dec-21	15:05	63.5	60.0	65.0		63.5	Fine	1.0

#### NMS 17 Shatin Pui Ying College

		Meas	ured Noise	Level	Limit Level	Construction Noise Level		Wind
Date	Start Time	$L_{eq}$	L <sub>90</sub>	L <sub>10</sub>	Linnit Level	Construction Noise Level	Weather	Speed
				Uni	t: dB(A) 30 Mii	1	(m/s)	
03-Dec-21	13:45	63.0	61.0	64.5	70	63.0	Fine	1.2
09-Dec-21	13:54	63.0	60.0	64.0	10	63.0	Fine	0.7
15-Dec-21	13:13	64.1	62.0	65.5	65	64.1	Fine	1.0
21-Dec-21	13:40	63.7	61.0	65.5	70	63.7	Fine	1.3
31-Dec-21	13:24	63.8	61.5	65.0	10	63.8	Fine	0.7

For SKH Holy Spirit Primary School, 70 dB(A) noise level is set for school for normal days. The examination period was 14-16 December 2021. Hence, the daytime noise level changed from 70 to 65 dB(A).

#### NMS 18 Ha Wo Che

		Meas	ured Noise	Level	Limit Level	Construction Noise Level		Wind
Date	Start Time	$L_{eq}$	L <sub>90</sub>	L <sub>10</sub>	Linin Level	Construction Noise Level	Weather	Speed
		Unit: dB(A) 30 Mins						(m/s)
02-Dec-21	14:25	61.3	59.0	63.0		61.3	Fine	0.7
08-Dec-21	15:34	63.7	62.5	64.5		63.7	Fine	0.8
14-Dec-21	13:04	63.9	58.5	65.0	75	63.9	Fine	0.7
20-Dec-21	16:18	56.4	53.5	59.5		56.4	Fine	0.4
30-Dec-21	15:42	62.5	58.5	64.0		62.5	Fine	0.4

If measured noise level (L<sub>eq</sub>) > limit level, Corrected noise level (CNL) is calculated as:  $10 \times \log \left[ \left( 10^{\frac{Measured noise level, Leq}{10}} \right) - \left( 10^{\frac{Baseline noise level}{10}} \right) \right]$ 

#### NMS 19 Wo Che Estate

		Meas	ured Noise	Level	Limit Level	Construction Noise Level		Wind
Date	Start Time	L <sub>eq</sub>	L <sub>90</sub>	L <sub>10</sub>	Limit Level	Construction Noise Level	Weather	Speed
				Uni	t: dB(A) 30 Mi	ns	T	(m/s)
03-Dec-21	14:23	66.2	63.5	68.0		66.2	Fine	0.7
09-Dec-21	10:58	62.5	61.0	63.5		62.5	Fine	0.6
15-Dec-21	13:25	66.5	63.5	68.5	75	66.5	Fine	1.1
21-Dec-21	14:23	64.5	61.5	66.0		64.5	Fine	0.9
31-Dec-21	14:15	66.1	63.0	68.5		66.1	Fine	1.2

#### NMS 20 Wo Che Estate

		Meas	ured Noise	Level	Limit Level	Construction Noise Level		Wind
Date	Start Time	$L_{eq}$	L <sub>90</sub>	L <sub>10</sub>	Linni Lever	Construction Noise Level	Weather	Speed
				Uni	t: dB(A) 30 Mi	ns		(m/s)
03-Dec-21	14:59	67.7	64.0	69.5		67.7	Fine	1.0
09-Dec-21	11:32	60.0	57.0	62.0		60.0	Fine	0.6
15-Dec-21	13:59	64.3	62.0	66.0	75	64.3	Fine	1.2
21-Dec-21	14:58	64.6	62.5	66.5		64.6	Fine	0.8
31-Dec-21	14:48	64.6	62.5	66.5		64.6	Fine	1.2

#### NMS 23 Pai Tau

		Meas	ured Noise	Level	Limit Level	Construction Noise Level		Wind
Date	Start Time	$L_{eq}$	L <sub>90</sub>	L <sub>10</sub>	Limit Level	Construction Noise Level	Weather	Speed
				Uni	t: dB(A) 30 Mi		(m/s)	
02-Dec-21	16:15	65.7	63.0	67.5		65.7	Fine	1.5
08-Dec-21	13:42	64.3	63.0	65.5		64.3	Fine	0.6
14-Dec-21	09:58	64.3	61.5	66.0	75	64.3	Fine	1.0
20-Dec-21	14:18	58.1	54.0	60.5		58.1	Fine	0.2
30-Dec-21	13:46	62.7	61.0	64.0		62.7	Fine	0.8

#### NMS 24 Shatin Plaza

		Meas	ured Noise	Level	Limit Level	Construction Noise Level		Wind
Date	Start Time	$L_{eq}$	L <sub>90</sub>	L <sub>10</sub>	Linnit Level	Construction Noise Level	Weather	Speed
					(m/s)			
03-Dec-21	08:25	66.2	64.0	68.5		66.2	Fine	1.4
09-Dec-21	09:09	63.2	61.0	64.5		63.2	Fine	0.5
15-Dec-21	09:08	64.1	61.0	66.0	75	64.1	Fine	1.3
21-Dec-21	09:02	64.4	61.0	66.0		64.4	Fine	0.8
31-Dec-21	09:09	63.2	59.5	64.5		63.2	Fine	1.3

#### NMS 25A Sheung Wo Che

		Meas	ured Noise	Level	Limit Level	Construction Noise Level		Wind
Date	Start Time	$L_{eq}$	L <sub>90</sub>	L <sub>10</sub>	Linnit Level	Construction Noise Level	Weather	Speed
				Uni	t: dB(A) 30 Mi	ns		(m/s)
03-Dec-21	16:10	63.5	61.5	65.5		63.5	Fine	1.4
09-Dec-21	08:54	59.0	54.0	61.0		59.0	Fine	0.4
15-Dec-21	08:48	62.1	60.0	64.0	75	62.1	Fine	0.6
21-Dec-21	17:33	62.5	60.5	64.0		62.5	Fine	0.9
31-Dec-21	17:17	60.8	58.0	63.5		60.8	Fine	1.0

#### NMS 26 Wo Che Estate

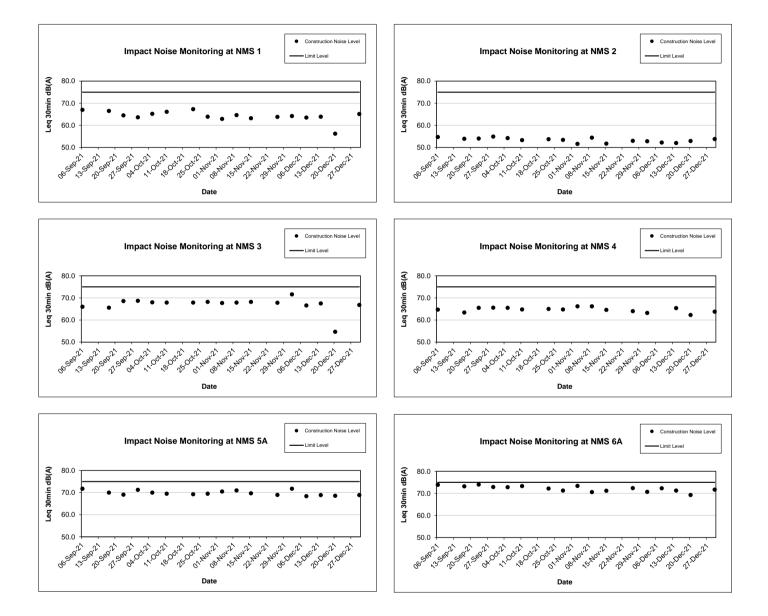
		Meas	ured Noise	Level	Limit Level	Construction Noise Level		Wind
Date	Start Time	L <sub>eq</sub>	L <sub>90</sub>	L <sub>10</sub>	Linnit Level	Construction Noise Level	Weather	Speed
				(m/s)				
03-Dec-21	13:00	73.9	70.5	77.0		73.9	Fine	1.2
09-Dec-21	13:18	68.8	66.5	70.0		68.8	Fine	0.5
15-Dec-21	10:48	70.3	67.0	72.5	75	70.3	Fine	1.2
21-Dec-21	15:37	71.6	68.5	73.0		71.6	Fine	0.8
31-Dec-21	15:26	69.3	66.0	71.0		69.3	Fine	0.8

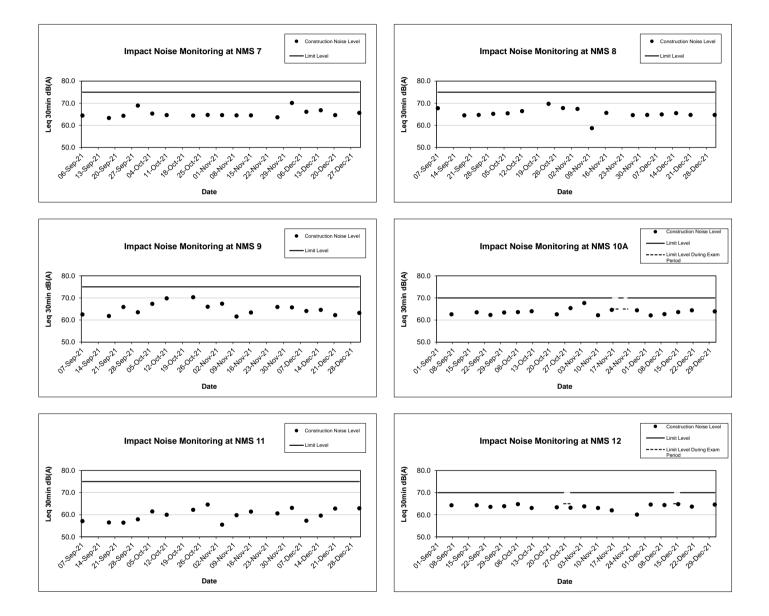
#### NMS 27 Jockey Club Ti-I College

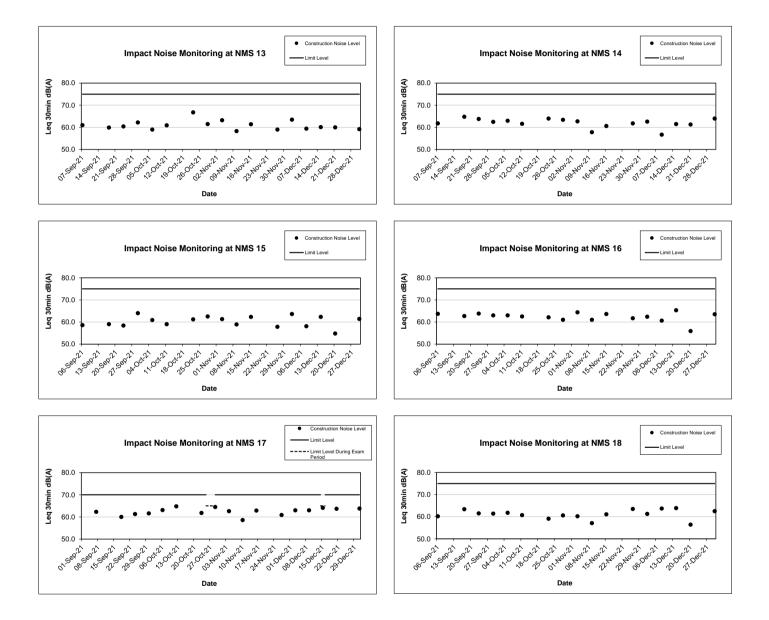
		Meas	ured Noise	Level	Limit Level	Construction Noise Level		Wind
Date	Start Time	$L_{eq}$	L <sub>90</sub>	L <sub>10</sub>	Linnt Level	Construction Noise Level	Weather	Speed
				Uni	t: dB(A) 30 Mi	ns		(m/s)
02-Dec-21	13:30	63.7	61.0	65.5		63.7	Fine	1.2
08-Dec-21	16:26	63.4	62.0	65.0		63.4	Fine	0.8
14-Dec-21	13:08	64.2	62.0	66.5	70	64.2	Fine	1.0
20-Dec-21	17:07	61.3	57.0	64.5		61.3	Fine	0.6
30-Dec-21	16:30	63.9	60.5	65.0		63.9	Fine	0.6

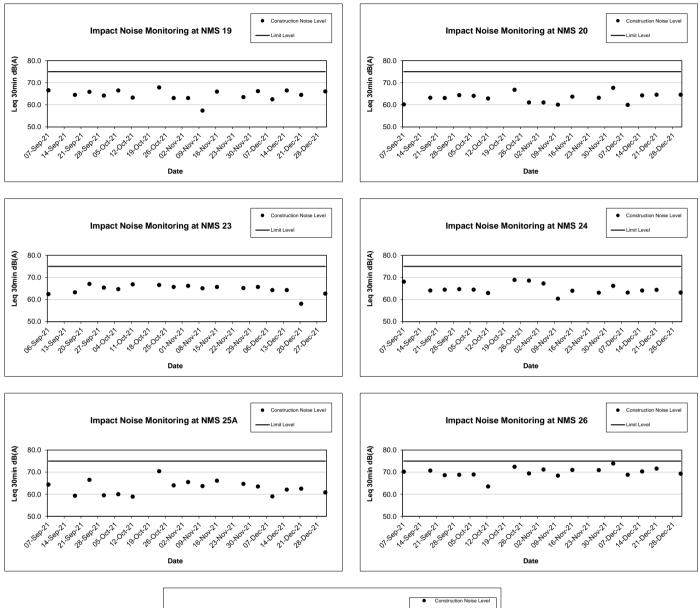
\*Note: The examination schedule was provide in Appendix E.

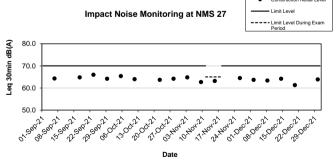
If measured noise level (L<sub>eq</sub>) > limit level, Corrected noise level (CNL) is calculated as:  $10 \times \log \left[ \left( 10^{\frac{Measured noise level, Leq}{10}} \right) - \left( 10^{\frac{Baseline noise level}{10}} \right) \right]$ 











#### NMS 1 Scenery Court

Date	Start Time	Average Leq (15 min) (dB(A))	Baseline (dB(A))	Baseline Range (dB(A))	Limit Level (dB(A))	Corrected Noise Level (dB(A))	Weather	Wind Speed (m/s)
02-Dec-21	23:00	61.0			55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.8</td></baseline<>	Fine	0.8
09-Dec-21	23:06	61.1			55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.4</td></baseline<>	Fine	0.4
16-Dec-21	23:00	59.5	61.4	52.8 - 66.3	55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.5</td></baseline<>	Fine	0.5
23-Dec-21	23:00	60.3			55	Measured Noise Level <baseline< td=""><td>Overcast</td><td>0.9</td></baseline<>	Overcast	0.9
30-Dec-21	23:00	60.4			55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.9</td></baseline<>	Fine	0.9

#### NMS 2 Villa Le Parc

Date	Start Time	Average Leq (15 min) (dB(A))	Baseline (dB(A))	Baseline Range (dB(A))	Limit Level (dB(A))	Corrected Noise Level (dB(A))	Weather	Wind Speed (m/s)
02-Dec-21	23:07	51.0			55	Measured Noise Level <limit level<="" td=""><td>Fine</td><td>0.5</td></limit>	Fine	0.5
09-Dec-21	23:12	51.3			55	Measured Noise Level <limit level<="" td=""><td>Fine</td><td>1.0</td></limit>	Fine	1.0
16-Dec-21	23:00	51.6	49.7	40.1 - 58.2	55	Measured Noise Level <limit level<="" td=""><td>Fine</td><td>1.2</td></limit>	Fine	1.2
23-Dec-21	23:10	52.3			55	Measured Noise Level <limit level<="" td=""><td>Overcast</td><td>0.7</td></limit>	Overcast	0.7
30-Dec-21	23:02	52.5			55	Measured Noise Level <limit level<="" td=""><td>Fine</td><td>1.4</td></limit>	Fine	1.4

#### NMS 3 Hilton Plaza

Date	Start Time	Average Leq (15 min) (dB(A))	Baseline (dB(A))	Baseline Range (dB(A))	Limit Level (dB(A))	Corrected Noise Level (dB(A))	Weather	Wind Speed (m/s)
02-Dec-21	23:22	62.9			55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.9</td></baseline<>	Fine	0.9
09-Dec-21	23:28	64.0			55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.9</td></baseline<>	Fine	0.9
16-Dec-21	23:21	61.9	70.9	60.2 - 78.9	55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.7</td></baseline<>	Fine	0.7
23-Dec-21	23:20	59.8			55	Measured Noise Level <baseline< td=""><td>Overcast</td><td>0.7</td></baseline<>	Overcast	0.7
30-Dec-21	23:20	66.2			55	Measured Noise Level <baseline< td=""><td>Fine</td><td>1.0</td></baseline<>	Fine	1.0

#### NMS 4 Tin Liu

Date	Start Time	Average Leq (15 min) (dB(A))	Baseline (dB(A))	Baseline Range (dB(A))	Limit Level (dB(A))	Corrected Noise Level (dB(A))	Weather	Wind Speed (m/s)
02-Dec-21	23:33	61.9			55	Measured Noise Level <baseline< td=""><td>Fine</td><td>1.2</td></baseline<>	Fine	1.2
09-Dec-21	23:35	61.1			55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.5</td></baseline<>	Fine	0.5
16-Dec-21	23:42	60.7	62.6	53.1 - 68.1	55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.8</td></baseline<>	Fine	0.8
23-Dec-21	23:32	62.4			55	Measured Noise Level <baseline< td=""><td>Overcast</td><td>0.4</td></baseline<>	Overcast	0.4
30-Dec-21	23:30	61.3			55	Measured Noise Level <baseline< td=""><td>Fine</td><td>2.0</td></baseline<>	Fine	2.0

#### NMS 5A Wai Wah Centre (Site Boundary)

Start Time	Average Leq (15 min) (dB(A))	Baseline (dB(A))	Baseline Range (dB(A))	Limit Level (dB(A))	Corrected Noise Level (dB(A))	Weather	Wind Speed (m/s)
23:45	67.8			55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.9</td></baseline<>	Fine	0.9
23:46	65.6			55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.8</td></baseline<>	Fine	0.8
23:40	67.9	67.9	62.0 - 75.2	55	Measured Noise Level=Baseline	Fine	0.7
23:38	64.7			55	Measured Noise Level <baseline< td=""><td>Overcast</td><td>1.2</td></baseline<>	Overcast	1.2
23:41	67.6			55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.7</td></baseline<>	Fine	0.7
	23:45 23:46 23:40 23:38	Start Time         min) (dB(A))           23:45         67.8           23:46         65.6           23:40         67.9           23:38         64.7	Start Time         min) (dB(A))         (dB(A))           23:45         67.8           23:46         65.6           23:40         67.9           23:38         64.7	Start Time         min) (dB(A))         (dB(A))         Range (dB(A))           23:45         67.8         1000000000000000000000000000000000000	Start Time         min) (dB(A))         (dB(A))         Range (dB(A))         (dB(A))           23:45         67.8         55           23:46         65.6         55           23:40         67.9         67.9         62.0 - 75.2         55           23:38         64.7         55         55	Start Timemin) (dB(A))(dB(A))Range (dB(A))(dB(A))Corrected Noise Level (dB(A))23:4567.823:4665.623:4067.923:3864.7	Start Timemin) (dB(A))(dB(A))Range (dB(A))(dB(A))Corrected Noise Level (dB(A))Weather23:4567.823:4665.623:4067.923:3864.7

Note: \*Corrected Noise Level in Leq (15min) dB(A) was/were lower than Limit level: 55 dB(A).

