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

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



Report No.: 0064/18/ED/0778B

#### **MONTHLY EM&A REPORT**

August 2023

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/0778B

Prepared by 2

Toby Wan

**Reviewed by** 2 Calvin Leung

**Certified by** 2

-4 win P

Calvin Leung **Environmental Team Leader Fugro Technical Services Limited** 

A Fugro Group Company



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



Our ref:

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

Attention: Mr. Joseph YAN

18 September 2023

Dear Joseph,

# NE/2017/05 Road Widening and Retrofitting Noise Barriers on Tai Po Road (Sha Tin Section) Monthly EM&A Report for August 2023

I refer to the email of the ET regarding to the captioned Monthly EM&A Report with report No. 0064/18/ED/0778B, 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)



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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 August 2023 and 31 August 2023. 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>Road surface Maintenance</li> <li>Noise Barrier Foundation Works</li> <li>Slope Reinstatement and Drainage Works</li> <li>Noise Barrier Erection Works</li> <li>Relocation of Existing Fire Hydrants and relating Watermains Reinstatement of cycling track</li> </ul>	<ul> <li>Trial pits excavation</li> <li>Road surface Maintenance</li> <li>Noise Barrier Erection Works</li> <li>Noise Barrier Foundation Works</li> <li>Relocation of Existing Fire Hydrants and relating Watermains</li> </ul>	<ul> <li>Tree Works (preservation / felling/ pruning/ transplantation)</li> <li>Road surface Maintenance</li> <li>Reinstatement of footpath and cycle track</li> <li>Construction of Retaining Wall and Erection of Parapet</li> <li>Lift no.2 Installation + SR5 Foundation Works + Construction of [former staircase] Abutment Wall</li> <li>Construction Works for N263 &amp; N264 Bridge Deck Widening + Construction of New Abutment Wall + Demolition of Existing Beam/ Slab + Road Diversion + Asphalt Works</li> <li>Construction Works for Lift no.1</li> <li>Construction Works for Lift no.1</li> <li>Construction Works N262 Bridge Deck Widening</li> <li>Relocation of Existing Fire Hydrants and relating Watermains</li> <li>Noise Barrier Foundation Works</li> <li>Pilling Construction Works</li> </ul>	<ul> <li>Road surface Maintenance</li> <li>Noise Barrier Foundation Works</li> <li>Relocation of Existing Fire Hydrants and relating Watermains</li> </ul>	<ul> <li>Road surface Maintenance</li> <li>Noise Barrier Foundation Works</li> <li>Slope Landscaping Works + Irrigation System for Landscaping + Drainage Works on Slope</li> <li>Noise Barrier Erection Works</li> <li>Relocation of Existing Fire Hydrants and relating Watermains</li> <li>Reinstatement of cycling track</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 1, 10, 15, 24 and 29 August 2023 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. A complaint was received in the report month. The summaries are listed below:
  - A complaint was received by 1823 (CASE#3-7875615750) on 31st August 2023. The complainant who is concerned about the muddy water flooded out of the construction site.

#### **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 57<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 August 2023 and 31 August 2023.

#### 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**.

Table 1.1 Contact mornation of Key reisonner				
Party	Position	Name	Telephone	
Project Proponent (CEDD)	Senior Engineer	Mr. Joseph Yan	3152 3551	
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. S.Y. Wong	9257 8521	
Main Contractor (CCZJV)	Environmental Officer	Ms. Ymen Wong	5267 6087	
ET (FTS)	Environmental Team Leader	Mr. Calvin Leung	3565 4441	
	Environmental Team Member	Mr. Toby Wan	3656 4450	