#### NMS 6A Wai Wah Centre (Site Boundary)

Date	Start Time	Average Leq (15 min) (dB(A))	Baseline (dB(A))	Baseline Range (dB(A))	Limit Level (dB(A))	Corrected Noise Level (dB(A))	Weather	Wind Speed (m/s)
03-Dec-21	00:03	70.9			55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.9</td></baseline<>	Fine	0.9
10-Dec-21	00:08	69.8			55	Measured Noise Level <baseline< td=""><td>Fine</td><td>1.1</td></baseline<>	Fine	1.1
16-Dec-21	23:58	71.2	71.5	65.0 - 85.9	55	Measured Noise Level <baseline< td=""><td>Fine</td><td>1.2</td></baseline<>	Fine	1.2
23-Dec-21	23:57	66.7			55	Measured Noise Level <baseline< td=""><td>Overcast</td><td>1.0</td></baseline<>	Overcast	1.0
30-Dec-21	23:59	70.4			55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.8</td></baseline<>	Fine	0.8

If measured noise level (L<sub>eq</sub>) > limit level, Corrected noise level (CNL) is calculated as:  $10 \times log \left[ \left( 10^{\frac{Measured noise level, Leq}{10}} \right) - \left( 10^{\frac{Baseline noise level}{10}} \right) \right]$ 

#### NMS 7 Tin Liu

Date	Start Time	Average Leq (15 min) (dB(A))	Baseline (dB(A))	Baseline Range (dB(A))	Limit Level (dB(A))	Corrected Noise Level (dB(A))	Weather	Wind Speed (m/s)
02-Dec-21	23:53	59.9			55	52.6*	Fine	1.1
09-Dec-21	23:54	59.9			55	52.8*	Fine	0.5
16-Dec-21	23:23	58.8	59.0	51.4 - 65.5	55	Measured Noise Level <baseline< td=""><td>Fine</td><td>1.4</td></baseline<>	Fine	1.4
23-Dec-21	23:52	59.8			55	52.3*	Overcast	0.3
30-Dec-21	23:51	58.1			55	Measured Noise Level <baseline< td=""><td>Fine</td><td>1.4</td></baseline<>	Fine	1.4

Note:

\*Corrected Noise Level in Leq (15min) dB(A) was/were lower than Limit level: 55 dB(A).

#### NMS 8 Shatin Plaza

Date	Start Time	Average Leq (15 min) (dB(A))	Baseline (dB(A))	Baseline Range (dB(A))	Limit Level (dB(A))	Corrected Noise Level (dB(A))	Weather	Wind Speed (m/s)
03-Dec-21	00:19	61.4			55	Measured Noise Level <baseline< td=""><td>Fine</td><td>1.0</td></baseline<>	Fine	1.0
10-Dec-21	00:30	62.7			55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.7</td></baseline<>	Fine	0.7
17-Dec-21	00:30	62.3	64.4	55.6 - 72.8	55	Measured Noise Level <baseline< td=""><td>Fine</td><td>1.4</td></baseline<>	Fine	1.4
24-Dec-21	00:21	59.5			55	Measured Noise Level <baseline< td=""><td>Overcast</td><td>1.0</td></baseline<>	Overcast	1.0
31-Dec-21	00:24	58.5			55	Measured Noise Level <baseline< td=""><td>Fine</td><td>1.0</td></baseline<>	Fine	1.0

#### NMS 9 Lek Yuen Estate

Date	Start Time	Average Leq (15 min) (dB(A))	Baseline (dB(A))	Baseline Range (dB(A))	Limit Level (dB(A))	Corrected Noise Level (dB(A))	Weather	Wind Speed (m/s)
03-Dec-21	01:02	55.6			55	51.4*	Fine	0.7
10-Dec-21	01:15	56.5			55	53.5*	Fine	1.0
17-Dec-21	01:15	54.4	53.5	39.5 - 63.1	55	Measured Noise Level <limit level<="" td=""><td>Fine</td><td>0.9</td></limit>	Fine	0.9
24-Dec-21	02:20	56.5			55	53.5*	Overcast	0.8
31-Dec-21	01:06	56.2			55	52.8*	Fine	0.7

Note:

\*Corrected Noise Level in Leq (15min) dB(A) was/were lower than Limit level: 55 dB(A).

#### NMS 11 Sheung Wo Che

Date	Start Time	Average Leq (15 min) (dB(A))	Baseline (dB(A))	Baseline Range (dB(A))	Limit Level (dB(A))	Corrected Noise Level (dB(A))	Weather	Wind Speed (m/s)
03-Dec-21	00:56	53.4			55	Measured Noise Level <limit level<="" td=""><td>Fine</td><td>0.9</td></limit>	Fine	0.9
10-Dec-21	00:09	54.4			55	Measured Noise Level <limit level<="" td=""><td>Fine</td><td>1.1</td></limit>	Fine	1.1
17-Dec-21	00:50	52.3	53.2	46.1 - 62.8	55	Measured Noise Level <limit level<="" td=""><td>Fine</td><td>0.3</td></limit>	Fine	0.3
24-Dec-21	01:00	53.7			55	Measured Noise Level <limit level<="" td=""><td>Overcast</td><td>0.3</td></limit>	Overcast	0.3
31-Dec-21	01:05	50.3			55	Measured Noise Level <limit level<="" td=""><td>Fine</td><td>1.1</td></limit>	Fine	1.1

If measured noise level (L<sub>eq</sub>) > limit level, Corrected noise level (CNL) is calculated as:  $10 \times \log \left[ \left( 10^{\frac{Measured noise level, Leq}{10}} \right) - \left( 10^{\frac{Baseline noise level}{10}} \right) \right]$ 

#### NMS 13 Lek Yuen Estate

Date	Start Time	Average Leq (15 min) (dB(A))	Baseline (dB(A))	Baseline Range (dB(A))	Limit Level (dB(A))	Corrected Noise Level (dB(A))	Weather	Wind Speed (m/s)
03-Dec-21	01:23	56.7			55	Measured Noise Level <baseline< td=""><td>Fine</td><td>1.4</td></baseline<>	Fine	1.4
10-Dec-21	01:38	53.7			55	Measured Noise Level <limit level<="" td=""><td>Fine</td><td>0.7</td></limit>	Fine	0.7
17-Dec-21	01:37	58.9	57.3	45.4 - 72.5	55	53.8*	Fine	1.1
24-Dec-21	01:09	56.5			55	Measured Noise Level <baseline< td=""><td>Overcast</td><td>1.3</td></baseline<>	Overcast	1.3
31-Dec-21	01:29	55.3			55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.8</td></baseline<>	Fine	0.8

Note:

\*Corrected Noise Level in Leq (15min) dB(A) was/were lower than Limit level: 55 dB(A).

#### NMS 14 Sheung Wo Che

Date	Start Time	Average Leq (15 min) (dB(A))	Baseline (dB(A))	Baseline Range (dB(A))	Limit Level (dB(A))	Corrected Noise Level (dB(A))	Weather	Wind Speed (m/s)
02-Dec-21	01:23	56.9			55	53.7*	Fine	0.7
10-Dec-21	01:23	56.0			55	51.4*	Fine	0.8
16-Dec-21	01:20	54.7	54.1	46.1 - 62.8	55	Measured Noise Level <limit level<="" td=""><td>Fine</td><td>1.0</td></limit>	Fine	1.0
23-Dec-21	01:21	56.5			55	52.8*	Overcast	0.7
30-Dec-21	01:24	51.8			55	Measured Noise Level <limit level<="" td=""><td>Fine</td><td>0.9</td></limit>	Fine	0.9

Note:

\*Corrected Noise Level in Leq (15min) dB(A) was/were lower than Limit level: 55 dB(A).

#### NMS 15 Ha Wo Che

Date	Start Time	Average Leq (15 min) (dB(A))	Baseline (dB(A))	Baseline Range (dB(A))	Limit Level (dB(A))	Corrected Noise Level (dB(A))	Weather	Wind Speed (m/s)
03-Dec-21	01:45	59.2			55	48.9*	Fine	0.6
10-Dec-21	01:44	58.9			55	43.9*	Fine	0.8
17-Dec-21	01:48	58.0	58.8	48.4 - 69.7	55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.7</td></baseline<>	Fine	0.7
24-Dec-21	01:45	58.9			55	42.0*	Overcast	0.7
31-Dec-21	01:44	57.2			55	Measured Noise Level <baseline< td=""><td>Fine</td><td>1.6</td></baseline<>	Fine	1.6

\*Corrected Noise Level in Leq (15min) dB(A) was/were lower than Limit level: 55 dB(A). Note:

#### NMS 16 Ha Wo Che

Date	Start Time	Average Leq (15 min) (dB(A))	Baseline (dB(A))	Baseline Range (dB(A))	Limit Level (dB(A))	Corrected Noise Level (dB(A))	Weather	Wind Speed (m/s)
03-Dec-21	02:09	59.5			55	Measured Noise Level <baseline< td=""><td>Fine</td><td>1.0</td></baseline<>	Fine	1.0
10-Dec-21	02:05	58.4			55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.5</td></baseline<>	Fine	0.5
17-Dec-21	02:17	55.6	60.1	51.4 - 69.5	55	Measured Noise Level=Baseline	Fine	1.0
24-Dec-21	02:06	58.0			55	Measured Noise Level <baseline< td=""><td>Overcast</td><td>0.5</td></baseline<>	Overcast	0.5
31-Dec-21	02:02	57.4			55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.8</td></baseline<>	Fine	0.8

#### NMS 18 Ha Wo Che

Date	Start Time	Average Leq (15 min) (dB(A))	Baseline (dB(A))	Baseline Range (dB(A))	Limit Level (dB(A))	Corrected Noise Level (dB(A))	Weather	Wind Speed (m/s)
03-Dec-21	02:28	56.9			55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.7</td></baseline<>	Fine	0.7
10-Dec-21	02:30	56.5			55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.9</td></baseline<>	Fine	0.9
17-Dec-21	02:38	55.1	63.2	56.0 - 72.1	55	Measured Noise Level <baseline< td=""><td>Fine</td><td>1.2</td></baseline<>	Fine	1.2
24-Dec-21	02:30	55.3			55	Measured Noise Level <baseline< td=""><td>Overcast</td><td>0.9</td></baseline<>	Overcast	0.9
31-Dec-21	02:22	61.9			55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.4</td></baseline<>	Fine	0.4

If measured noise level (L<sub>eq</sub>) > limit level, Corrected noise level (CNL) is calculated as:  $10 \times log \left[ \left( 10^{\frac{Measured noise level, Leq}{10}} \right) - \left( 10^{\frac{Baseline noise level}{10}} \right) \right]$ 

#### NMS 19 Wo Che Estate

Date	Start Time	Average Leq (15 min) (dB(A))	Baseline (dB(A))	Baseline Range (dB(A))	Limit Level (dB(A))	Corrected Noise Level (dB(A))	Weather	Wind Speed (m/s)
03-Dec-21	01:56	59.9			55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.7</td></baseline<>	Fine	0.7
10-Dec-21	02:14	59.2			55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.0</td></baseline<>	Fine	0.0
17-Dec-21	02:00	61.6	61.7	53.8 - 72.8	55	Measured Noise Level <baseline< td=""><td>Fine</td><td>1.4</td></baseline<>	Fine	1.4
24-Dec-21	01:32	58.2			55	Measured Noise Level <baseline< td=""><td>Overcast</td><td>1.4</td></baseline<>	Overcast	1.4
31-Dec-21	01:57	60.0			55	Measured Noise Level <baseline< td=""><td>Fine</td><td>1.0</td></baseline<>	Fine	1.0

#### NMS 20 Wo Che Estate

Date	Start Time	Average Leq (15 min) (dB(A))	Baseline (dB(A))	Baseline Range (dB(A))	Limit Level (dB(A))	Corrected Noise Level (dB(A))		Wind Speed (m/s)
03-Dec-21	02:14	52.4			55	Measured Noise Level <limit level<="" td=""><td>Fine</td><td>1.0</td></limit>	Fine	1.0
10-Dec-21	02:32	56.8			55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.0</td></baseline<>	Fine	0.0
17-Dec-21	02:18	55.9	57.7	48.6 - 71.7	55	Measured Noise Level <baseline< td=""><td>Fine</td><td>1.0</td></baseline<>	Fine	1.0
24-Dec-21	01:54	56.8			55	Measured Noise Level <baseline< td=""><td>Overcast</td><td>0.9</td></baseline<>	Overcast	0.9
31-Dec-21	02:18	54.0			55	Measured Noise Level <limit level<="" td=""><td>Fine</td><td>0.9</td></limit>	Fine	0.9

#### NMS 23 Pai Tau

Date	Start Time	Average Leq (15 min) (dB(A))	Baseline (dB(A))	Baseline Range (dB(A))	Limit Level (dB(A))	Corrected Noise Level (dB(A))	Weather	Wind Speed (m/s)
03-Dec-21	00:18	58.2			55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.8</td></baseline<>	Fine	0.8
09-Dec-21	00:20	59.3			55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.7</td></baseline<>	Fine	0.7
17-Dec-21	00:02	60.0	59.9	47.8 - 69.8	55	44.5*	Fine	0.6
24-Dec-21	00:16	60.1			55	47.2*	Overcast	0.4
31-Dec-21	00:17	55.8			55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.9</td></baseline<>	Fine	0.9

\*Corrected Noise Level in Leq (15min) dB(A) was/were lower than Limit level: 55 dB(A). Note:

#### NMS 24 Shatin Plaza

Start Time	Average Leq (15 min) (dB(A))	Baseline (dB(A))	Baseline Range (dB(A))	Limit Level (dB(A))	Corrected Noise Level (dB(A))	Weather	Wind Speed (m/s)
00:37	58.5			55	48.6*	Fine	1.2
00:49	57.4			55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.6</td></baseline<>	Fine	0.6
00:48	58.7	58.0	50.2 - 66.7	55	50.7*	Fine	1.4
00:40	58.1			55	40.3*	Overcast	0.9
00:43	56.4			55	Measured Noise Level <baseline< td=""><td>Fine</td><td>1.0</td></baseline<>	Fine	1.0
	00:37 00:49 00:48 00:40 00:43	Start Time         min) (dB(A))           00:37         58.5           00:49         57.4           00:48         58.7           00:40         58.1           00:43         56.4	Start Time         min) (dB(Å))         (dB(A))           00:37         58.5           00:49         57.4           00:48         58.7           00:40         58.1           00:43         56.4	Start Time         min) (dB(A))         (dB(A))         Range (dB(A))           00:37         58.5         00:49         57.4           00:48         58.7         58.0         50.2 - 66.7           00:43         56.4         58.0         50.2 - 66.7	Start Time         min) (dB(A))         (dB(A))         Range (dB(A))         (dB(A))           00:37         58.5         55         55           00:49         57.4         55           00:48         58.7         55           00:40         58.1         55           00:43         56.4         55	Start Time         min) (dB(A))         (dB(A))         (dB(A))         Range (dB(A))         (dB(A))         Corrected Noise Level (dB(A))           00:37         58.5         55         48.6*           00:49         57.4         55         48.6*           00:48         58.7         50.2 - 66.7         55         50.7*           00:40         58.1         55         40.3*	Start Time         min (dB(A))         (dB(A))         Range (dB(A))         (dB(A))         Corrected Noise Level (dB(A))         Weather           00:37         58.5         55         48.6*         Fine           00:49         57.4         55         Measured Noise Level <baseline< td="">         Fine           00:48         58.7         50.2 - 66.7         55         50.7*         Fine           00:43         56.4         55         Measured Noise Level <baseline< td="">         Fine           55         40.3*         Overcast         55         Measured Noise Level <baseline< td="">         Fine</baseline<></baseline<></baseline<>

Note:

\*Corrected Noise Level in Leq (15min) dB(A) was/were lower than Limit level: 55 dB(A).

#### NMS 25A Sheung Wo Che

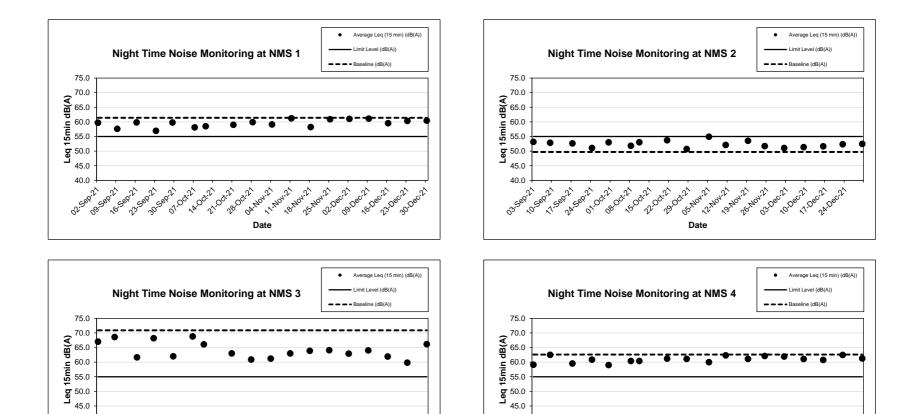
Date	Start Time	Average Leq (15 min) (dB(A))	Baseline (dB(A))	Baseline Range (dB(A))	Limit Level (dB(A))	Corrected Noise Level (dB(A))		Wind Speed (m/s)
03-Dec-21	00:37	52.4			55	Measured Noise Level <limit level<="" td=""><td>Fine</td><td>0.5</td></limit>	Fine	0.5
10-Dec-21	00:41	53.3			55	Measured Noise Level <limit level<="" td=""><td>Fine</td><td>0.9</td></limit>	Fine	0.9
17-Dec-21	00:28	57.3	59.7	50.3 - 68.4	55	Measured Noise Level <baseline< td=""><td>Fine</td><td>1.3</td></baseline<>	Fine	1.3
24-Dec-21	00:39	53.9			55	Measured Noise Level <limit level<="" td=""><td>Overcast</td><td>0.6</td></limit>	Overcast	0.6
31-Dec-21	00:44	56.9			55	Measured Noise Level <baseline< td=""><td>Fine</td><td>1.2</td></baseline<>	Fine	1.2

#### NMS 26 Wo Che Estate

Date	Start Time	Average Leq (15 min) (dB(A))	Baseline (dB(A))	Baseline Range (dB(A))	Limit Level (dB(A))	Corrected Noise Level (dB(A))	Weather	Wind Speed (m/s)
03-Dec-21	02:50	61.1			55	Measured Noise Level <baseline< td=""><td>Fine</td><td>1.3</td></baseline<>	Fine	1.3
10-Dec-21	02:52	59.7			55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.6</td></baseline<>	Fine	0.6
17-Dec-21	02:58	59.4	61.2	45.7 - 70.1	55	Measured Noise Level <baseline< td=""><td>Fine</td><td>1.1</td></baseline<>	Fine	1.1
24-Dec-21	02:52	61.9			55	53.6*	Overcast	0.4
31-Dec-21	02:47	60.8			55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.9</td></baseline<>	Fine	0.9
Noto:			Emin) dP(A					0.3

Note: \*Corrected Noise Level in Leq (15min) dB(A) was/were lower than Limit level: 55 dB(A).

If measured noise level (L<sub>eq</sub>) > limit level, Corrected noise level (CNL) is calculated as:  $10 \times log \left[ \left( 10^{\frac{Measured noise level, Leq}{10}} \right) - \left( 10^{\frac{Baseline noise level}{10}} \right) \right]$ 



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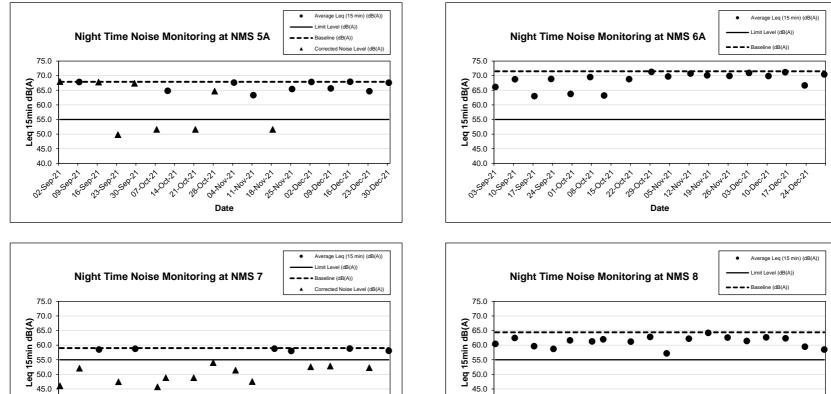
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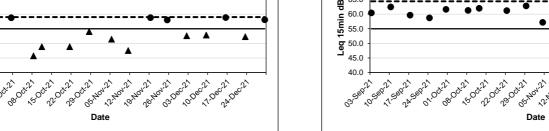
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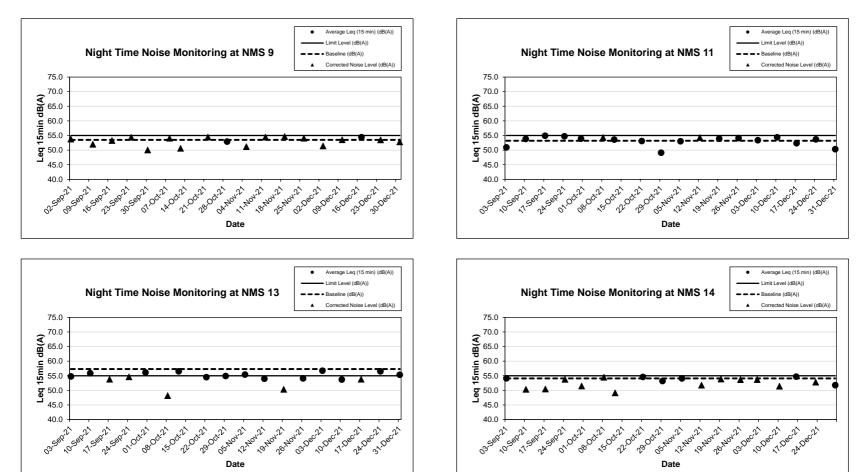
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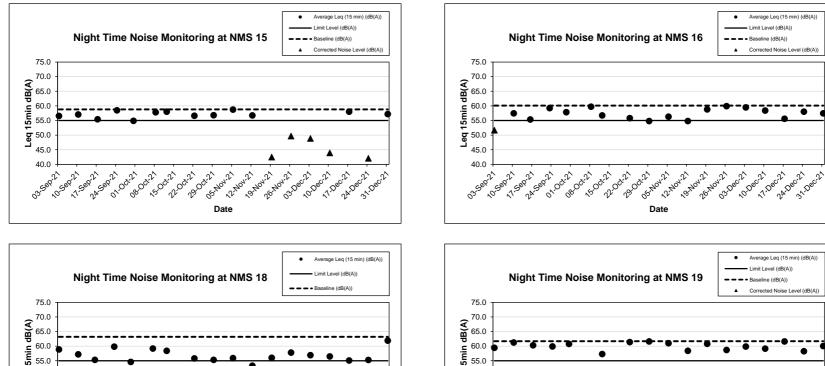


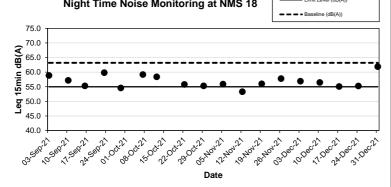
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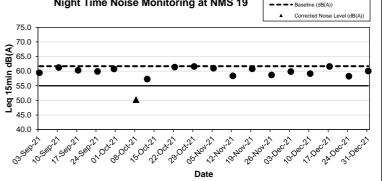
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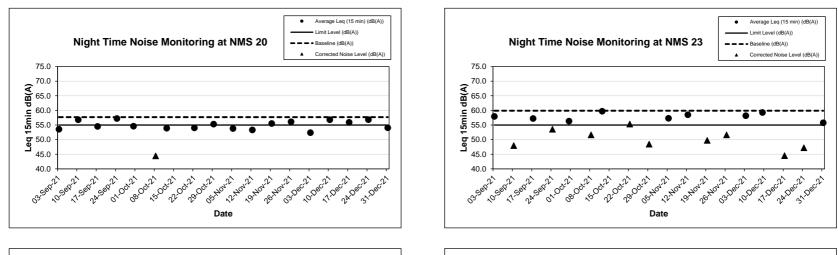
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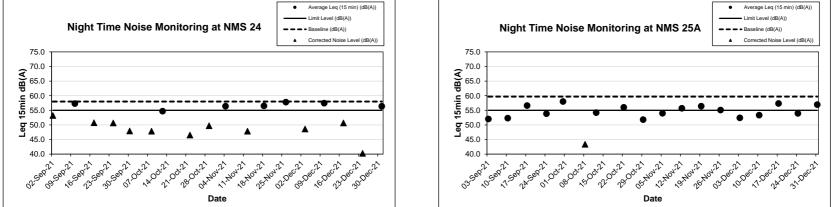


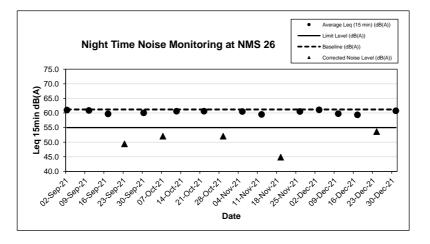












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Appendix H

**Events and Action Plan** 

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EVENT		ACTION	Just Monitoring	
272.00	ET Leader	IEC	SO	Contractor
Action Level 1. Exceedance for one sample	<ol> <li>Identify the source.</li> <li>Inform the IEC and the SO.</li> <li>Repeat measurement to confirm findings.</li> <li>Increase monitoring frequency to daily.</li> </ol>	<ol> <li>Check monitoring data submitted by the ET Leader.</li> <li>Check Contractor's working method.</li> </ol>	1. Notify Contractor.	<ol> <li>Rectify any unacceptable practice.</li> <li>Amend working methods if appropriate.</li> </ol>
2. Exceedance for two or more consecutive samples	<ol> <li>Identify the source.</li> <li>Inform the IEC and the SO.</li> <li>Repeat measurement to confirm findings.</li> <li>Increase monitoring frequency to daily.</li> <li>Discuss with the IEC and the Contractor on remedial actions required.</li> <li>If exceedance continues, arrange meeting with the IEC and the SO.</li> <li>If exceedance stops, cease additional monitoring.</li> </ol>	<ol> <li>Check monitoring data submitted by the ET Leader.</li> <li>Check the Contractor's working method.</li> <li>Discuss with the ET Leader and the Contractor on possible remedial measures.</li> <li>Advise the SO on the effectiveness of the proposed remedial measures.</li> <li>Supervisor implementation of remedial measures.</li> </ol>	<ol> <li>Confirm receipt of notification of failure in writing.</li> <li>Notify the Contractor.</li> <li>Ensure remedial measures properly implemente d.</li> </ol>	<ol> <li>Submit proposals for remedial actions to IEC within 3 working days of notification.</li> <li>Implement the agreed proposals.</li> <li>Amend proposal if appropriate.</li> </ol>
Limit Level				
1. Exceedance for one sample	<ol> <li>Identify the source.</li> <li>Inform the SO and the EPD.</li> <li>Repeat measurement to confirm findings.</li> <li>Increase monitoring frequency to daily.</li> <li>Assess effectiveness of Contractor's remedial actions and keep the IEC, the EPD and the SO informed of the results.</li> </ol>	<ol> <li>Check monitoring data submitted by the ET Leader.</li> <li>Check Contractor's working method.</li> <li>Discuss with the ET Leader and the Contractor on possible remedial measures.</li> <li>Advise the SO on the effectiveness of the proposed remedial measures.</li> <li>Supervisor implementation of remedial measures.</li> </ol>	<ol> <li>Confirm receipt of notification of failure in writing.</li> <li>Notify the Contractor.</li> <li>Ensure remedial measures are properly implemented.</li> </ol>	<ol> <li>Take immediate action to avoid further exceedance.</li> <li>Submit proposals for remedial actions to IEC within 3 working days of notification.</li> <li>Implement the agreed proposals.</li> <li>Amend proposal if appropriate.</li> </ol>
2. Exceedance	1. Notify the IEC, the SO and the EPD and the	1. Discuss amongst the SO, ET	<ol> <li>Confirm receipt of</li> </ol>	1. Take immediate action to avoid

#### Event and Action Plan for Construction Dust Monitoring

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EVENT		ACTION		
	ET Leader	IEC	SO	Contractor
for two or more consecutive samples	<ul> <li>Contractor.</li> <li>Identify the source.</li> <li>Repeat measurement to confirm findings.</li> <li>Increase monitoring frequency to daily.</li> <li>Carry out analysis of the Contractor's working procedures to determine possible mitigation to be implemented.</li> <li>Arrange meeting with the IEC and the SO to discuss the remedial actions to be taken.</li> <li>Assess effectiveness of Contractor's remedial actions and keep the IEC, the EPD and the SO informed of the results.</li> <li>If exceedance stops, cease additional monitoring.</li> </ul>	Leader and the Contractor on the potential remedial actions. 2. Review the Contractor's remedial actions whenever necessary to assure their effectiveness and advise the SO accordingly. 3. Supervisor implementation of remedial measures.	<ul> <li>notification of failure in writing.</li> <li>2. Notify the Contractor.</li> <li>3. In consultation with the Contractor on the remedial measures to be implemented.</li> <li>4. Ensure remedial measures are properly implemented.</li> <li>5. If exceedance continues, consider what activity of the work is responsible and instruct the Contractor to stop that activity of work until the exceedance is abated.</li> </ul>	further exceedance. 2. Submit proposals for remedial actions to IEC within 3 working days of notification. 3. Implement the agreed proposals. 4. Resubmit proposals if problem still not under control. 5. Stop the relevant activity of works as determined by the SO until the exceedance is abated.

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## **Event and Action Plan for Noise Impact**

EVENT	ACTION			
	ET Leader	IEC	SO	Contractor
Action Level	<ol> <li>Notify the IEC and the Contractor.</li> <li>Carry out investigation.</li> <li>Report the results of investigation to the IEC.</li> <li>Discuss with the Contractor and formulate remedial measures.</li> <li>Increase monitoring frequency to check mitigation effectiveness.</li> </ol>	<ol> <li>Review the analysed results submitted by the ET.</li> <li>Review the proposed remedial measures by the Contractor and advise the SO accordingly.</li> <li>Supervise the implementation of remedial measures.</li> </ol>	<ol> <li>Confirm receipt of notification of failure in writing.</li> <li>Notify the Contractor.</li> <li>Require the Contractor to propose remedial measures for the analysed noise problem.</li> <li>Ensure remedial measures are properly implemented.</li> </ol>	<ol> <li>Submit noise mitigation proposals to IEC.</li> <li>Implement noise mitigation proposals.</li> </ol>
Limit Level	<ol> <li>Notify the IEC, the SO and the Contractor.</li> <li>Identify the source.</li> <li>Repeat measurement to confirm findings.</li> <li>Increase monitoring frequency.</li> <li>Carry out analysis of Contractor's working procedures to determine possible mitigation to be implemented.</li> <li>Inform the IEC, the SO and the EPD the causes &amp; actions taken for the exceedance.</li> <li>Assess effectiveness if the Contractor's remedial actions and keep the IEC and the SO informed of the results.</li> <li>If exceedance stops, cease additional monitoring.</li> </ol>	<ol> <li>Discuss amongst the SO, the ET Leader and the Contractor on the potential remedial actions.</li> <li>Review the Contractor's remedial actions whenever necessary to assure their effectiveness and advise the SO accordingly.</li> <li>Supervise the implementation of remedial measures.</li> </ol>	<ol> <li>Confirm receipt of notification of failure in writing.</li> <li>Notify the Contractor.</li> <li>Require the Contractor to propose remedial measures for the analysed noise problem.</li> <li>Ensure remedial measures are properly implemented.</li> <li>If exceedance continues, consider what activities of the work is responsible and instruct the Contractor to stop that activity of work until the exceedance is abated.</li> </ol>	<ol> <li>Take immediate action to avoid further exceedance,</li> <li>Submit proposals for remedial actions to IEC within 3 working days of notification.</li> <li>Implement the agreed proposals</li> <li>Resubmit proposals if problem still not under control</li> <li>Stop the relevant activity of works as determined by the SO until the exceedance is abated.</li> </ol>

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#### **Event and Action Plan for Landscape and Visual Impact**

Event					Action		
Event			ET		SO		Contractor
Non-conformity one occasion	on	1. 2. 3. 4.	Identify Source; Inform the Contractor and the SO; Discuss remedial actions with the SO and the Contractor; and Monitor remedial actions until rectification has been completed	1.	Notify Contractor; and Ensure remedial measures are properly implemented.	1.	Amend working methods; Rectify damage and undertake any necessary replacement.
Repeated conformity	Non-	<ol> <li>1.</li> <li>2.</li> <li>3.</li> <li>4.</li> <li>5.</li> <li>6.</li> </ol>	Identify Source; Inform the Contractor and the SO; Increase monitoring frequency; Discuss remedial actions with the SO and the Contractor; Monitor remedial actions until rectification has been completed; and If exceedance stops, cease additional monitoring.	1. 2.	Notify Contractor; and Ensure remedial measures are properly implemented.	1. 2.	Amend working methods; Rectify damage and undertake any necessary replacement.

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Appendix I

Waste Flow Table

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Waste Flow	Table for Ye	ar 2018									
		Actual Quant	ities of Inert C&I	D Materials Gene	erated Monthly		Actual Quantities of Non-inert C&D Wastes Generated Monthly				
Monthly Ending	Total Quantity Generated (Inert C&D)	Hard Rock and Large Broken Concrete	Reused in the Contract	Reused in other Projects	Disposed as Public Fill	Imported Fill	Metals	Paper/ cardboard packaging	Plastics (see Note 2)	Chemical Waste	Others, e.g. general refuse
	(in '000Ton)	(in '000kg)	(in '000Ton)	(in '000Ton)	(in '000Ton)	(in '000Ton)	(in '000 kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000Ton)
2018 Jan	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2018 Feb	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2018 Mar	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2018 Apr	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2018 May	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2018 Jun	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Sub-Total	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2018 Jul	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2018 Aug	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2018 Sep	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2018 Oct	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.013
2018 Nov	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.004
2018 Dec	0.001	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.001
Total	0.001	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.018

Note:

The waste flow table shall also include C&D materials that are specified in the Contract to be imported for use at the Site.

1) 2) Plastics refer to plastic bottles/containers, plastic sheets/foam from packaging materials.

3) The Contractor shall also submit the latest forecast of the total amount of C&D materials expected to be generated from the Works, together with a breakdown of the nature where the total amount of C&D materials expected to be generated from the Works is equal to or exceeding 50,000 m<sup>3</sup>.

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Waste Flow	Table for Ye	ar 2019									
		Actual Quant	ities of Inert C&I	D Materials Gene	erated Monthly		Actual Quantities of Non-inert C&D Wastes Generated Monthly				
Monthly Ending	Total Quantity Generated (Inert C&D)	Hard Rock and Large Broken Concrete	Reused in the Contract	Reused in other Projects	Disposed as Public Fill	Imported Fill	Metals	Paper/ cardboard packaging	Plastics (see Note 2)	Chemical Waste	Others, e.g. general refuse
	(in '000Ton)	(in '000kg)	(in '000Ton)	(in '000Ton)	(in '000Ton)	(in '000Ton)	(in '000 kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000Ton)
2019 Jan	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.021
2019 Feb	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.049
2019 Mar	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.048
2019 Apr	0.100	0.000	0.000	0.000	0.100	0.000	0.000	0.000	0.000	0.000	0.089
2019 May	0.150	0.000	0.000	0.000	0.150	0.000	0.000	0.000	0.000	0.000	0.175
2019 Jun	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.082
Sub-Total	0.250	0.000	0.000	0.000	0.250	0.000	0.000	0.000	0.000	0.000	0.464
2019 Jul	0.141	0.000	0.000	0.000	0.141	0.000	0.000	0.000	0.000	0.000	0.069
2019 Aug	0.431	0.000	0.221	0.000	0.210	0.000	0.000	0.000	0.000	0.000	0.154
2019 Sep	0.712	0.000	0.223	0.000	0.489	0.297	0.000	0.000	0.000	0.000	0.046
2019 Oct	0.663	0.000	0.306	0.000	0.357	1.085	0.001	0.027	0.009	0.000	0.027
2019 Nov	1.154	0.000	0.143	0.000	1.011	0.428	0.000	0.019	0.000	0.000	0.095
2019 Dec	0.849	0.000	0.023	0.000	0.826	0.074	0.000	0.014	0.001	0.000	0.034
Total	4.200	0.000	0.916	0.000	3.284	1.884	0.001	0.060	0.010	0.000	0.889

Note:

1) The waste flow table shall also include C&D materials that are specified in the Contract to be imported for use at the Site.

Plastics refer to plastic bottles/containers, plastic sheets/foam from packaging materials.

2) 3) The Contractor shall also submit the latest forecast of the total amount of C&D materials expected to be generated from the Works, together with a breakdown of the nature where the total amount of C&D materials expected to be generated from the Works is equal to or exceeding 50,000 m<sup>3</sup>.