 Table 1.1
 Contact Information of Key Personnel



#### **1.3** Construction Programme and Activities

- 1.3.1 This project was commenced on 29 November 2018 and the construction works is expected to be completed in year 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>Road surface Maintenance</li> <li>Noise Barrier Foundation Works</li> <li>Slope Reinstatement and Drainage Works</li> <li>Noise Barrier Erection Works</li> <li>Relocation of Existing Fire Hydrants and relating Watermains</li> <li>Reinstatement of cycling track</li> </ul>	<ul> <li>Trial pits excavation</li> <li>Road surface Maintenance</li> <li>Noise Barrier Erection Works</li> <li>Noise Barrier Foundation Works</li> <li>Relocation of Existing Fire Hydrants and relating Watermains</li> </ul>	<ul> <li>Tree Works (preservation / felling/ pruning/ transplantation)</li> <li>Road surface Maintenance</li> <li>Reinstatement of footpath and cycle track</li> <li>Construction of Retaining Wall and Erection of Parapet</li> <li>Lift no.2 Installation + SR5 Foundation Works + Construction of [former staircase] Abutment Wall</li> <li>Construction Works for N263 &amp; N264 Bridge Deck Widening + Construction of New Abutment Wall + Demolition of Existing Beam/ Slab + Road Diversion + Asphalt Works</li> <li>Construction Works for Lift no.1</li> <li>Noise Barrier Foundation Works + Drainage Works</li> <li>Pilling Construction Works</li> </ul>	<ul> <li>Road surface Maintenance</li> <li>Noise Barrier Foundation Works</li> <li>Relocation of Existing Fire Hydrants and relating Watermains</li> </ul>	<ul> <li>Road surface Maintenance</li> <li>Noise Barrier Foundation Works</li> <li>Slope Landscaping Works + Irrigation System for Landscaping + Drainage Works on Slope</li> <li>Noise Barrier Erection Works</li> <li>Relocation of Existing Fire Hydrants and relating Watermains</li> <li>Reinstatement of cycling track</li> </ul>

# FUGRO TECHNICAL SERVICES LIMITEDFugro Development Centre,<br/>5 Lok Yi Street, Tai Lam,<br/>Tuen Mun, N.T.,<br/>Hong Kong.Tel<br/>Exaction 1: +852 2450 8233<br/>Fax<br/>Exaction 1: +852 2450 6138<br/>Exaction 1: +852 2450 61



#### 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**.

#### 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-RN0627-23	27/06/2023	26/09/2023
Construction Noise Permit for Road Closure, Erection of Sign Gentry (Zone $1 - 2$ )	GW-RN0670-23	08/07/2023	30/09/2023
Construction Noise Permit for Central Medium and South Hollow Abatement and N4 (Zone 3 – 5)	GW-RN0735-23	16/07/2023	15/09/2023
Construction Noise Permit for 24 hours Water Pump (Zone $1 - 5$ )	GW-RN0287-23	01/04/2023	30/09/2023

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#### 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	AMS4	*Sibata	Model LD-3B	Sibata Portable TSP Monitors	597318
2	AMS7A	*Sibata	Model LD-5R	Sibata Portable TSP Monitors	620407
3	AMS12	*Sibata	Model LD-5R	Sibata Portable TSP Monitors	620408
4	AMS17	*Sibata	Model LD-5R	Sibata Portable TSP Monitors	620480

 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 4, 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
1	AMS4	Sibata	Model LD-3B	Sibata Portable TSP Monitors	597318
2	AMS7A	Sibata	Model LD-5R	Sibata Portable TSP Monitors	620407
3	AMS12	Sibata	Model LD-5R	Sibata Portable TSP Monitors	620408
4	AMS17	Sibata	Model LD-5R	Sibata Portable TSP Monitors	620480

#### 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 August 2023 was northeast, east and southwest. The most updated locations are summarized in **Table 2.3** and shown in **Figure 2a**.

Monitoring Station	Location	Land uses
AMS4	Wai Wah Centre (Site Boundary)	Residential Village
AMS7A	Sheung Wo Che	Residential Village
AMS12	Fung Wo Estate	Residential Village
AMS17	Wo Che Estate	Residential Village

#### 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 4, 7A, 12 and 17 in the reporting month.
- 2.6.3 During the reporting month, major dust sources included trial pits excavation, piling works, demolition of existing parapet, removal of existing staircase, road surface maintenance and ELS 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	Summary of 24-hr TSP Monitoring Results					
Parameter	Monitoring Average Range Action Level Limit L Station (μg/m <sup>3</sup> ) (μg/m <sup>3</sup> ) (μg/m <sup>3</sup> ) (μg/ m					
	AMS4	29	21-45	200		
24-hr TSP	AMS7A	30	22-44	171	260	
in µg/m <sup>3</sup>	AMS12	27	22-29	168	200	
	AMS17	26	23-29	171		

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/m <sup>3</sup>	AMS4	35	24-54	348	500
	AMS7A	34	22-59	344	
	AMS12	31	27-36	296	
	AMS17	31	24-36	338	

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

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#### 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.