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Waste Flow	/ Table for Ye	ar 2020									
		Actual Quant	ities of Inert C&I	D Materials Gene	erated Monthly		Actual Quantities of Non-inert C&D Wastes Generated Monthly				
Monthly Ending	Total Quantity Generated (Inert C&D)	Hard Rock and Large Broken Concrete	Reused in the Contract	Reused in other Projects	Disposed as Public Fill	Imported Fill	Metals	Paper/ cardboard packaging	Plastics (see Note 2)	Chemical Waste	Others, e.g. general refuse
	(in '000Ton)	(in '000kg)	(in '000Ton)	(in '000Ton)	(in '000Ton)	(in '000Ton)	(in '000 kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000Ton)
2020 Jan	0.584	0.000	0.027	0.000	0.557	0.040	0.001	0.030	0.001	0.000	0.039
2020 Feb	1.072	0.000	0.042	0.000	1.030	0.000	0.001	0.026	0.003	0.000	0.013
2020 Mar	0.422	0.000	0.006	0.000	0.416	0.062	0.000	0.000	0.000	0.000	0.054
2020 Apr	0.450	0.000	0.000	0.000	0.450	0.000	0.002	0.085	0.003	0.000	0.025
2020 May	1.144	0.000	0.000	0.000	1.144	0.319	0.001	0.021	0.005	0.000	0.027
2020 Jun	3.660	0.000	0.000	0.000	3.660	0.077	0.001	0.027	0.004	0.000	0.048
Sub-Total	7.332	0.000	0.075	0.000	7.257	0.498	0.006	0.189	0.016	0.000	0.206
2020 Jul	2.008	0.000	0.014	0.000	1.994	0.000	0.002	0.047	0.006	0.000	0.067
2020 Aug	2.215	0.000	0.018	0.000	2.197	0.000	0.001	0.040	0.006	0.000	0.014
2020 Sep	4.305	0.000	0.000	0.000	4.305	0.000	0.002	0.042	0.009	0.000	0.044
2020 Oct	3.073	0.000	0.002	0.000	3.071	0.000	0.001	0.019	0.005	0.000	0.029
2020 Nov	1.670	0.000	0.000	0.000	1.670	0.000	0.001	0.030	0.006	0.000	0.036
2020 Dec	3.498	0.000	0.000	0.000	3.498	0.000	24.751	0.036	0.006	0.000	0.042
Total	24.101	0.000	0.109	0.000	23.992	0.498	24.764	0.403	0.054	0.000	0.438

Note:

The waste flow table shall also include C&D materials that are specified in the Contract to be imported for use at the Site. 1)

Plastics refer to plastic bottles/containers, plastic sheets/foam from packaging materials.

2) 3) The Contractor shall also submit the latest forecast of the total amount of C&D materials expected to be generated from the Works, together with a breakdown of the nature where the total amount of C&D materials expected to be generated from the Works is equal to or exceeding 50,000 m<sup>3</sup>.

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Waste Flow	Naste Flow Table for Year 2021										
		Actual Quant	ities of Inert C&I	D Materials Gene	erated Monthly		Actual Quantities of Non-inert C&D Wastes Generated Monthly				
Monthly Ending	Total Quantity Generated (Inert C&D)	Hard Rock and Large Broken Concrete	Reused in the Contract	Reused in other Projects	Disposed as Public Fill	Imported Fill	Metals	Paper/ cardboard packaging	Plastics (see Note 2)	Chemical Waste	Others, e.g. general refuse
	(in '000Ton)	(in '000kg)	(in '000Ton)	(in '000Ton)	(in '000Ton)	(in '000Ton)	(in '000 kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000Ton)
2021 Jan	3.196	0.000	0.000	0.000	3.196	0.000	0.001	0.048	0.855	0.000	0.053
2021 Feb	3.877	0.000	0.000	0.000	3.877	0.032	0.000	0.010	1.642	0.000	0.013
2021 Mar	7.348	0.000	0.000	0.000	7.348	0.000	0.001	0.215	0.004	0.000	0.050
2021 Apr	3.302	0.000	0.000	0.000	3.302	0.100	0.002	0.013	0.004	0.000	0.050
2021 May	2.315	0.000	0.150	0.000	2.165	0.024	0.001	0.008	0.005	0.000	0.106
2021 Jun	1.809	0.000	0.307	0.000	1.502	0.059	0.000	0.000	0.000	0.000	0.029
Sub-Total	21.847	0.000	0.457	0.000	21.390	0.215	0.005	0.294	2.510	0.000	0.301
2021 Jul	2.693	0.000	0.019	0.000	2.674	0.262	0.003	0.011	0.007	0.000	0.119
2021 Aug	3.088	0.000	0.000	0.000	3.088	0.095	0.002	0.007	0.011	0.000	0.071
2021 Sep	1.698	0.000	0.000	0.000	1.698	0.000	0.001	0.004	0.003	0.000	0.049
2021 Oct	1.500	0.000	0.000	0.000	1.500	0.279	0.002	0.003	0.005	0.000	0.021
2021 Nov	3.258	0.000	0.000	0.000	3.258	0.015	0.002	0.009	0.007	0.000	0.070
2021 Dec	1.935	0.000	0.000	0.000	1.935	0.000	0.002	0.003	0.002	0.000	0.035
Total	36.019	0.000	0.476	0.000	35.543	0.866	0.017	0.331	2.545	0.000	0.666

Note:

The waste flow table shall also include C&D materials that are specified in the Contract to be imported for use at the Site. 1)

Plastics refer to plastic bottles/containers, plastic sheets/foam from packaging materials.

2) 3) The Contractor shall also submit the latest forecast of the total amount of C&D materials expected to be generated from the Works, together with a breakdown of the nature where the total amount of C&D materials expected to be generated from the Works is equal to or exceeding 50,000 m3.

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Appendix J

**Environmental Mitigation Implementation Schedule (EMIS)** 

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EIA Review Ref	Location	Environmental Protection Measures/	Implementation Agent	Implementation Status in Construction Phase	
		Noise Measures			
		<ul> <li>Scheduling the construction activities carefully according to the actual site work situation, avoid of concurrent activities and construction works fronting the affected schools, to minimize the total noise generated (max as 102dB (A).</li> </ul>	Contractor	Implemented	
				<ul> <li>PME is recommended to operate in sub-grouping, and different sub-groups shall not be operated concurrently within any half hour period</li> </ul>	Contractor
		<ul> <li>The construction activities should be carried out in the daytime hours (0700 – 1900). Construction Noise Permit (CNP) for constriction activities is required during evening or night time hours.</li> </ul>	Contractor	Implemented	
3.10.2, 3.10.3, 3.10.14,		<ul> <li>Construction work programme should be considered before actual construction work is undertaken, and noise mitigation measures should be implemented to minimize the potential construction noise impact. Selection and optimization of construction programmes, avoidance and reduction of parallel operation of noisy PME during noise sensitive periods.</li> </ul>	Contractor	Implemented	
3.10.15 and Table 3.10		<ul> <li>Use of well-maintained and regularly-serviced plant during the works.</li> </ul>	Contractor	Implemented	
	Within the boundaries of all construction	• Plant operating on intermittent basis should be turned off or throttled down when not in active use.	Contractor	Implemented	
		<ul> <li>Plant that is known to emit noise strongly in one direction should be orientated to face away from the NSRs.</li> </ul>	Contractor	Not Applicable	
		<ul> <li>Silencers, mufflers and enclosures for plant should be used where possible and maintained adequately throughout the works.</li> </ul>	Contractor	Not Applicable	
	sites.	Fixed plants should be sited away from NSRs where possible.	Contractor	Not Applicable	
		<ul> <li>Stockpiles of excavated materials and other structures such as site buildings should be used effectively to screen noise from the works.</li> </ul>	Contractor	Not Applicable	
3.10.4, 3.10.5 and		<ul> <li>The use of particular plant with equipment quieter than those specified in the GW-TM are recommended to reduce the noise levels generated by the plant.</li> </ul>	Contractor	Implemented	
Table 3.3		<ul> <li>Other type of quiet PME are allowed to use for their needs based on the actual construction conditions and programmes</li> </ul>	Contractor	Implemented	
		<ul> <li>Temporary noise barriers provide noise attenuation by screening NSRs from stationary and mobile plants from direct line-of-sight in shadow zone.</li> </ul>	Contractor	Implemented	
3.10.6 to 3.10.9		<ul> <li>The use of 3m high moveable barriers with skid footing and a small cantilevered upper portion should be adopted. The barrier material shall have a surface mass of not less than 14kg/m<sup>2</sup> on skid footing with 25mm thick internal sound absorptive lining to achieve the maximum screening effect.</li> </ul>	Contractor	Not Applicable	
		<ul> <li>These temporary noise barriers should be located immediately adjacent to working area.</li> </ul>	Contractor	Implemented	

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EIA Review Ref	Location	Environmental Protection Measures/	Implementation Agent	Implementation Status in Construction Phase
		<ul> <li>The temporary noise barriers should be located along the working area to make sure the construction plant could be screened during all kinds of construction activities as far as practicable.</li> </ul>	Contractor	Not Applicable
		<ul> <li>Noise jacket/muffler shall be used to cover the noisy part of the engine or at the engine exhaust of particular mobile plants respectively when temporary noise barriers are not practicable or noise reduction achieved is insufficient.</li> </ul>	Contractor	Implemented
		<ul> <li>For the stationary plant bored pile oscillator, temporary noise barriers of sufficient height with skid footing and small cantilevered upper portion should be provided.</li> </ul>	Contractor	Not Applicable
		<ul> <li>Barrier material of surface density of at least 14 kg/m<sup>2</sup> is recommended in order to achieve the necessary screening effect.</li> </ul>	Contractor	Not Applicable
3.10.10		<ul> <li>Full noise enclosures should cover the PME or fixed plants such as air compressor.</li> </ul>	Contractor	Not Applicable
		<ul> <li>Silencers, mufflers and enclosures for plant should be used where possible and maintained adequately throughout the works;</li> </ul>	Contractor	Not Applicable
3.10.3		Where possible fixed plants should be sited away from NSRs; and	Contractor	Not Applicable
		<ul> <li>Stockpiles of excavated materials and other structures such as site buildings should be used effectively to screen noise from the works.</li> </ul>	Contractor	Not Applicable
		Air Quality Measures		
		<ul> <li>The Contractor shall notify any specific construction works as stated in the Air Pollution Control (Construction Dust) Regulation to the Authority before the commencement of such work. Dust mitigation measures stipulated in the Air Pollution Control (Construction Dust) Regulation should be implemented to control dust emissions from all construction work sites.</li> </ul>		Implemented
	boundaries of	<ul> <li>The Contractor shall undertake at all times to prevent dust nuisance as a result of his activities. Dust suppression measures such as the water spraying are necessary and should be installed to ensure that the air quality at the boundary of the site and at any sensitive receivers complies with the Hong Kong Air Quality Objectives.</li> </ul>	Contractor	Implemented
	all construction sites.	<ul> <li>The Contractor shall apply for a license or permit under the requirements of the relevant legislation (e.g. Air Pollution Control Ordinance and its subsidiary regulations) wherever applicable.</li> </ul>	Contractor	Implemented
	Siles.	<ul> <li>Watering of unpaved areas, access roads, construction areas and dusty stockpiles shall be undertaken at least eight times daily during dry and windy weather. Watering of the haul road shall be undertaken four to eight times daily during dry or windy weather. Water sprays may be either fixed or mobile to follow individual areas to be wetted as and when required. Application of suitable wetting agents, such as dust suppression chemicals, shall be used in addition to water, especially during the dry season (October to December). It is also suggested that watering with</li> </ul>	Contractor	Implemented

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EIA Review Ref	Location	Environmental Protection Measures/	Implementation Agent	Implementation Status in Construction Phase
		complete coverage of active construction area eight times a day.		
		• Effective water sprays shall be used during the delivery and handling of all raw sand and aggregate, and other similar materials, wet dust is likely to be created and to dampen all stored materials during dry and windy weather.	Contractor	Implemented
		<ul> <li>Stockpiles of sand, aggregate or any other dusty materials greater than 20m<sup>3</sup> shall be enclosed on three sides, with walls extending above the pile and 1 meter beyond the front of the pile.</li> </ul>	Contractor	Partially Implemented
		• Suitable chemical wetting agent such as dust suppression chemical shall be used on completed cuts and fills to reduce wind erosion.	Contractor	Not Applicable
		• Areas within the construction site where there is a regular movement of vehicles shall have a paved surface and be kept clear of loose surface material.	Contractor	Implemented
		• The Contractor shall restrict all motorized vehicles within the construction site, excluding those on public roads, to maximum speed of 20 km per hour and confine haulage and delivery vehicles to designated roadways inside the Site.		Implemented
		<ul> <li>Construction working areas should be restricted to a minimum practicable size.</li> </ul>	Contractor	Implemented
		<ul> <li>The Contractor shall ensure that no earth, rock or debris is deposited on public or private rights of way as result of his activities, including any deposits arising from the movement of plant or vehicles.</li> </ul>	Contractor	Implemented
4.12.1		• The Contractor shall provide a wheel washing facility at the exits from work areas to the satisfaction of the Engineer and to the requirements of the Commissioner of Police. Water in wheel washing facilities and sediment shall be changed and removed respectively at least once a month.		Implemented
		• The Contractor shall submit details of the wheel washing facilities, which shall be usable prior to any earthworks excavation activity on the construction site. The Contractor shall also provide a hard-surfaced road between any washing facility and the public road.	Contractor	Implemented
		<ul> <li>In the event of any spoil or debris from construction works being deposited on adjacent land, or steams, or any slit being washed down to any area, then all such spoil, debris or material and silt shall be immediately removed and the affected land and areas restored to their natural state by the Contractor to the satisfaction of the Engineer.</li> </ul>	Contractor	Partially Implemented
		<ul> <li>If spoil cannot be immediately transported out of the Site, stockpiles should be stored in sheltered areas.</li> </ul>	Contractor	Implemented
		<ul> <li>Plant and vehicles shall be inspected annually to ensure that they are operating efficiently and that exhaust emissions are not causing a nuisance. All site vehicle exhausts should be directed vertically upwards or directed away from ground.</li> </ul>	Contractor	Implemented

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4.12.1, 4.13.1 and		•Construction dust monitoring shall be carried out at representative monitoring locations during the construction period.	Contractor	Implemented
Table 8.2		• Path for complaints and handling procedures should be set up and implement.	Contractor	Implemented
		<ul> <li>Dark smoke emission shall be control in accordance with the Air Pollution Control (Smoke) Regulation and ETWB TCW 19/2005.</li> </ul>	Contractor	Implemented
NA		<ul> <li>Plant and equipment should be well maintained to prevent dark smoke emission.</li> </ul>	Contractor	Implemented
		<ul> <li>Only approved or exempted Non-road Mobile Machineries (NRMMs) including regulated machines and non-road vehicles with proper labels are allowed to be used in specified activities on-site.</li> </ul>	Contractor	Partially Implemented
		Water Quality Measures		
		<ul> <li>Silt-laden surface run-off should be prevented from directly entering the sensitive receivers during the construction works. The mitigation measures described below for the construction phase are in accordance with ProPECC PN 1/94:</li> </ul>		Partially Implemented
	Within the	• Construction works should be programmed so as to minimise excavation during the wet season (April to September). If this is not possible then measures should be taken to minimise the areas exposed by covering temporary exposed slopes with tarpaulins or similar material, the protection of temporary road surfaces with gravel or crushed stone and the early reinstatement of final surfaces with hydro seed grass/shrub mixture. This latter measure would have the added benefit of reducing the windblown dust during the dry season. Where temporary covering of slopes is required this should be carried out before the onset of the rainfall or storm.	Contractor	Implemented
5.7	all	<ul> <li>Existing and newly constructed open manholes should be covered and sealed to prevent run off and water borne debris entering the drainage network without having previously passed through a sediment trap.</li> </ul>		Implemented
	sites.	<ul> <li>Stock piles of construction materials, sand and gravel or excavated material should be covered with tarpaulins prior to rainstorms. The washing of material from the stockpiles directly into the storm drains should be prevented by passing the run off through a sediment trap.</li> </ul>		Implemented
		• The surface water from the site should be discharged into storm water drain after passing through sand and silt traps designed to accommodate the maximum discharge from the site. Within the site channels, bunds or sandbags should be used to direct run off into the traps. Storm water from outwit the site should be prevented from washing over the site by the construction of interceptor channels at the site boundary. Both perimeter channels and the sedimentation traps should be constructed prior to the commencement of site formation and earthworks.	Contractor	Partially Implemented
		• The efficiency of the interceptor channels, traps and sedimentation chambers should be maintained	Contractor	Partially Implemented

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		by regular cleaning of accumulated silt and sand. Particular attention should be paid to maintenance following heavy rainfall and immediately after the issue of heavy rainfall warning by the Hong Kong Observatory.		
		<ul> <li>The ingress of rainwater into trenches should be minimised by the construction of bunds to prevent water flowing into the trench and covering by tarpaulins to prevent direct entry. The lengths of excavated trenches should be minimised and backfilled at the earliest opportunity. Water pumped from the trenches should be discharged to the storm water drains following passage through a suitable silt trap.</li> </ul>		Implemented
		<ul> <li>Any ground water seeping into any trenches or foundation works should be passed through a silt trap prior to discharge to the storm water drains.</li> </ul>	Contractor	Implemented
		• The water used for the washing down of mixing drums used for onsite batching of concrete and delivery lorries for off-site batched concrete should be recycled whenever possible. Wastewater generated from the washing which is discharged should be passed through a silt trap before discharge to the storm water system.	Contractor	Not Applicable
		<ul> <li>The wastewater from the washing of the wheels and subframe of vehicles returning from the site onto public roads will contain suspended solids and debris. A washing bay should be provided at the exit from the site and should, where practicable, incorporate water recirculation. Water from the washing bay which is discharged to the storm water system should first be passed through a silt trap which also includes an oil/grease removal weir.</li> </ul>	Contractor	Implemented
		• Plant maintenance areas should be paved to prevent waste oils soaking into the ground. Where possible the area should be undercover to minimise the formation of runoff and any runoff from the paved area passed through an oil trap before being discharged to the storm drains. Fuel storage tanks should be surrounded by bunds with a capacity of at least 150% of the storage capacity. The bunded areas should be able to be drained of rain water through the petrol interceptor and accumulated rain removed at regular intervals.		Not Applicable
		<ul> <li>Waste oils from the site should be collected and stored for recycling or disposal in accordance with the Waste Disposal Ordinance and absorbent cloths and granules should be available for the cleanup of spillages.</li> </ul>	Contractor	Implemented
		<ul> <li>Sewage from toilets and kitchens should be discharged directly into a foul sewer. If it is not possible to locate the site offices within easy access of a foul sewer a septic tank and soakaway should be constructed before the offices are occupied. Chemical toilets should be emptied on a daily basis and the contents taken to a foul sewer or the Sha Tin Sewage Treatment Works for disposal.</li> </ul>	Contractor	Implemented

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		Wastewater collected from canteen kitchens should be discharged to the foul sewers via grease traps which provide a minimum of 20 minutes retention during peak flow. All discharges into foul sewers and storm sewers should have to be complied with TM standards under WPCO.		
		<ul> <li>Run off from roofed surfaces of site facilities should be collected and diverted to a storm water drain.</li> <li>Passage through a silt trap is only required if the water is diverted via open .channels which might accumulate solids during non-rainy periods or which intercept surface run off from unpaved areas.</li> </ul>	Contractor	Not Applicable
		<ul> <li>Discharges from the site shall be required to meet the terms and conditions of a valid WPCO Water Pollution Control Ordinance (WPCO).</li> </ul>	Contractor	Implemented
		<ul> <li>Regular site inspection of the construction works shall be carried out to determine compliance with the Inspection should be included:</li> </ul>	e recommended m	nitigation measures.
		(i) The functioning of onsite surface water collection channels and sediment traps.	Contractor	Partially Implemented
		(ii) The functioning of interception channels at the boundary of the works areas	Contractor	Partially Implemented
		(iii) The covering of stockpiles of fill and construction materials and the routing of any run off through the sediment traps.	Contractor	Implemented
Section 12.6 of the		(iv) The pumping procedures for emptying trenches and other excavations and the use of silt traps prior to the discharge of the water to the storm water system.	Contractor	Implemented
Approved EIA Report		(v) The use of washwater for hosing down concrete mixing and delivery vehicles and other vehicles leaving the site and the routine of excess water from the facility through sediment traps.	Contractor	Implemented
		(vi) The operation of the plant maintenance areas to control small spillages and the correct management of the fuel storage bunded area.	Contractor	Implemented
		(vii) The connection of the site office wastewater discharge to an existing foul sewer if appropriate or the operation of the kitchen wastewater grease trap and the regular emptying of the chemical toilets	Contractor	Implemented
		(viii)The operation of the roof rain water collection and drainage system.	Contractor	Implemented
		Landscape and Visual Mitigation Measures		
		Construction Phase		
Table 6.5		• Existing trees shall be preserved as much as possible. Detailed tree preservation and transplanting proposals shall be submitted to relevant government departments for approval in accordance with DEVB TC (W) No. 7/2015.	Contractor	Implemented
	Project Boundary.	<ul> <li>Topsoil will be conserved as far as possible during the road improvement works and utilized during the replanting operations. The stock piling height of the topsoil will not be more than 2m.</li> </ul>	Contractor	Implemented

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		<ul> <li>Old and valuable trees (OVTs) identified in the Project Boundary shall be protected in accordance with ETWB TCW no. 29/2004.</li> </ul>	Contractor	Implemented
		• Night-time lighting glare shall be properly managed and control during construction so as to minimize any adverse visual impact on adjacent VSRs.	Contractor	Implemented
		<ul> <li>Decorative screen hoarding with design compatible with the surrounding landscape setting shall be erected along the southern boundary of Tai Po Road to mitigate any potential adverse impact on adjacent Pedestrian and Cyclists on Footpath/Bicycle Track.</li> </ul>		Not Applicable
		Operation Phase		
		• Compensatory planting shall be provided within and outside the project boundary where possible. Detailed compensatory planting proposal will be prepared in accordance with DEVB TC (W) No. 7/2015.	Contractor	Not Applicable
	During	<ul> <li>Planting shall be undertaken at the earliest practical time in the construction period. The planting proposal shall aim to strengthen the existing tree species and supplement the existing tree planting to provide an effective screen to ameliorate any potential landscape and visual impacts. The proposed species to be utilized for road improvement works shall be agreed with LCSD and future maintenance authorities. All the proposed species for compensatory planting shall be suitable for roadside streetscape planting.</li> </ul>	Contractor	Not Applicable
	within the Project Boundary.	• Provision of visually pleasing noise barriers and enclosures design shall be proposed. The design of these structures aims to minimize any potential visual impact and visually integrate the proposed structures into the adjacent landscape context. This should be achieved through the use of form, color, tones, materials and planting materials.		Not Applicable
		<ul> <li>Aesthetically pleasing hard landscape treatment of the carriageway and roadside furniture shall be proposed, including development of chromatic themes in the architectural treatment of engineering structures, and the consideration of landscape lighting and special landscape features.</li> </ul>	Contractor	Not Applicable
		• Shrubs and climbers planting are proposed on the facade of Noise Enclosures and Barriers to mitigate any adverse impact on adjacent VSRs in area where space for tree planting is not feasible.	Contractor	Not Applicable
		Waste Management Measures		
7.6.2 to 7.6.4	all	<ul> <li>In accordance with ETWB TC (W) No. 19/2005 - Environmental Management on Construction Sites", the Contractor shall prepare and implement a Waste Management Plan (WMP) as part of the Environmental Management Plan (EMP). The EMP shall describes the arrangements for avoidance, reuse, recovery, recycling, storage, collection, treatment and disposal of different</li> </ul>	Contractor	Implemented

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	sites.	categories of waste to be generated from the construction activities. Such a management plan should incorporate site specific factors, such as the designation of areas for segregation and temporary storage of reusable and recyclable materials. The EMP should be submitted to the Engineer for approval.		
		<ul> <li>The Contractor should implement the waste management practices in the EMP throughout the construction stage of the Project. The EMP should be reviewed regularly and updated by the Contractor.</li> </ul>		Implemented
		<ul> <li>Recommendations of good site practices and waste reduction measures should be stated in order to achieve avoidance and minimization of waste generation in the hierarchy.</li> </ul>	Contractor	Implemented
7.6.5 to 7.6.6		<ul> <li>Environmental Management Plan (EMP) and trip-ticket system shall be implemented for monitoring management of waste.</li> </ul>	Contractor	Implemented
		<ul> <li>Specific measures targeting the mitigation of impacts in works areas and the transportation of spoil off-site should be provided to minimize the potential impacts to the surrounding environment.</li> </ul>	Contractor	Implemented
7.6.7	within the	<ul> <li>To facilitate adoption of the best-practice philosophy, training shall be provided to all personnel working on site. The training shall promote the concept of general site cleanliness and clearly explain the appropriate waste management procedures defined in the EMP. Overall, the training should encourage all workers to reduce, reuse and recycle wastes.</li> </ul>	Contractor	Implemented
	construction	<ul> <li>The contractor's environmental performance shall be monitored and controlled through the weekly en environmental walks shall include:</li> </ul>	vironmental walks	. The items after the
	as	<ul> <li>A review of the EMP in particular the suitability of the environmental measures on nuisance abatement and waste management adopted by the contractor;</li> </ul>	Contractor	Implemented
	n routes to	<ul> <li>The environmental performance of the contractor and his sub-contractors;</li> </ul>	Contractor	Implemented
	designed areas for off-	<ul> <li>The effectiveness of the environmental measures on nuisance abatement and waste management implemented on the site, and any complaints received; and</li> </ul>	Contractor	Implemented
7.6.8 to 7.6.9	of materials/Pri	<ul> <li>The promptness of rectification or improvement actions of the Contractor on the defects and deficiencies identified during inspections of the site.</li> </ul>	Contractor	Implemented
	or to and during construction activities.	<ul> <li>Waste shall only be disposed of at licensed sites and the WMP should include procedures to ensure that illegal disposal of wastes does not occur. Only waste haulers authorized to collect the specific category of waste concerned should be employed and a trip ticket system shall be implemented for offsite disposal of inert C&amp;D materials and non-inert C&amp;D materials at public fill reception facilities and landfills, respectively. Appropriate measures should be employed to minimize windblown litter and dust during transportation by either covering trucks or transporting wastes in</li> </ul>	Contractor	Implemented

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		enclosed containers.		
7.6.10		• Work site(s) shall be arranged and managed to facilitate the proper management of wastes and materials. The WMP shall include plans indicating specific areas designated for the storage of particular types of waste, reusable and recyclable materials as well as areas and management proposals for any stockpiling areas. Waste storage areas should be well maintained and cleaned regularly. Specific provisions for different types of material are outlined below. In general, these areas should be designed to avoid cross contamination of materials as well as pollution of the surrounding environment.	Contractor	Implemented
	Ref     Location       6.10     6.11 to       6.11 to     6.14       6.15 to     6.15 to	<ul> <li>In order to minimize the impact resulting from collection and transportation of C&amp;D material for off- site disposal, the excavated fill materials should be reused on site as backfill material as far as possible.</li> </ul>		Implemented
		<ul> <li>Careful design, planning and good site management should be maintained in order to minimise over ordering and generation of surplus materials such as concrete, mortars and cement grouts. The design of formwork should maximise the use of standard wooden panels so that high reuse levels can be achieved. Alternatives such as steel formwork or plastic facing should be considered to increase the potential for reuse.</li> </ul>	Contractor	Implemented
7.6.11 to 7.6.14		<ul> <li>C&amp;D materials should be segregated on site into different waste and material types. The Contractor should clearly demonstrate in the EMP how he intends to maximise the reuse of C&amp;D material on-site. Where reuse of materials on site is not feasible, the Contractor should explore opportunities for recycling materials off-site, and inert C&amp;D materials shall be reused on site as much as possible.</li> </ul>	Contractor	Implemented
		<ul> <li>Paving bricks arising from existing pavement should be recycled on site as much as possible.</li> </ul>	Contractor	Not Applicable
		<ul> <li>Existing marginal roadside barriers comprise pre-cast units should be reused in the following widening works as much as possible,</li> </ul>	Contractor	Not Applicable
		<ul> <li>Existing bridge parapets comprise aluminum post and railings, which have a recyclable value and should be sold for reconditioning or reused for scrap metal as much as possible</li> </ul>	Contractor	Not Applicable
		<ul> <li>Any stockpile should be sited away from existing watercourses and suitably covered to prevent wind erosion and impacts on air and water quality.</li> </ul>	Contractor	Not Applicable
7.6.15 to		<ul> <li>Chemical waste shall be handled in accordance with the Code of Practice on the Packaging, Handle as follows. Containers used for the storage of chemical wastes should:</li> </ul>	ing and Storage	of Chemical Wastes
7.6.17		<ul> <li>be suitable for the substance they are holding, resistant to corrosion, maintained in a good condition, and securely closed;</li> </ul>	Contractor	Partially Implemented

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		<ul> <li>have a capacity of less than 450L unless the specifications have been approved by the EPD; and</li> </ul>	Contractor	Implemented
		<ul> <li>display a label in English and Chinese in accordance with instructions prescribed in Schedule 2 of the Waste Disposal (Chemical Waste) (General) Regulation (Cap. 354C).</li> </ul>	Contractor	Implemented
		The storage area for chemical wastes should:		
		<ul> <li>be clearly labelled and used solely for the storage of chemical waste;</li> </ul>	Contractor	Implemented
		• be enclosed on at least 3 sides;	Contractor	Implemented
		• have an impermeable floor and bunding, of capacity to accommodate 110% of the volume of the largest container or 20% by volume of the chemical waste stored in that area, whichever is the greatest;		Partially Implemented
		<ul> <li>have adequate ventilation;</li> </ul>	Contractor	Implemented
		• be covered to prevent rainfall entering (water collected within the bund must be tested and disposed as chemical waste if necessary); and	Contractor	Implemented
		<ul> <li>be arranged so that incompatible materials are adequately separated.</li> </ul>	Contractor	Implemented
		The Contractor shall register with EPD as a Chemical Waste Producer. Waste oils and other chemica (Chemical Waste) (General) Regulation will require disposal by appropriate means and could require Appropriate means include disposal:		
		<ul> <li>via a licensed waste collector; and</li> </ul>	Contractor	Implemented
		• to a facility licensed to receive chemical waste, such as the Chemical Waste Treatment Facility which also offers a chemical waste collection service and can supply the necessary storage containers; or		Implemented
		• to a reuser of the waste, under approval from EPD.	Contractor	Not Applicable
7.6.18 to 7.6.20		• General refuse generated on-site should be stored in enclosed bins or compaction units separate from construction and chemical wastes. A reputable waste collector should be employed by the Contractor to remove general refuse from the site, separately from construction and chemical wastes, on a daily or every second day basis to minimize odour, pest and litter impacts. The burning of refuse on construction sites is prohibited by law.	Contractor	Implemented
		Separate labelled bins should be provided if feasible.	Contractor	Implemented
		• Office waste can be reduced through recycling of paper if volume is large enough to warrant collection. Participation in a local collection scheme should be considered if one is available.	Contractor	Implemented
7.7.1		• All wastes produced during the construction of the Project shall be handled, stored, and disposed of in accordance with good waste management practices and relevant regulations and	Contractor	Implemented

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		requirements.		
		• The mitigation measures recommended in the EIA/EIA review report should form a basis of the WMP to be developed by the Contractor in the construction phase of the Project.	Contractor	Implemented
EP 1.5		General Condition		
N.A	During construction within the Project Boundary.	• The Permit Holder shall display conspicuously a copy of this Permit on the Project site(s) at all vehicular site entrance/exits or at a convenient location for public information at all times. The Permit Holder shall ensure that the most updated information about the Permit, including ant amended Permit, is displayed at such locations. If the Permit Holder surrenders a part or the whole of the Permit, the notice he sends to the Director shall also be displayed at the same locations as the original Permit. The suspended, varied or cancelled Permit shall be removed from display at the Project site(s).	Contractor	Implemented

Implementation status: Implemented / Partially Implemented / Not Implemented / Not Observed / Not Applicable

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Appendix K

Weather and Meteorological Conditions during Reporting Month

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Dete	Mean		Air Temperature	Mean Relative	Total					
Date	Pressure (hPa)	Maximum (deg. C)	Mean (deg. C)	Minimum (deg. C)	Humidity (%)	Rainfall (mm)				
December 2021										
1	1021.5	20.1	17.3	14.8	40	-				
2	1021.8	20.4	17.4	14.6	42	-				
3	1021.5	21.3	18.0	14.7	35	-				
4	1022.2	20.6	18.1	15.3	46	-				
5	1021.2	22.2	19.1	16.7	55	-				
6	1020.3	22.2	19.2	16.4	59	-				
7	1020.9	22.5	19.9	17.1	65	-				
8	1022.3	22.2	20.1	18.4	67	-				
9	1022.3	22.9	20.2	18.7	72	-				
10	1020.7	23.7	20.9	18.6	73	-				
11	1020.8	24.4	21.4	20.0	74	-				
12	1021.0	24.7	21.5	19.2	75	-				
13	1021.6	21.5	19.4	17.4	67	-				
14	1018.6	23.6	20.5	18.7	72	Trace				
15	1016.1	23.0	21.5	19.9	78	0.2				
16	1015.8	25.8	23.2	21.7	81	Trace				
17	1018.9	23.8	21.7	18.9	69	-				
18	1022.8	20.0	18.1	16.3	58	-				
19	1021.8	19.7	17.9	16.0	51	-				
20	1017.6	19.3	17.2	15.7	78	9.4				
21	1013.5	19.0	17.3	16.0	88	2.4				
22	1016.5	21.7	19.3	17.1	80	Trace				
23	1016.8	21.9	19.9	18.7	77	0.8				
24	1017.2	21.8	19.9	18.2	84	1.7				
25	1021.2	21.5	19.6	17.9	75	Trace				
26	1025.5	18.5	15.0	11.7	78	3.5				
27	1027.1	14.6	12.0	9.9	81	1.3				
28	1024.4	17.5	15.3	12.2	74	0.2				
29	1023.2	20.6	18.4	16.6	74	-				
30	1024.6	21.4	18.1	16.2	77	-				
31	1025.0	19.9	18.0	17.1	78	Trace				

Source: Hong Kong Observatory

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Appendix L

Cumulative statistics on Environmental Complaints, Notifications of Summons and Successful Prosecutions

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#### **Environmental Complaints Log**

Reference No.	Date of Complaint Received	Received From	Received By	Nature of Complaint	Date of Investigation	Investigation summary & Conclusion	Date of Reply
COM-2019- 005	2/2/2019	EPD	CCZJV	Noise	13/2/2019	According to the photo taken from the complainant, the complaint was related to the project. Although the tree felling works were covered by the valid CNP (GW-RN0783-18), Contractor was reminded to strictly follow and fully comply with the CNP conditions and the mitigation measures stipulated in the EM&A Manual when construction activities are operating during restricted hour. Contractor was recommended to increase the frequency of using the electrical chain saw instead of the diesel chain saw for reducing the noise impact. Environmental Team conducted additional ad-hoc noise monitoring on 19:00 14 <sup>th</sup> February 2019 to 07:00 15 <sup>th</sup> February 2019 for evaluate the effectiveness on the proposed mitigation measures. No project-related noise exceedance case on 14-15 Feb 2019 Contractor's night tree-felling and removal works. The proposed mitigation measures were effective for noise impact.	20/02/2019
COM-2019- 006	22/2/2019	Project Hotline of NE/2017/ 05	CCZJV	Noise	26/2/2019	According to the location of complainant from Kwai Wo House, the complaint was related to the project. Although the tree felling works were covered by the valid CNP (GW-RN0783-18), Contractor was reminded to strictly follow and fully comply with the CNP conditions and the mitigation measures stipulated in the EM&A Manual when construction activities are operating during restricted hour. An extended barrier at the top acts as a cantilever shape was recommended to modify the existing semi- enclosure installed in the cherry picker Also, three sides with top as a semi-enclosure to be used and those tree felling activities should be inside the semi-enclosure in the ground slope. The main contractor had been recommended to review their works program and methods of tree felling as to minimize the night time tree felling activities.	04/03/2019
COM-2019- 0010	28/3/2019	Project Hotline of NE/2017/ 05	CCZJV	Noise	28/3/2019	The complaint case should be related to the MTR night time maintenance works. Main Contractor used portable phones and head-set only for communication, and none of loudspeakers were allowed to be used. Main Contractor handled of tree debris	04/04/2019

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						into the lorry skip in care when loading. Besides, a layer of soft material (soil/tree debris) was observed leaving inside the skip of the grab lorry to reduce the loading noise. Contractor was reminded to strictly follow and fully comply with the CNP (GW-RN0132-19) conditions and the mitigation measures stipulated in the EM&A Manual when construction activities are operating during restricted hour.	
COM-2019- 0033	26/7/2019	Police visit on- site	CCZJV	Noise	26/7/2019	The complaint is related to the project. The Main Contractor comply with CNP No.: GW-RN0443-19 allowable construction site and within the site boundary to carry out night work on tree felling and the clearance of felled tree debris during the restricted hour. Contractor was reminded to strictly follow and fully comply with the CNP (GW-RN0443-19) conditions and the mitigation measures stipulated in the EM&A Manual when construction activities are operating during restricted hour. Contractor was recommended to increase the frequency of using the electrical chain saw instead of the diesel chain saw for reducing the noise impact. Contractor was reminded to reschedule of tree felling arrangement that most of the fell branches and trunks were temporary laid on slope and arranged to cut smaller on Day Time to minimize the noise nuisance to the nearby NSRs.	30/07/2019
COM-2019- 0045	30/8/2019	1823	CCZJV	Noise	30/8/2019	The complaint is related to the project. Contractor was reminded to strictly follow and fully comply with the CNP (GW-RN0443-19) conditions and the mitigation measures stipulated in the EM&A Manual when construction activities are operating during restricted hour. Contractor should strictly follow the use of acoustic enclosure as in condition 3.d.5. of the CNP during the operation of breaker, hand-held, mass <=10kg (CNP023) shall only be operated inside the acoustic enclosure composed of four side-panels and one top-panel, so that no part of such equipment is visible from any nearby noise sensitive receiver. The panels shall be made of minimum 10mm thick plywood or 1mm thick steel outer skin and minimum 50mm thick sound	19/09/2019