Item	Brand	Model	Equipment	Serial Number
1	Casella	CEL-63X Series	Integrating Sound Level Meter	0873599
2	Casella	CEL-63X Series	Integrating Sound Level Meter	1488291
3	Casella	CEL-63X Series	Integrating Sound Level Meter	1488303
4	Casella	CEL-63X Series	Integrating Sound Level Meter	4181587
5	Casella	CEL-120 Series	Calibrator	2525896
6	Casella	CEL-120 Series	Calibrator	2525984
7	Casella	CEL-120 Series	Calibrator	4358250
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 3.2 Monitoring Parameters and Frequencies of Noise Monitoring

Parameter	Frequency and Period
L <sub>Aeq</sub> (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



#### 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**.

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



Table 3.3	a 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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Table 3.4 Summary of Day Time Noise impact Monitoring Results				
Monitoring Station	L <sub>eq (30min)</sub> Range, dB(A) Construction Noise Level	L <sub>eq (30min)</sub> Limit Level, dB(A)		
NMS1	61.6 - 66.4	75		
NMS2	53.7 – 55.3	75		
NMS3	63.1 – 66.5	75		
NMS4	64.2 - 65.8	75		
NMS5A	68.3 - 69.7	75		
NMS6A	71.8 – 74.6	75		
NMS7	65.7 - 67.8	75		
NMS8	64.8 - 67.2	75		
NMS9	64.7 - 68.3	75		
NMS10A	64.5 - 66.7	65/70 <sup>[2]</sup>		
NMS11	62.3 – 65.5	75		
NMS12	63.6 - 66.7	65/70 <sup>[2]</sup>		
NMS13	61.3 - 68.2	75		
NMS14	59.2 - 65.4	75		
NMS15	63.1 – 64.8	75		
NMS16	61.2 - 66.2	75		
NMS17	61.9 - 68.7	65/70 <sup>[2]</sup>		
NMS18	63.0 - 67.4	75		
NMS19	62.6 - 68.7	75		
NMS20	62.8 - 65.1	75		
NMS23	62.4 - 64.0	75		
NMS24	63.3 - 69.3	75		
NMS25A	66.2 - 67.8	75		
NMS26	66.2 - 68.7	75		
NMS27	62.0 - 65.7	65/70 <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**.

3.7.6 Regular night time noise monitoring were conducted on 1, 10, 15, 24 and 29 August 2023 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	58.2 - 59.2	55	61.4		
NMS2	51.8 – 53.7	55	49.7		
NMS3	62.4 - 63.9	55	70.9		
NMS4	58.1 – 61.1	55	62.6		
NMS5A	65.1 – 66.3	55	67.9		
NMS6A	69.5 – 70.1	55	71.5		
NMS7	52.6 - 57.2 <sup>[2]</sup>	55	59.0		
NMS8	61.8 - 62.4	55	64.4		
NMS9	50.6 - 53.1 <sup>[2]</sup>	55	53.5		
NMS11	52.3 - 54.5	55	53.2		
NMS13	52.5 – 53.7	55	57.3		
NMS14	51.8 – 54.4 <sup>[2]</sup>	55	54.1		
NMS15	45.5 – 57.6 <sup>[2]</sup>	55	58.8		
NMS16	50.8 – 58.2	55	60.1		
NMS18	51.9 – 55.0	55	63.2		
NMS19	53.9 – 55.2	55	61.7		
NMS20	49.9 – 51.0	55	57.7		
NMS23	43.6 - 58.2 <sup>[2]</sup>	55	59.9		
NMS24	49.7 – 54.5 <sup>[2]</sup>	55	58.0		
NMS25A	54.1 – 57.3	55	59.7		
NMS26	57.3 – 60.9	55	61.2		

able 3.5	Summary of Night	Time Noise Im	pact Monitoring	Results

Note: 1. L<sub>eq (15min)</sub> was measured at night-time (2300-0700).

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

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

- 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 due to construction activity was recorded between 2300 and 0700 of the next day 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 is given in **Appendix M**.
- 4.2.2 No non-compliance of the landscape and visual impact was recorded in the reporting month.