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						absorbing lining, or equivalent construction. Contractor was reminded to use portable phones and head-set only for communication, and none of loudspeakers is allowed for night work activities.	
COM-2019- 0056	9/10/2019	Project Hotline of NE/2017/ 05and EPD	CCZJV	Noise	19/10/2019	The complaint of the construction noise especially the breaker noise is project related. Due to the concern of road safety, the Contractor conducted the emergency road repair works under an Emergency Excavation Permit (EXP) of Plan ID: EO13123 issued by Highways Department (HyD). The main contractor's PR / hotline staff was reminded to enhance communication with sufficient information provided for replying any enquiry / complaint in the future. The main contractor was also reminded that noise mitigation measures should be provided as far as practicable subject to the emergency situation. For construction works covered by the CNP issued by EPD, the main contractor should fully complied with the conditions as stipulated and provided all noise mitigation measures as required under the conditions of the CNP. For works subject to the emergency situation, noise mitigation measures such as noise barrier, enclosure etc. should be provided as far as practicable to minimise the noise nuisance to the NSRs.	04/11/2019
COM-2019- 0057	9/10/2019	EPD	CCZJV	Noise	18/10/2019	The complaint of the generator noise nuisance is related to the project. The concerned portable generator is supplying electric power for the Variable Message Sign (VMS) showing the speed limit in 50 km/hr. It is switched on and off manually by manpower, and would only be operated between daytime 07:00-19:00. No construction noise permit (CNP) should be required as the portable generator is not operating in restricted hours. The main contractor was reminded to strictly follow the use of their proposed semi-enclosure as the mitigation measures for the portable generator and the generator operates in daytime 07:00-19:00 only.	21/10/2019

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COM-2019- 0066	6/11/2019	EPD	CCZJV	Noise	7/11/2019	The complaint of the emergency road repair work is related to the project. The works on on 5 <sup>th</sup> November 2019 between 22:00 and 06:00 the next day at southbound slow lane of Tai Po Road outside Wai Wah Centre, including breaking operation. The main contractor should inform the EPD in advance of any emergency opening works of the Project in future to facilitate the effective handling of noise complaint that may arise.	12/11/2019
COM-2020- 0083	29/02/2020	Project email of NE/2017/ 05	CCZJV	Noise and Dust	29/02/2020	The complaint of the dust and noise nuisance near Wai Wah Centre during both the day and night works was at zone 2. The construction works at zone 2 was the mini-piling operation during the day time was same as the complaint. Thus, the complaint in daytime is related to the project. Furthermore, loading and unloading works was carried in night time. Contractor was reminded to enhance the water spray frequency on the construction site for mitigation measures on dust control. Also, Contractor should provide green tarpaulin curtain and additional acoustic Sound Proof Canvas as a secondary layer at the bottom of the mini-pile drilling machine to secure the total enclose condition to minimize the visual and noise impacts to nearby NSRs. ET checked the regular impact air and noise monitoring data, no exceedance case was found on both regular impact air and noise monitoring measurement. The main contractor should carry out further review the effectiveness of the enclosure or noise barrier with their mitigation measure and propose alternative noise mitigation measures to enhance the noise reduction on similar day works or night works in restricted hours.	19/03/2020
COM-2020- 0089	24/03/2020	Project hotline	CCZJV	Noise	24/03/2020	A resident of Wai Wah Centre complained that noise generated from construction activities at night disturbing the nearby resident. According to the Contractor's information, loading/unloading, steel bar cutting, steel plate grinding and asphalt compaction were carried out in the early hours of 24 <sup>th</sup>	07/04/2020

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						Mar 2020. The night work activities were within the site boundary. Also, 4 sides with top cover acoustic enclosure for the portable generator was used during the night work. Furthermore, mitigation measures listed in the CNP were implemented for PMEs and works activities. Three sides with top cover enclosure and additional acoustic comprised with 50 mm sound absorbing lining were used for night works activities. ET analysed that the complaint noise source should not be project-related construction noise.	
COM-2020- 0090	27/03/2020	Project hotline	CCZJV	Noise	27/03/2020	Both complaint cases were concerning about the noise nuisance generated from the construction work activities at night time disturbing the nearby Wai Wah Centre residence. According to the Main Contractor, similar nature of major construction works carried out between 03:00 a.m. and 04:00 a.m. on 27 <sup>th</sup> & 28 <sup>th</sup> March 2020 was the asphalt compaction for the road surface remedial works at zone 2 south lane adjacent to Wai Wah Centre. The Main Contractor complied with CNP No.: GW- RN0002-20 that is within the allowable construction site location and within the site boundary to carry out night work on loading and unloading works. ET conduct regular night-time noise monitoring at all monitoring stations between 23:00 26 <sup>th</sup> March	04/05/2020
COM-2020- 0091	28/03/2020	Project hotline	CCZJV	Noise	28/03/2020	2020 to 04:00 27 <sup>th</sup> March 2020, and between 23:00 2 <sup>nd</sup> April 2020 to 04:00 3 <sup>rd</sup> April respectively. No exceedance cases were found on both ET regular night-time noise monitoring measurement. ET did not remark on-site any noise related to construction works at above noise monitoring nights for which the results were lower than baseline noise level. Hence, ET analysed that the dominant noise source should be road traffic noise but not the project-related construction noise.	
COM-2020- 0093	06/04/2020	Project hotline	CCZJV	Noise	06/04/2020	The complaint case on 6 <sup>th</sup> Apr was received by project hotline. The major construction works between (10:00pm – 11:00pm) on 6 <sup>th</sup> April 2020 was TTA implementation works and asphalt removal works for the road surface remedial work at zone 2 adjacent to Wai Wah Centre. The Main Contractor complied with	28/04/2020

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						CNP No.: GW-RN0152-20 that is within the allowable construction site location and within the site boundary to carry out night work on loading and unloading works. The five noise monitoring stations close to the concerned works area are NMS3, NMS4, NMS5A, NMS6A & NMS7, and NMS5A & NMS6A locate nearest to Wai Wah Centre. The night time noise monitoring results measured at NMS3, 4 & 6A were all lower than that of measured in the baseline, two exceedance case were found at NMS 5A especially NMS 5A & NMS 6A monitoring stations where locate at the Wai Wah Centre. The corrected noise level measured at NMS 7 is lower than the night time limit 55dB (A). Therefore, there was no exceedance cases were found on ET regular night-time noise monitoring measurement. ET analyzed that the dominant noise source should be road traffic noise but not the project-related construction noise.	
COM-2020- 0096	20/04/2020	Project hotline	CCZJV	Noise	20/04/2020		
COM-2020- 0097	20/04/2020	Project Email	CCZJV	Noise	20/04/2020	the contractor's work schedule, major day work activity was mini- piling operation since early Feb 2020 at zone 2 in central median at non-restricted hours, from Mondays to Saturdays between 0800 and 1800 not including General Holidays. The mini piling operation on 20 <sup>th</sup> & 21 <sup>st</sup> Apr 2020 was carried out at non restricted hours. The limited level of noise generated by the construction of the Project during the non-restricted daytime hours will be 75 dB (A) for dwelling. The mini piling operation on 20 <sup>th</sup> and 21 <sup>st</sup> Apr 2020 was carried out at non restricted hours	19/05/2020
COM-2020-	21/04/2020	Project	CCZJV	Noise	21/04/2020	with green tarpaulin curtain and sound proof canvas. The noise	

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0098		hotline				level of NMS 5A and NMS 6A on 22 <sup>nd</sup> Apr 2020 were 73.5 dB (A) and 72.6 dB (A) respectively. No noise exceedance was occurred at NMS 5A and NMS 6A. The construction activity on 22 <sup>nd</sup> Apr 2020 was similar to 20 <sup>th</sup> and 21 <sup>st</sup> Apr 2020. Therefore, ET's day-time monitoring result on 22 <sup>nd</sup> April 2020 at NMS5A and NMS6A can act as a reference for impact noise from the similar mini-piling operation on 20 <sup>th</sup> and 21 <sup>st</sup> April 2020. ET analyzed that the dominant noise source should be road traffic noise but not the project-related construction noise.	
COM-2020- 0099	21/04/2020	Project hotline	CCZJV	Noise	21/04/2020	The complaint cases on 21 <sup>st</sup> Apr 2020 was received by project hotline from Police. According to the complainant who is the local resident at Wai Wah Centre, the noise source(s) of the concerned nuisance during night works was at zone 2 is opposite to Wai Wah Centre. The major construction works was road surface remedial work since 15 <sup>th</sup> April 2020 conducted at restricted hours along zone 2 south boundary adjacent to Wai Wah Centre. The Main Contractor complied with CNP No.: GW- RN0152-20 that is within the allowable construction site location and within the site boundary to carry out night work on road surface remedial works. Environmental Team (ET) conduct a regular night-time noise monitoring at all monitoring stations between 23:00 23 <sup>rd</sup> April 2020 to 04:00 24 <sup>th</sup> April 2020. The five noise monitoring stations close to the concerned works area are NMS3, NMS4, NMS5A, NMS6A & NMS7, and NMS5A & NMS6A locate nearest to Wai Wah Centre. There were no exceedance on the night time noise monitoring, especially measured at NMS 5A & NMS 6A where locate at the Wai Wah Centre, the measured result at NMS 5A & 6A were all lower than that of measured in the baseline. Therefore, no exceedance cases were found on ET regular night-time noise monitoring measurement. ET analyzed that the dominant noise source should be road traffic noise but not the project-related construction noise.	05/05/2020
COM-2020-	23/04/2020	Project	CCZJV	Noise	23/04/2020	The complaint was received via project hotline on 23 <sup>rd</sup> April 2020	11/05/2020

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0100		hotline				at 10:45 a.m. A resident of Wai Wah Centre complained that noise generated from operation of the two piling machines disturbing her daughter's study for DSE examination, and demanding limitation on operation hours of the machines only at two separate periods between 12 noon and 1p.m and 3 p.m. to 6 p.m. According to the Main Contractor, the major construction works at day time (08:00-18:00) on 23 <sup>rd</sup> April 2020 was mini- piling operation at Zone 2 Central Median of Tai Po Road near Wai Wah Centre. According to the photo records of day-time site condition on 23 <sup>rd</sup> April 2020 provided by Main Contractor, the green tarpaulin curtain was provided for the mini-pile drilling machines so that the bottom part of the mini-pile drilling machine was blocked from view of nearby NSR (e.g. residents at Wai Wah Centre) and an additional layer of sound proof canvas was installed at lower level to mitigate the noise from mini-pile drilling operation. The day-time noise monitoring results measured at NMS3, 4, 5A, 6A and 7 were all lower than the limit level, especially NMS 5A & NMS 6A monitoring stations where locate at the Wai Wah Centre. The monitoring results show no noise exceedance occurred at both locations. Thus, ET day-time monitoring result on 22 <sup>nd</sup> April 2020 at NMS5 & NMS6 can be act as a reference for impact noise from the similar mini-piling operation activities on 23 <sup>rd</sup> April 2020. Therefore, there was no exceedance cases were found in ET regular day-time noise monitoring measurement. ET analyzed that the dominant noise source should be road traffic noise but not the project-related construction noise.	
COM-2020- 0101	28/04/2020	1823	CCZJV	Noise	28/04/2020	The complainant on via ICC1823 on 28 <sup>th</sup> April 2020 complained about the noise and odor nuisance generated from the night- time asphalt laying construction works at Shatin Rural Committee Road (Zone 3) area. Although the main contractor no work at zone 3, but the major night-time construction works was road surface remedial work which was related to the complainant concerned. The major construction works was road	15/05/2020

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						surface remedial work since 15 <sup>th</sup> April 2020 at approved restricted hours along zone 2 south boundary adjacent to Wai Wah Centre. Also, Tai Po Road is the main strategic route, implementation of temporary traffic diversion at day time due to loading and unloading material or plant work or road surface remedial work is not feasible. The lorry had been used in TTA implementation & road opening, portable generator and electric handheld breaker had been used in asphalt removal work, dump truck with grab had been used for loading and unloading of asphalt or rubble, vibratory compactor had been used in asphalt compaction for road surface remedial works on 27^28 April 2020. The Main Contractor complied with CNP No.: GW-RN0152-20 that allowed PME used in Group C or Group F. According to the Main Contractor, advance "Notice to Affected Residents" had been issued and distributed on 26 <sup>th</sup> March 2020 in accordance with the CNP advice that prior notification should be given to nearby residents. Besides, the road re-surfacing work would be carried out at approximately 14 night-time works between 2 <sup>nd</sup> and 28 <sup>th</sup> April 2020 listed in the distributed notices. No exceedance cases were found on ET regular night-time noise monitoring measurement at all noise monitoring stations, especially measured at NMS 5A & NMS 6A where locate close to the works area (Wai Wah Centre in Zone 2), the measured result at NMS 5A & 6A were all lower than that of measured in the baseline. ET analyzed that the dominant noise source should be road traffic noise but not the project-related construction noise.	
COM-2020- 0151	10/11/2020	EPD	CCZJV	Water	10/11/2020	water discharge onto the traffic lanes of Northbound towards Sha Tin Section of Tai Po Highway. According to the Main Contractor, there is one active site access located at Zone 1 (R1) near Pai Tau, site access no. is N02. Restricted opening hours of the site access Zone 1 (R1) is between 10:00 to 16:00. The operation which might be related to the complaint was water	27/11/2020

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						flow from water-filled barriers before the opening of site access and no water spilling onto the traffic lanes from the access area of Zone 1 (R1). The released water was directed towards to the work areas facing Zone 1 (R1) and no water was flowed towards the high-speed road or traffic lanes. ET conducted ad-hoc site inspection on 17 <sup>th</sup> November 2020. ET had no particular findings related to the complaint and conducted trial to open the bottom of the water barrier valve for testing and checking on the water flow to the construction site at Zone 1. Contractor performed well on environmental preventive measures for soil or silt leakage protection as impervious sheet with sand bags had been provided at the site boundary of Zone 3. ET analyzed that released water was directed towards to the work areas facing Zone 1 (R1) and no water was flowed towards the high-speed road or traffic lanes.	
COM-2020- 0152	20/11/2020	1823	CCZJV	Noise	20/11/2020	The complainant on via ICC1823 on 20 <sup>th</sup> November 2020 complained about the noise generated from the night-time asphalt laying construction works between Sha Tin Station and nearby Wo Che Estate. Although the main contractor no work at zone 5, but the major night-time construction works was road surface remedial work which was related to the complainant concerned. According to the Main Contractor, the major construction works was road surface remedial work since 19 <sup>th</sup> November 2020 conducted at restricted hours along zone 3 to zone 4 north bound of Tai Po Road Sha Tin section. 3.20 No exceedance cases were found on ET regular night- time noise monitoring measurement (Appendix F) at all noise monitoring stations. Contractor placed acoustic enclosure "SilentCUBE" with four sides and a top cover at asphalt removal works to mitigate. The Main Contractor was reminded to pay attention to CNP other condition 3.d.3, the electric hand-held breaker shall only be used for carrying out construction work between 22:00 – 23:30 hours. It is prohibited to use the electric hand-held breaker beyond the CNP condition 3.d.3 stated that	07/12/2020

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						the using limitation on 23:30. The Main Contractor was reminded to re-arrange their proposed night-time construction activities to fulfill the complainant expectation that noise emitting work should be paused during 00:00 to 06:00 sleeping time.	
COM-2020- 153	26/11/2020	EPD	CCZJV	Water	24/11/2020	According to EPD Mr. Bryan Kwok, EPD carried out a site inspection on 24 November 2020, revealing that muddy effluent was discharged from an outfall at Fo Tan near Jockey Club Ti-I College while construction work of the abovementioned project site at Zone 5 opposite to Wo Che Estate was in progress. EPD team inspected the condition of waste water treatment facilities on site (slope F133) and observed that the water in the first and second sedimentation tanks was muddy; muddy water was observed at the outlet level of the WetSep (waste water treatment plant) though there was no discharge and piling works at the time. EPD team reminded the Main Contractor that effluent does not complied with the discharge license standard should NOT be allowed to discharge. The waste water treatment system should be improved and maintained to ensure the effluent discharge standard. EPD team requested in both works area of Slope F133 and Slope F163 the Main Contractor to locate the network of drainage, connecting manhole(s) and downstream manhole, check if any presence of muddy materials and clear-out. The main contractor was reminded to strictly follow and fully comply with the water discharge license (WT00032446-2018) conditions and the mitigation measures stipulated in the EM&A Manual for effluent discharge on the wastewater treatment system.	23/12/2020
COM- 2020154	27/11/2020	1823	CCZJV	Noise	30/11/2020	The complaint was received via ICC1823 on 27 <sup>th</sup> November 2020, the complainant expressed concern of construction noise nuisances near Wo Che Estate at around 01:14 am on 27 <sup>th</sup> November 2020. According to the Main Contractor, there were no construction works near Wo Che Estate (Zone 5) on 26^27 November 2020. The major construction works were works related to removal of central median (at night-time) under the	14/12/2020

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						approved road closure with CNP no.GW-RN0799-20. According to Main Contractor EO Kimberly, she sent prior notification to the EPD on 20 <sup>th</sup> November 2020 through logging in the webpage of EPD before the commencement of the construction work in relation to the CNP GW-RN0799-20 (conditions 3.d.11 and 4.d.8). The Main Contractor provided photo records showing that mitigation measures of the movable acoustic enclosure "SilentCUBE" with four sides and a top cover were implemented for night work on removal of existing central median: drill hole with percussive drill for temporary steel module spiral installation, drill hole at existing central median with concrete corer and asphalt compaction with portable roller. Main Contractor was reminded to strictly follow and fully comply with the CNP No.: GW-RN0799-20 conditions. 5.11 The Main Contractor was reminded to re-arrange their proposed night-time construction activities to fulfill the complainant expectation that noise emitting work should be paused during 00:00 to 06:00 sleeping time.	
COM- 2020155	26/11/2020	1823	CCZJV	Dust	30/11/2020	According to the complainant, the dust nuisance concerned at day time was at the slip road to Fo Tan Road near Lok King Street near Zone 5 works area. According to the Main Contractor, the major day time construction works at Zone 5 works area in November were mini-piling works and slope works of soil replacement. Regular movement of vehicle for transportation was also carried out on site. Thus, the complaint was considered to be related to the project. ET conducted regular day-time air quality monitoring in November 2020 and on the 3 <sup>rd</sup> December 2020 at selected air monitoring stations AMS6, 8, 11A & 13 and AMS5, 4A, 7A & 12 respectively. The two air quality monitoring stations closed to the works area at zone 5 (where the complainant concerned of dust nuisance) were AMS12 and AM13; and AMS13 locate nearest to Zone 5. The ET regular air quality results measured at AMS13 and AM12 in November 2020 and on the 3 <sup>rd</sup> December 2020 show that	05/01/2021