#### 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**.



#### 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 3, 10, 17, 21 and 31 August 2023. The site inspection held on 21 August 2023 were 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 as 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**.



#### 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 1, 10, 15, 24 and 29 August 2023 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 in the report month. The details are listed below:
  - A complaint was received by 1823 (CASE#3-7875615750) on 31st August 2023. The complainant who is concerned about the muddy water flooded out of the construction site.

ET is carrying out an investigation and the investigation report is expected to be submitted to EPD at the end of September 2023.

7.2.2 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 broken sandbag should be replaced. (Zone 4, CM)
- The cement material should be covered. (Zone 3, S06)
- Construction Noise Impact
- No specific observation was identified in the reporting month.
- Water Quality Impact
- The water discharge should meet the requirement of the discharge license.

The contractor is reminded to review the capacity of the sedimentation tank and the sedimentation time.

The contractor is reminded to desilting frequently to ensure there is enough volume for the tank.

The contractor is recommended to add Alum to speed up the process of sedimentation time. (Zone 3, SB)

- The sediment outside the water barriers should be cleared. (Zone 3, CM, S18)
- The U-channel should be cleared to prevent waste and sand from being washed into the drainage system. (Zone 3, SB, SR6)
- Sandbags bunding should be provided for guiles. (Zone 3, SB)
- The contractor is reminded to review the sediment procedure. (Zone 4, CM)
  The inlet pipe and outlet pipe should not be placed together.
  The outlet pump should not be arranged in a position that is too low in the sedimentation
  tank.

The contractor is recommended to use the original outlet of the sedimentation tank.

• The sediment inside the sedimentation tank should be cleared. (Zone 3, S06)

Chemical and Waste Management

- Oil drums should be removed. (Zone 3, SB)
- The construction waste should be cleared. (Zone 3, SB)
- Drip tray should be provided for chemical containers. (Zone 3, SB)
- The construction waste should be cleared regularly. (Zone 3, SB)
- Drip trays should be provided for chemical containers. Also, the empties containers should be removed. (Zone 3, SB)
- Segregation and disposal of construction waste and general refuse should be implemented. (Zone 3, SB)
- The contractor is reminded to provide a suitable area for temporary storage of chemical waste. The construction materials in front of the chemical cabinet should be cleared. (Zone 3, SB)
- The stagnant water inside the drip tray should be cleared.
- (Zone 3, SB)
- The mud along the water barriers should be cleared. Also, sandbags should be provided. (Zone 3, SB, S04)



- Sandbags should be provided along the school area to prevent the muddy water from flowing into the school. (Zone 3, SB)
- The contractor is reminded to review the sedimentation tank to ensure there is enough capacity to handle the adverse weather in the coming days.

#### Land Contamination

- The rock breaker should be placed on a tarpaulin sheet to prevent land contamination. (Zone 3, CM, S18)
- Tarpaulin sheets should be padded under the rock breakers to prevent land contamination. (Zone 3, SB & CM)
- Impermeable sheeting should be provided for the rock breaker to prevent land contamination. (Zone 3, SB)

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

• The faded NRMM should be replaced. (Zone 5, CM)

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#### 9. FUTURE KEY ISSUES

#### 9.1 Construction Programme for the Next Month

- 9.1.1 During the coming reporting month, the principal work activities within the site include:
  - (1) Trial pits excavation at Zone 1 and 2
  - (2) Road surface Maintenance at Zone 1, 2, 3, 4 and 5
  - (3) Noise Barrier Foundation Works at Zone 1, 2, 3, 4 and 5
  - (4) Slope Reinstatement and Drainage Works at Zone 1
  - (5) Noise Barrier Erection Works at Zone 1, 2 and 5
  - (6) Relocation of Existing Fire Hydrants and relating Watermains at Zone 1, 2, 3, 4 and 5
  - (7) Reinstatement of cycling track at Zone 1 and 4
  - (8) Tree Works (preservation / felling/ pruning/ transplantation) at Zone 3
  - (9) Reinstatement of footpath and cycle track at Zone 3
  - (10) Construction of Retaining Wall and Erection of Parapet at Zone 3
  - (11) Lift no.2 Installation + SR5 Foundation Works + Construction of [former staircase] Abutment Wall at Zone 3
  - (12) Construction Works for N263 & N264 Bridge Deck Widening + Construction of New Abutment Wall + Demolition of Existing Beam/ Slab + Road Diversion + Asphalt Works at Zone 3
  - (13) Construction Works for Lift no.1 at Zone 3
  - (14) Construction Works N262 Bridge Deck Widening at Zone 3
  - (15) Drainage Works at Zone 3
  - (16) Piling Construction Works + Road Drainage Works at Zone 4 and 5
  - (17) Slope Landscaping Works + Irrigation System for Landscaping + Drainage Works on Slope at Zone 5
  - (18) Reinstatement Works for Traffic Island at 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 1, 10, 15, 24 and 29 August 2023, 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 3, 10, 17, 21 and 31 August 2023. Recommendations on mitigation measures on air quality, water quality, chemical and waste management and land contamination were given to the Contractor for remediating the deficiencies identified during the site inspections.
- 10.1.5 A complaint was received in the report month. The summaries are listed below:
  - A complaint was received by 1823 (CASE#3-7875615750) on 31st August 2023. The complainant who is concerned about the muddy water flooded out of the construction site.

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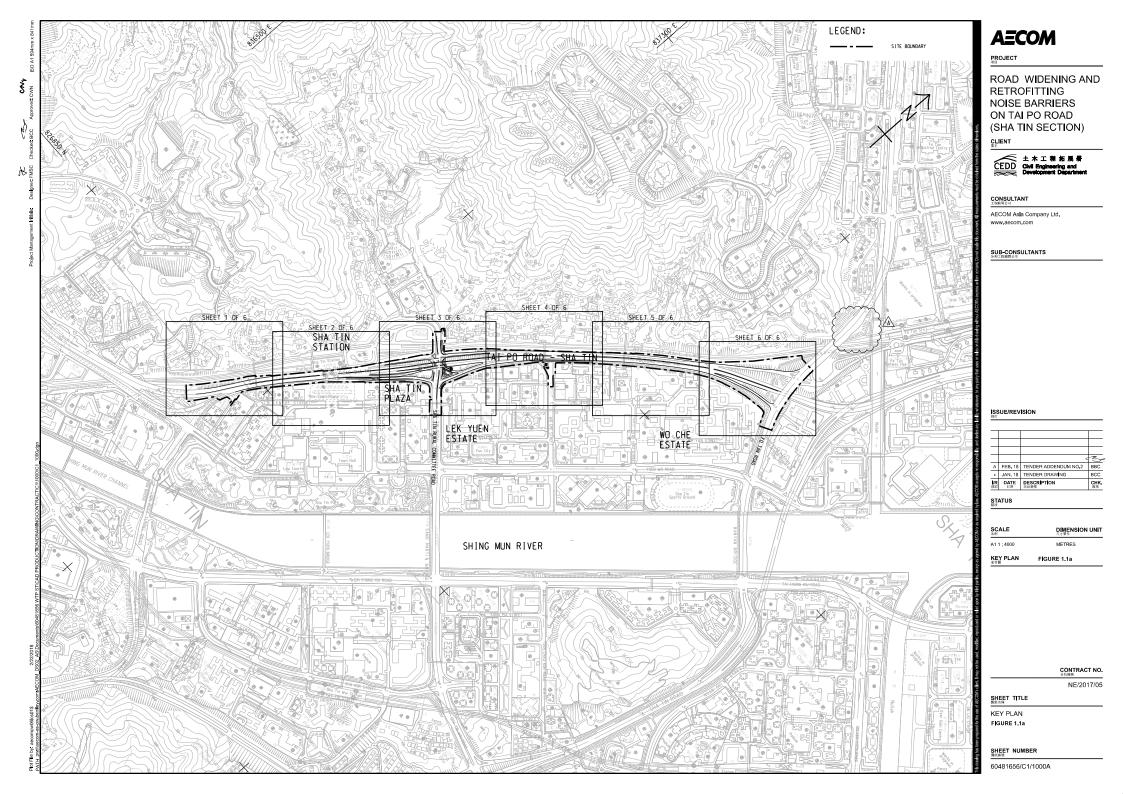