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						there was no exceedance case found in air quality monitoring measurement and the results were all below the action level. The Main Contractor was reminded to enhance the mitigation measures in dust control such as increase the water spray frequency at the construction site to suppress dust emission. The Main Contractor proposed to properly maintain the coverings on exposed slopes and keep them in good condition for minimizing dust impact. The Main Contractor proposed to frequently spraying of haul road especially at area where active movement of vehicles and pave the haul road where necessary to reduce dust impact.	
COM- 2020157	7/12/2020	STDC	CCZJV	Dust	7/12/2020	According to the complainant, the dust nuisance concerned at day time was generated from the construction works area of the Tai Po Road Widening project at Zone 5. According to the Main Contractor, major day time construction works of mini-piling and soil replacement at slopes were carried out at Zone 5 works area in December 2020. There was also regular movement of vehicle for transportation within the works area. Thus, the complaint was considered to be related to the project. ET conducted regular day-time air quality monitoring (Appendix C) on the 3 <sup>rd</sup> , 9 <sup>th</sup> & 15 <sup>th</sup> December 2020 respectively which was close to the date of complaint, at selected air monitoring stations AMS5, AMS4A, AMS7A & AMS12. ET regular day-time air quality monitoring measurement results at air quality results measured at AM12 on 3 <sup>rd</sup> , 9 <sup>th</sup> & 15 <sup>th</sup> December 2020 show that there was no exceedance case was found in air quality monitoring measurement and the results were all below the action level. The Main Contractor was reminded to reduce the travelling speed of transportation vehicles on site and plan the schedule of delivery transport in order to reduce dust impact. The Main Contractor proposed to condition for minimizing dust impact. The Main Contractor proposed to increase water spraying at	29/12/2020

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COM- 2020161	18/12/2020	EPD	CCZJV	Noise	18/12/2020	area where active movements of vehicle transportation occur. The complaint was received via email notification by EPD on 18 <sup>th</sup> December 2020, the complainant expressed concern of construction noise nuisances near Wo Che Estate during night- time on 7^8 & 8^9 December 2020. According to the Main Contractor, the major construction works was removal of central median works since 7^8 & 8^9 December 2020 conducted at restricted hours along Zone 4 central median of Tai Po Road Sha Tin section. Thus, the complaint is considered to be related to the project. 3.4 According to the Main Contractor, portable generator with hand-held breaker had been used for breaking of asphalt (on existing central median edge); lorry with crane, portable generator and concrete corer had been used for remove (lifting) the existing central median and coring of central median joint; dump truck with grab had been used for loading and unloading of rubble; portable roller had been used for loading and unloading of rubble; portable roller had been used in asphalt compaction; lorry with crane, percussive and hand-held drill and portable generator had been used for installation of temporary steel module between 00:30 to 04:30 am on 7/8 December 2020. The Main Contractor complied with CNP No.: GW- RN0799-20 that allowed the usage of PMEs. The noise emanated from the concrete corer for drilling hole at existing central median and portable roller for asphalt compaction might cause a noise nuisance. To further alleviate the noise nuisance, the Contractor placed acoustic enclosure "SilentCUBE" with four sides and a top cover at removal of existing central median and asphalt compaction works to mitigate as shown in the site condition photo record. No exceedance cases were found on ET regular night-time noise monitoring measurement (Appendix F) at all noise monitoring stations, especially measured at six noise monitoring stations mentioned in above section 3.15 where locate close to the works area (Sha Tin station to nearby Fung Wo Estate in Zone 4), th	05/01/2021

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						Besides, the measured result after correction of baseline at NMS13, NMS14 and NMS15 were lower than that of the limit level. The Main Contractor was reminded to re-arrange their proposed night-time construction activities especially in quiet construction works to minimize the noise nuisance to nearby residences. The Main Contractor was reminded to re-arrange their proposed night-time construction activities to fulfill the complainant expectation that noise emitting work should be paused during night sleeping time.	
COM- 2020167	22/02/2021	1823	CCZJV	Dust	22/02/2021	A complainant who did not wish to disclose his identity called 1823 hotline on 22 <sup>nd</sup> February 2021 regarding the dust nuisance at slip road to Fo Tan Road. A repetitive case with reference no. 3-6566315922 was referred to the Main Contractor of the captioned Project and ET on 23 <sup>rd</sup> February 2021. According to the complainant, the dust nuisance concerned at day time was at the slip road to Fo Tan Road near Zone 5 works area. According to the Main Contractor, the major day time construction works at Zone 5 works area in February 2021 was mini-piling works. Regular movement of vehicle for transportation was also carried out on site. Thus, the complaint was considered to be related to the project. The Main Contractor was reminded to reduce the travelling speed of transportation vehicles on site and plan the schedule of delivery transport in order to minimize the dust impact. The Main Contractor proposed to reduce the exposed surface by providing covers or paving (e.g. with cement grout) to the newly excavated slope.	05/03/2021
COM- 2020168	20/02/2021	1823	CCZJV	Noise	23/02/2021	The complaint was received via 1823 on 20 <sup>th</sup> February 2021 01:00am concerning about the night-time construction works near Sha Tin Police Station at 19^20 February 2021. According to the Main Contractor, there was night-time construction works near Sha Tin Police Station (Zone 3 & 4) on 19^20 February 2021. The major construction works were lane shifting works conducted on 19^20 February 2021 at night-time under approved road closure setup with in-force Construction Noise	08/03/2021

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						Permit (CNP) no.GW-RN0798-020. According to the Main Contractor, since Tai Po Road is the main strategic route, implementation of temporary traffic diversion at day time due to loading and unloading material or plant work or road surface remedial work is not feasible. The concerned night work could only be conducted during off-peak period at night time under temporary traffic diversion to avoid causing traffic congestion. According to the Main Contractor, no concurrent operation of Power Mechanical Equipment (PME) and idling were switched off during the loading and unloading of materials and rubble by manual handling of road surface remedial works. Environmental Team (ET) conduct a regular night-time noise monitoring at all monitoring stations between 23:00 25 <sup>th</sup> February to 03:00 26 <sup>th</sup> February 2021. 3.13 The five noise monitoring stations close to the complaint receiving area of Zone 3 & 4 are NMS13, NMS14, NMS15, NMS16 & NMS26. No exceedance cases were found on ET regular night-time noise monitoring measurement at all noise monitoring stations, especially measured at five noise monitoring stations where locate close to the works area (near Sha Tin Police Station in Zone 3&4), the measured result at NMS15, NMS16 and NMS26 were lower than that of measured in the baseline. Besides, the measured result after correction of baseline at NMS13 and NMS14 were lower than that of the limit level in 55 dB(A). The Main Contractor was reminded to strictly follow and fully comply with the CNP (GW-RN0798-20) conditions and the mitigation measures stipulated in the EM&A Manual when construction activities are operating during the restricted hour.	
COM-2021- 0170	03/03/2021	1823	CCZJV	Dust and Noise	04/03/2021	The complaint on 3rd March 2021 at 1:25 pm complained about the noise, dust nuisance generated and insufficient dust mitigation works during the night-time construction works near King Wo House and Wo Che Estate area. A repetitive case with reference no. 3-6638500887 was referred to the Main Contractor and ET of the captioned project on 4th March 2021. According to	25/03/2021

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						the Main Contractor, there was night time road works at King Wo House and Wo Che Estate (Zone 4 & 5) on 3rd March 2021. Thus, the complaint considered to be related to the project. According to ET investigation, the Main Contractor complied with the CNP No.: GW-RN0798-020, with the permission of using Powered Mechanical Equipment (PMEs). No exceedance cases were found on ET regular night-time noise monitoring measurement (Appendix G). The Main Contractor was reminded to close all the doors of the acoustic enclosure, included the "SilentCUBE" for hand-held breaker and metallic enclosure. Consider the dust nuisance, no exceedance cases were found on ET regular air quality monitoring measurement (Appendix F). According to the Main Contractor, vapour was emitted from the bottom of the miller, when the milled asphalt falling from the drop point of the conveyor belt to the dump truck container, fugitive dust was generated. The Main Contractor was reminded to enhance the water spray frequency and keep the road surface wet before milling as the mitigation measures on fugitive dust control.	
COM-2021- 0172	03/03/2021	1823	CCZJV	Noise	08/03/2021	The second complaint was received on 3rd March 2021 at 1:40 pm complained about the noise nuisance generated during the night-time construction works near Shatin Pui Ying College area. A repetitive case with reference no. 3-6638578830 was referred to the Main Contractor and ET on 8th March 2021. According to the main contractor, there was a night-construction activity near Shatin Pui Ying College and Wo Che Estate (Zone 4 & 5). Thus, the complaint considered to be related to the project. According to ET investigation, the Main Contractor complied with the CNP No.: GW-RN0798-020, with the allowed usage of PMEs. No exceedance cases were found on ET regular night-time noise monitoring measurement (Appendix G). The Main Contraction was reminded to strictly follow and fully comply with the CNP No.: GW-RN0798-20 conditions and the mitigation measures stipulated in the EM&A Manual when construction activities were	25/03/2021

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						operated during the restricted hour. The contractor was also reminded to use a movable noise barrier/blanket to block the line of sight from the engine or noise emission part to the nearby NSRs when using PMEs.	
COM-2021- 0193	09/05/2021	1823	CCZJV	Noise	17/05/2021	The complaint was first received on 6 <sup>th</sup> May 2021 at 9:27 a.m. via FEHD email. The complaint was then referred to 1823 case: 3-6727963845 on 9 <sup>th</sup> May 2021 at 2:52 p.m. A follow-up complaint was received on 11 <sup>th</sup> May 2021 at 8:20 a.m. The two complaints were referred from 1823 to CEDD on 14 <sup>th</sup> May 2021 at 6:26 p.m. The complaint cases was referred from AECOM to ET on 17 <sup>th</sup> May 2021 at 11:46 a.m. According to the Main Contractor, the major construction works at daytime (08:00-18:00) between 6 <sup>th</sup> to 11 <sup>th</sup> May 2021 near Mei Wo House were soil replacement works (involved excavation, loading and unloading of materials and pour the no fine concrete) at the works area 1 (between Wo Che Estate King Wo House and Shatin Pui Ying school) and demolition of existing central divider works (involved breaking, loading and unloading of materials) at the work area 2 (opposite to Wo Che Estate Man Wo House). The ET regular daytime noise monitoring measurement results of NMS16, NMS17, NMS18, NMS19, NMS20 & NMS26 on 6 <sup>th</sup> , 7 <sup>th</sup> , 12 <sup>th</sup> and 13 <sup>th</sup> May 2021, no exceedance case found. The noise monitoring results were lower than the noise limit of 75 dB(A) Leq (30 minutes) at the facades of schools (65 dB (A) during examinations). The Main Contractor was reminded to maintain the newly implemented noise mitigation measure during breaking works. The Main Contractor was reminded to moise nuisance to the NSRs (similar to night-time construction works) during the construction works, for example moveable noise barrier or blanket to block the line of sight from the engine and noise emission parts to the	27/05/2021

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COM-2021- 0200 and COM-2021- 0202	07/06/2021	1823	CCZJV	Noise	08/06/2021	nearby NSRs. Ms. So, a resident of Wo Che Estate, Mei Wo House complained about the noise generated from the daytime construction work located outside Mei Wo House, the tunnel entrance (direction towards Fo Tan). Until 7 <sup>th</sup> June 2021, total six complaints were received via 1823 (case: 3-6727963845) from the same complainant. According to the Main Contractor's daytime working schedule from 12 <sup>th</sup> May to 7 <sup>th</sup> June 2021 at zone 5 were soil replacement works (involved excavation, loading and unloading of materials, pour the no fine concrete and formation of haul road) and demolition of existing central divider works (involved loading and unloading of materials, minor breaking and corning operation). According to CEDD, a reply was sent to Ms. So on 27 <sup>th</sup> May 2021. The Resident Site Staff (RSS) of AECOM contacted the complainant on 7 <sup>th</sup> June 2021 night to explain the detail of upcoming construction work and associated noise mitigation measures to minimize the construction noise arising from the concerned construction work. The complainant was also informed that she could contact the RSS directly if she had any further enquiry in future. ET conducted regular daytime noise monitoring at NMS16-20 and NMS26 monitoring stations on 6 <sup>th</sup> , 7 <sup>th</sup> , 12 <sup>th</sup> , 13 <sup>th</sup> , 17 <sup>th</sup> , 18 <sup>th</sup> , 24 <sup>th</sup> , 25 <sup>th</sup> of May and 4 <sup>th</sup> , 5 <sup>th</sup> , 10 <sup>th</sup> , 11 <sup>th</sup> of June 2021. No exceedance case was found and the noise monitoring results were lower than the noise limit of 75 dB(A) Leq (30 minutes) at the facade of dwellings and 70 dB(A) Leq (30 minutes) at the facades of schools (65 dB (A) during examinations). ET reminded the Main Contractor to implement additional mitigation measures to minimize the noise nuisance generated from daytime construction works to the nearby Noise Sensitive Receivers (NSRs). The Main Contractor agreed to install an acoustic blanket, enclosed at the breaker to minimize the noise impact generated from the demolition of central divider works. The Main Contractor was reminded to maintain the no	22/06/2021

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						Contractor was reminded to provide additional mitigation measures during the construction works to minimize the noise nuisance to the NSRs (similar to nighttime construction works), for example, a temporary moveable noise barrier to lower the noise impact and an acoustic blanket to block the line of sight from the engine and noise emission parts to the nearby NSRs. The Main Contractor was also reminded to display the project hotline number 5613-3367 on-site for public enquiry.	
EN-2021- 0094	26/07/2021	EPD	CCZJV	Air (Odour)	27/07/2021	A resident of Paris Park Villa complained about the poor air quality around his living area between 19th and 26th July 2021. He suspected that the odour nuisance may be generated from the construction site's diesel machineries. The complaint was received by the EPD's Regional Office (North) on 26 <sup>th</sup> July 2021 with reference no.: RN17367-21. According to the Main Contractor's daytime working schedule between 19th July and 26th July 2021 involved: (1) Zone 4 and 5 North boundary, the construction activities involved the formation of temporary access, backfilling works for noise barrier stem wall, loading and unloading works. Excavations were mainly performed in areas EX1 and EX2. (2) Zone 4 and 5 South boundaries, the construction activities involved the noise barrier foundation works and the formation of temporary access. Excavations were mainly performed in areas EX3 and EX4. While rebar fixing and formwork erection were also carried out in EX3 area. For area TW1 in Zone 5 South boundary, tree works were performed. There were no work activities carried out at night-time, Sunday and under the hosting of typhoon signals. According to AECOM's Resident Engineer and the Main Contractor, no particular malpractice was observed during the construction activities at Zone 4 and 5 between 19th and 26th July 2021. According to the Main Contractor, only machineries with valid NRMM labels and regular maintenance are being used on-site. The Main Contractor sent the Ultra-Low Sulphur Diesel (ULSD) sample for laboratory testing since Feb 2019. There is	13/08/2021

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						no exceedance of the Sulphur content of more than 0.005% by weight in the past and the latest sample collected on 7 <sup>th</sup> July (Cap. 3111 Air Pollution Control (Fuel Restriction) Regulations). No particular finding on odour nuisance was found by the ET's staff when performing air monitoring in AMS 14 Ha Wo Che (close to 73A Ha Wo Che) on 21st and 22nd July 2021. ET also inspected the construction site on 29th July 2021 (between 9:00 to 10:15 a.m., weekly environmental inspection). There was no particular observation on odour nuisance or diesel smell generated from the Non-Road Mobile Machineries (NRMMs) and construction activities in the North and South boundary at Zone 4 and 5. No dark smoke was observed from the excavator, power generator, pilling and pre-drilling machines under operation.ET inspected the area around Paris Park Villa and Ha Wo Che on 29th July 2021 between 10:30 a.m. to 11:30 a.m. There was no particular finding on odour nuisance in AMS14 Ha Wo Che (close to 73A Ha Wo Che). ET reminded the Main Contractor to strictly implement the air pollution control measures and minimize the air pollution impact generated from the construction work activities. The Main Contractor also is reminded that only approved or exempted NRMMs include regulated machines and non-road vehicles with proper labels are allowed to be used in specific activities on-site. The NRMMs should be well maintained. The Main Contractor was also be reminded that odour emissions from construction sites need to be controlled. Potential emission includes particulate matter, diesel and hazardous chemicals need to be considered for their odour impact. Use of ULSD should be maintained and dark smoke emission should be prevented in accordance with the Air Pollution Control (Smoke) Regulation and ETWB TCW 19/2005. The Main Contractor was also be reminded to display the project hotline number 5613-3367 on- site for public enquiry.	
DSD Ref:	01/09/21	DSD	CCZJV	Water	02/09/21	Drainage Services Department (DSD) issued a notice (Ref: MS	20/10/2021

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MS 8/0/CE2815 /0 pt.6						8/0/CE2815/0 pt.6) to the Engineer's Representative (AECOM) after their morning inspection on 1st September 2021 concerning the improperly treated water being discharged from the construction site near Fung Wo Estate of the Project to nearby public stormwater drainage system, and of the consequence of contaminating the watercourse at Shing Mun River. The letter of concern was referred to Environmental Team (ET) on 2nd September 2021 at 3:24 p.m. for investigation. According to the Main Contractor and AECOM, the major construction work at Zone 5 south boundary was mini-pilling works (at the end of August). Two pilling machines were operating either individually or simultaneously. There are approximate 130 nos. of pile planned to be installed, and mini-pilling works are scheduled to be finished in January 2022. Originally, one WetSep (TW-WS1) and two sedimentation tanks (ST1 and ST2) were provided for handling the wastewater generated from the pilling works and site surface runoff at the zone 5 south boundary. According to the Main Contractor, the sedimentation tanks (ST1 and ST2) were filled with muddy water and silt on 1st September 2021. Observation, reminders and follow-up action were proposed and monitored by the ET on handling the wastewater generated form pilling works and site surface run-off. Moreover, EPIs from EPD conducted the site inspection on 9th and 29th September 2021. The two inspection conducted by the EPIs focused on reviewing the general site condition, wastewater treatment facilities set-up, mitigation measures for preventing muddy water formation, handling the wastewater and surface run-off. Observation, recommendations and reminders proposed by the EPIs and ET are grouped and shown in Appendix M. Rectification have been reported by the Main Contractor	

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						according to the observation and recommendation from ET and EPIs on 8th, 17th, 27th September and 6th October 2021. During the 2nd joint site inspection, EPIs agreed the pilling works can be restarted. However, EPIs reminded that the 2nd pilling machine can only be operated until the 2nd WetSep is functioned properly and the effluent quality is acceptable. EPIs mentioned that follow-up inspection expected to be conducted in early or mid-October, focus on inspecting the wastewater treatment efficiency for pilling works, paving of the soil surface, mitigation measures for handling the surface run-off. EPIs also mentioned that surprise inspection may be conducted in the future. According to the AECOM, the pilling work was restarted on 30th September 2021. According to this incident, the Main Contractor was reminded by ET to analyze and review the efficiency of the wastewater treatment system according to the construction activities regularly. The Contractor should provide regular maintenance, water quality testing and related checklist for ET and IEC review during the site inspection. The Main Contractor and related Sub-Contractor was reminded by ET and AECOM that the discharge of effluent needs to fulfil the requirement stated in the Water Discharge License (No. WT00032446 – 2018). AECOM and ET requested the Main Contractor to update the description of the wastewater mitigation measures inside the Environmental Management Plan according to the latest work activities. ET also requested the Main Contractor to update the description of the wastewater mitigation measures inside the Environmental Management Plan (EMP) and Environmental Management Report (EMR) and strictly implement to prevent similar case happen in the future. A follow-up site inspection was conducted by the EPIs at Zone 5 south boundary on 26th October 2021. The EPIs reviewed the site condition, treatment efficiency of the temporary wastewater treatment facilities, mitigation measures to prevent muddy water generated from soil surface, discharge poin	