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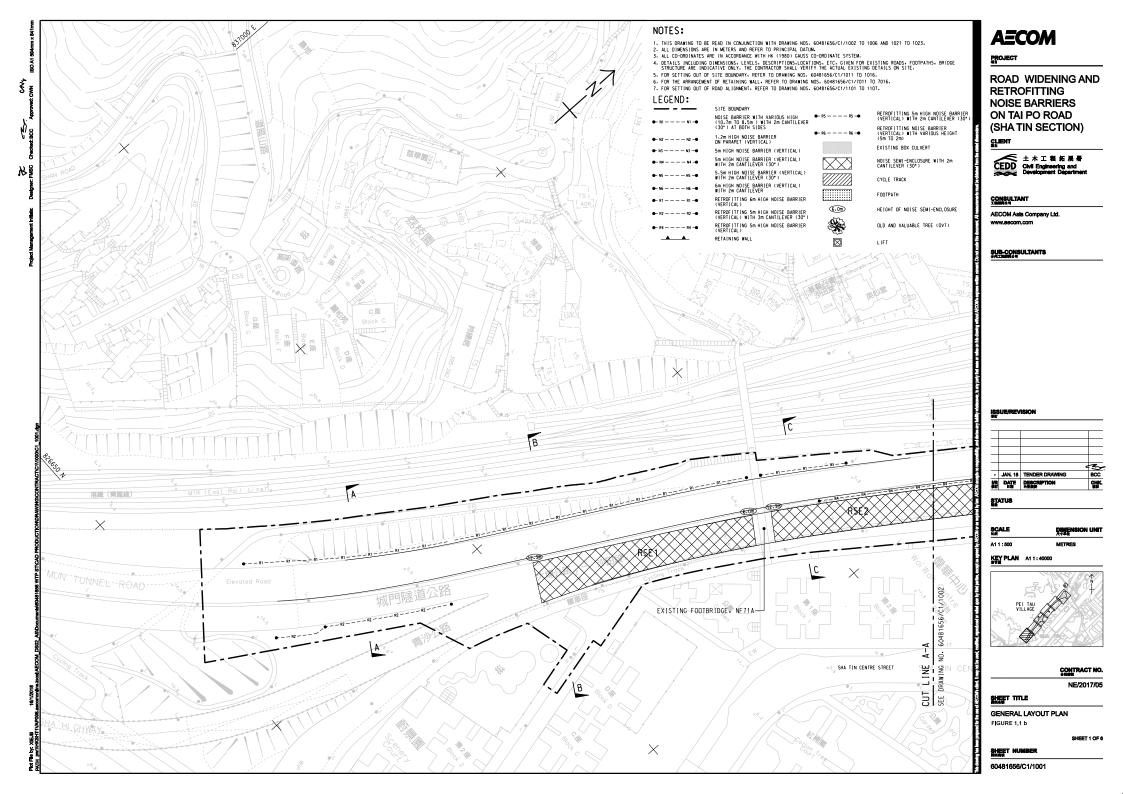