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						condition. EPIs commented on the mitigation measure around the discharge point near WetSep TW-WS1. The bunding next to the manhole should be rectified to prevent the inflow of muddy water. EPIs reminded that mitigation measures (such as sandbags and bunding) should be provided for enclosing the area near the piling machine. It is for directing the muddy water into the temporary wastewater treatment system. EPIs also reminded regular maintenance of the temporary wastewater treatment system is needed to ensure the effluent's water quality fulfill the standard of the Water Discharge License.	
EPD ref.: RN25674- 21	28/10/21	EPD	CCZJV	Noise	05/11/21	A complaint was received by the EPD Regional Office (North) on 28 <sup>th</sup> October 2021. The complainant concerned about the night- time noise nuisance near Man Wo House, Wo Che Estate from 2:00 to 5:00 a.m. on 25^26 <sup>th</sup> , 26^27 <sup>th</sup> and 27^28 <sup>th</sup> October 2021 (total 3 nights). The complaint was referred from EPD to (ET on 5 <sup>th</sup> November 2021 at 3:35 p.m. The construction work activities were allowed under the in-force CNP no.: GW-RN0600-21 Road Enclosure for General Night Works that was issued by the EPD. According to Main Contractor, the construction work activities were carried out during the permitted hours (00:00-05:00) on 25^26 <sup>th</sup> and 27^28 <sup>th</sup> October 2021. The construction activities were carried out within the allowable location and within the site boundary listed in the CNP. The night-time construction works included Temporary Traffic Arrangement (TTA) implementation, unloading of fill materials, loading and unloading of the lamppost, precast concrete blocks and generator and site clearance. The Main Contractor reported that no night-time construction work was carried out on 26^27 <sup>th</sup> October 2021 at Zone 4 and 5. ET checked the Main Contractor has complied with CNP No.: GW-RN0600-21. The Main Contractor was reminded to strictly follow and fully comply with the requirement listed in the CNP	16/11/2021

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						and the mitigation measures stipulated in the EM&A Manual when carrying out construction activities during the restricted hour. All construction works should be carried out as quickly as possible to minimize the noise nuisance to the sensitive receivers. The Main Contractor was also be reminded to shut down the PMEs' engines when they are not in use. Moreover, only mobile phones and walkie talkies with headphones can be used for communication, and no whistles, horns and loudspeakers can be used during night work activities. The Main Contractor was reminded to pay attention to CNP conditions 3.d.1, 3.d.5, 3.d.13, 4.d.3 and 4.d.4 for using PMEs to carry out loading and unloading activities in the future.	
COM-2021- 0257	05/11/21	1823	CCZJV	Noise	8/11/21	This complaint was received by 1823 (ref: CASE#3- 6960147702) on 5 <sup>th</sup> November 2021 at 02:05 a.m. The complainant, Mr Sung concerned about the night-time noise nuisance from concreting near Scenery Court and Tsing Sha Highway. The complaint was referred from AECOM to ET on 8 <sup>th</sup> November 2021 at 9:34 a.m. The construction work activities were allowed under the in-force Construction Noise Permit (CNP) no.: GW-RN0642-21 Road Closure for Sheet Piles Removal and Road Re-construction Works that issued by the EPD. According to Main Contractor, the construction work activities were carried out during the permitted hours (23:00-05:00) on 4^5 <sup>th</sup> November 2021 near Scenery Court and Hilton Plaza (Zone 1). The construction activities were carried out within the allowable location and within the site boundary listed in the CNP. The night-time construction works included Temporary Traffic Arrangement (TTA) implementation, preparation works for concreting, concreting, cleaning works after concreting and site clearance. ET conducted a regular night-time noise monitoring at all the monitoring stations between 11:00 p.m. to 03:00 a.m. on 4^5 <sup>th</sup> November 2021 and at NMS1, NMS2, NMS3, NMS4, NMS5A, NMS6A and NMS7 in Zone 1 and 2 which were close to Scenery	23/11/2021

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						Court near Tsing Sha Highway. No exceedance case was found during the regular night-time noise impact monitoring measurement. ET checked that the Main Contractor had complied with the conditions in CNP No.: GW-RN0642-21. The Main Contractor was reminded to strictly follow and fully comply with the requirement listed in the CNP and the mitigation measures stipulated in the EM&A Manual when carrying out construction activities during the restricted hour. All construction works should be carried out as quickly as possible to minimize the noise nuisance to the sensitive receivers. The Main Contractor was reminded to shut down the PMEs' engines when they are not in use. Moreover, only mobile phones and walkie talkies with headphones can be used for communication, and no whistles, horns and loudspeakers can be used during night work activities. The Main Contractor was also be reminded to pay attention to CNP conditions 3.d.1, 3.d.3, 3.d.4 3.d.5, 3.d.7, 3.d.11, 3.d.13, 4.d.6 and 4.d.7 for using PMEs and carry out similar night-time construction work activities in the future.	
EPD ref.: RN25674- 21	17/11/21	EPD	CCZJV	Noise	19/11/21	This complaint was received by the EPD Regional Office (North) on 17 <sup>th</sup> November 2021. The complainant concerned about the night-time noise nuisance near Wai Wah Centre from 2:30 to 3:30 a.m. on 17 <sup>th</sup> November 2021. The complaint was referred from EPD to ET on 19 <sup>th</sup> November 2021 at 5:56 p.m. The construction work activities were allowed under the in-force Construction Noise Permit (CNP) no.: GW-RN0600-21 Road Closure for General Night Works that issued by the EPD. According to the Main Contractor, the construction work activities were carried out during the permitted hours (22:00-05:00) on 16^17 <sup>th</sup> November 2021 near Wai Wah Centre (Zone 2). The construction activities were carried out within the allowable location and within the site boundary listed in the CNP. The night-time construction works included Temporary Traffic Arrangement (TTA) implementation, unloading and handling of	08/12/2021

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						asphalt during pavement, asphalt compaction, loading and unloading of materials and site clearance. ET conducted a regular night-time noise monitoring at all the monitoring stations between 11:00 p.m. to 03:00 a.m. on 18^19th November 2021 and at NMS1, NMS2, NMS3, NMS4, NMS5A, NMS6A and NMS7 at Zone 1 and 2 which were close to Wai Wah Centre. No exceedance case was found during the regular night-time noise impact monitoring measurement. ET checked that the Main Contractor had complied with the conditions in CNP No.: GW-RN0600-21 about the allowable location, constriction time period, PMEs type and groups and mitigation measures. While prior notification was sent to EPD on 12 <sup>th</sup> November 2021 and Notice to Affected Residents – PN162 have been issued to nearby NSRs on 27 <sup>th</sup> October 2021. The Main Contractor was reminded to pay attention to CNP conditions and minimize the noise nuisance to the nearby NSRs when carry out similar night-time construction work activities in the future.	
COM-2021- 0262	20/11/21	1823	CCZJV	Noise	23/11/21	This complaint was received by 1823 (ref: CASE#3- 6981794553) on 20 <sup>th</sup> November 2021 at 3:35 a.m. The complainant, Mr Sung concerned about the night-time noise nuisance from road surfacing works near Hilton Plaza. The complaint was referred from AECOM to ET on 23 <sup>rd</sup> November 2021 at 1:56 p.m. The construction work activities were allowed under the in-force Construction Noise Permit (CNP) no.: GW-RN0600-21 Road Closure for General Night Works that issued by the EPD. According to the Main Contractor, the construction work activities were carried out during the permitted hours (22:00- 05:00) on 19^20 <sup>th</sup> November 2021 near Hilton Plaza (Zone 1 and 2). The construction activities were carried out within the allowable location and within the site boundary listed in the CNP. The night-time construction works included Temporary Traffic Arrangement (TTA) implementation, asphalt removal, unloading	08/12/2021

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						and handling of asphalt during pavement, asphalt compaction, loading and unloading of materials and site clearance. ET checked that the Main Contractor had complied with the conditions in CNP No.: GW-RN0600-21 about the allowable location, constriction time period, PMEs type and groups and mitigation measures. While prior notification was sent to EPD on 12 <sup>th</sup> November 2021 and Notice to Affected Residents – PN162 have been issued to nearby NSRs on 27 <sup>th</sup> October 2021. The Main Contractor was reminded to pay attention to CNP conditions and minimize the noise nuisance to the nearby NSRs.	
COM-2021- 0263	26/11/21	1823	CCZJV	Noise	30/11/21	This complaint was received by 1823 (ref: CASE#3- 6991122920) on 26 <sup>th</sup> November 2021 at 11:31 a.m. The complainant, Mr Chan concerned about the night-time noise nuisance generated from road surfacing works at Tai Po Road and near Shing Mun Tunnel Road (Zone 1 and 2). The construction work activities were allowed under the in-force CNP no.: GW-RN0600-21 Road Closure for General Night Works that issued by the EPD. The night-time construction works included TTA implementation, asphalt milling, mobilization in and out of construction site, asphalt paving, compaction of asphalt pavement, loading and unloading of fill materials, and site clearance. ET checked that the Main Contractor had complied with the conditions in CNP No.: GW-RN0600-21 about the allowable location, constriction time period, PMEs type and groups and mitigation measures. While prior notification was sent to EPD on 19 <sup>th</sup> November 2021 and Notice to Affected Residents – PN162 have been issued to nearby NSRs on 27 <sup>th</sup> October 2021. The Main Contractor was reminded to pay attention to CNP conditions and minimize the noise nuisance to the nearby NSRs.	17/12/2021
COM-2021- 0264	24/11/21	1823	CCZJV	Noise	30/11/21	This complaint was received by 1823 (ref: CASE#3- 6989137345) on 25 <sup>th</sup> November 2021 at 30 <sup>th</sup> November 2021 at 9:28 a.m. The complainant, Ms Sun concerned about the recent noise nuisance from the night-time construction work activities	23/12/2021

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						near Sha Tin Station. The construction work activities were allowed under the in-force CNP no.: GW-RN0600-21 Road Closure for General Night Works. According to the Main Contractor, the construction work activities were carried out during the permitted hours (22:00- 05:00) on 23^24 <sup>th</sup> November 2021 near Sha Tin Station (at Zone 2). The construction activities were carried out within the allowable location and within the site boundary listed in the CNP. The night-time construction works included Temporary Traffic TTA implementation, asphalt milling, asphalt paving, compaction of asphalt pavement, loading and unloading of materials, and site clearance. ET checked that the Main Contractor had complied with the conditions in CNP No.: GW-RN0600-21 about the allowable location, constriction time period, PMEs type and groups and mitigation measures. While prior notification was sent to EPD on 19 <sup>th</sup> November 2021 and Notice to Affected Residents – PN162 have been issued to nearby NSRs on 27 <sup>th</sup> October 2021. The Main Contractor was reminded to pay attention to CNP conditions and minimize the noise nuisance to the nearby NSRs when carry out similar night-time construction work activities in the future.	
COM-2021- 0265	01/12/21	1823	CCZJV	Noise	01/12/21	This complaint was received by 1823 (ref: CASE#3- 6997727629) on 1 <sup>st</sup> December 2021 at 11:50 a.m. The complainant concerned about the night-time noise nuisance generated near Sha Tin Station. The construction work activities were allowed under the in-force CNP no.: GW-RN0600-21 Road Closure for General Night Works. According to the Main Contractor, the construction work activities were carried out during the permitted hours (22:00- 05:00) on 30th November ^ 1st December 2021 near Sha Tin Station (at Zone 2). The construction activities were carried out within the allowable location and within the site boundary listed in the CNP. The night-time construction works included TTA	30/12/2021

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						implementation, asphalt milling, asphalt paving, compaction of asphalt pavement, painting of road marking, loading and unloading of materials, and site clearance. ET checked that the Main Contractor had complied with the conditions in CNP No.: GW-RN0600-21 about the allowable location, constriction time period, PMEs type and groups and mitigation measures. While prior notification was sent to EPD on 19 <sup>th</sup> November 2021 and Notice to Affected Residents – PN162 and 165 have been issued to nearby NSRs on 27 <sup>th</sup> October and 29 <sup>th</sup> November 2021. The Main Contractor was reminded to pay attention to CNP conditions and minimize the noise nuisance to the nearby NSRs when carry out similar night-time construction work activities in the future.	
EPD ref.: RN29574- 21	07/12/21	EPD	CCZJV	Noise	07/12/21	This complaint was received by the EPD Regional Office (North) on 7 <sup>th</sup> December 2021. The complainant concerned about the night-time noise nuisance generated from the operation of PMEs near Lek Yuen Estate, Kwai Wo House on 7th December 2021 at 2:00-3:00 a.m. The construction work activities were allowed under the in-force CNP no.: GW-RN0600-21 Road Closure for General Night Works. According to the Main Contractor, the construction work activities were carried out during the permitted hours (22:00- 05:00) on 6^7th December 2021 near Kwai Wo House (at Zone 3). The construction activities were carried out within the allowable location and within the site boundary listed in the CNP. The night-time construction works included TTA implementation, lifting of steel truss of overhead height restriction gantry, installation of overhead height restriction gantry, and site clearance. ET checked that the Main Contractor had complied with the conditions in CNP No.: GW-RN0600-21 about the allowable location, constriction time period, PMEs type and groups and mitigation measures. While prior notification was sent to EPD on 19 <sup>th</sup> November 2021 and Notice to Affected Residents – PN165	24/12/2021

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						have been issued to nearby NSRs on 29 <sup>th</sup> November 2021. The Main Contractor was reminded to pay attention to CNP conditions and minimize the noise nuisance to the nearby NSRs when carry out similar night-time construction work activities in the future.	
COM-2021- 0272	16/12/21	1823	CCZJV	Noise	16/12/21	This complaint was received by 1823 (ref: CASE#3- 7020268390) on 16 <sup>th</sup> December 2021 at 12:27 a.m. The complainant concerned about the recent night-time noise nuisance generated from the construction works near Wai Wah Centre Block 3. This complaint was referred from AECOM to ET on 16 <sup>th</sup> December 2021 at 4:33 p.m. ET is carrying out investigation and the incident report will be submitted to EPD in January 2022.	Expect to be submitted to EPD during Jan 22
COM-2021- 0193 and COM-2021- 0202	21/12/21	1823	CCZJV	Noise	23/12/21	This complaint was received by 1823 (ref: CASE#3- 6727963845) on 21 <sup>st</sup> December 2021 at 8:35 a.m. and 22 <sup>nd</sup> December 2021 at 5:06 p.m. The complainant, Ms. So concerned about the noise nuisance generate from the day-time construction activities near Wo Che Estate, Mei Wo House. This complaint was referred from AECOM to ET on 23 <sup>rd</sup> December 2021 at 1:06 p.m. ET is carrying out investigation and the incident report will be submitted to EPD in January 2022.	Expect to be submitted to EPD during Jan 22
COM-2021- 0275	29/12/21	1823	CCZJV	Noise	30/12/21	This complaint was received by 1823 (ref: CASE#3- 7043757669) on 29 <sup>th</sup> December 2021 at 12:07 a.m. and 01:58 a.m. The complainant concerned about the noise nuisance generate from the night-time construction activities at Tai Po Road on 22 <sup>nd</sup> /23 <sup>rd</sup> and 28^29 <sup>th</sup> December 2021. This complaint was referred from AECOM to ET on 30 <sup>th</sup> December 2021 at 4:33 p.m. ET is carrying out investigation and the incident report will be submitted to EPD in January 2022.	Expect to be submitted to EPD during Jan 22

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#### **Cumulative Statistics on Complaints**

Environmental Parameters	Cumulative No. Brought Forward	No. of Complaints This Month	Cumulative Project- to-Date
Air	5	0	5
Noise	33	5	38
Water	3	0	3
Waste	0	0	0
Total	40*	5	45*

\*The 1<sup>st</sup> complaint in March 2021 included both the air and noise parameters, hence the total no. of complaints are deducted by 1.

#### Cumulative Statistics on Notification of Summons and Successful Prosecutions

Environmental Parameters	Cumulative No. Brought Forward	No. of Notification of Summons and Prosecutions This Month	Cumulative Project- to-Date
Air	0	0	0
Noise	0	0	0
Water	0	0	0
Waste	0	0	0
Total	0	0	0

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Appendix M

Summary of Site Audit in the Reporting Month

# FUGRO TECHNICAL SERVICES LIMITEDFugro Development Centre,<br/>5 Lok Yi Street, Tai Lam,<br/>Tuen Mun, N.T.,<br/>Hong Kong.Tel<br/>Fax:+852 2450 8233<br/>FaxFax:+852 2450 6138<br/>E-mail<br/>: matab@fugro.com<br/>Website : www.fugro.com



#### Summary of Site Audit in the Reporting Month

Parameters		Date				
	9 December 2021	<b>Observation:</b> 1. The stockpile of excavated soil should be covered with tarpaulin to prevent dust impact (Zone 5, SB, S3E1).	1. Stockpile of sand has been covered (Zone 5).			
Air Quality	29 December	<b>Observation:</b> 1. NRMM label should be displayed at a conspicuous position (Zone 4, SB, NF66).	1. NRMM label have been affixed (Zone 4).			
	2021	<b>Reminder:</b> 1. Newly implemented drill rig should have a proper NRMM label and displayed at a conspicuous position (Zone 3, SB, S05).	-			
Noise	Ν	month.				
	14 December 2021	<b>Reminder:</b> 1. The sedimentation tank should be desilted and have pH monitoring regularly (Zone 3, SB, S10).	-			
	20 December	<b>Observation:</b> 1. Mitigation measures (such as cleaning of u- channel, sandbag bunding and covered with tarpaulin) should be provided to minimize muddy water formation or overflow to the cycling track (Zone 5, SB, S15).	1. Mitigation measures have been provided (Zone 5).			
Water Quality	2021	<b>Reminder:</b> 1. The Contractor should prevent a stockpile of excavated soil next to the site boundary. Covering with tarpaulin or lowering the soil's height should be applied to prevent muddy water formation or overflow to the cycling track (Zone 5, SB, S15).	-			
	29 December 2021	Sandbags with tarpaulin should be provided next to the pilling machine. It is to prevent mud being disposed to the highway (Zone 5, SB, S3E1).	1. Sandbags with tarpaulin have been provided next to the pilling machine (Zone 5).			
Chomical and	2 December 2021	<b>Observation:</b> 1. Chemical containers should be placed on a drip tray to prevent soil contamination. Moreover, the drip tray should be repaired in order to have an impermeable floor and bunding for holding any chemical leakage accidentally (Zone 1, NB, R1).	1. Drip tray has been repaired and provided for the chemical drums (Zone 1).			
Chemical and Waste Management	9 December 2021	<b>Observation:</b> 1. Chemical containers should be placed on a drip tray to prevent soil contamination (Zone 4, SB, S6E1).	1. Drip tray has been provided for the chemical drums (Zone 4).			
	20 December 2021	<b>Observation:</b> 1. Drip tray should be provided for holding the chemicals. Also need to cover properly to prevent soil contamination (Zone 5, SB, S15).	1. The chemical drum have been removed (Zone 5).			
Land Contamination	Ν	No specific observation was identified in the reporting month.				
Landscape and Visual Impact	No specific observation was identified in the reporting month.					
General Condition	Ν	specific observation was identified in the reporting month.				
Permit / Licenses	Ν	month.				