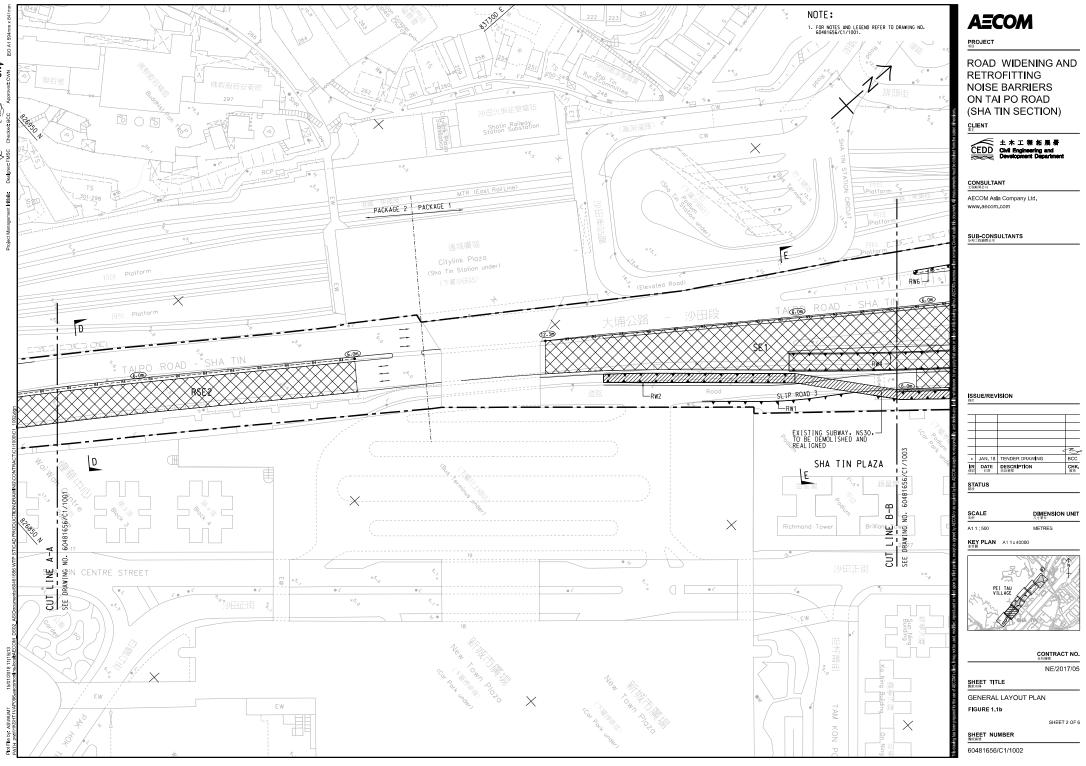
Figure 1

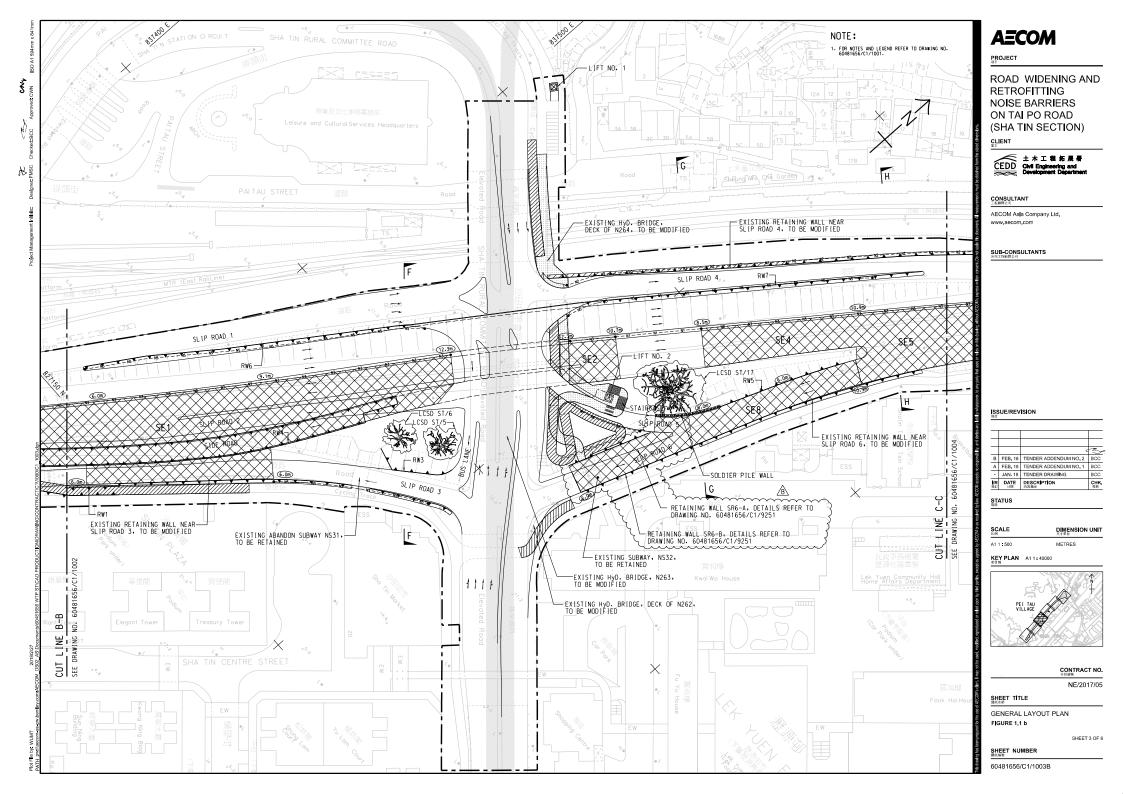
**Project General Layout** 

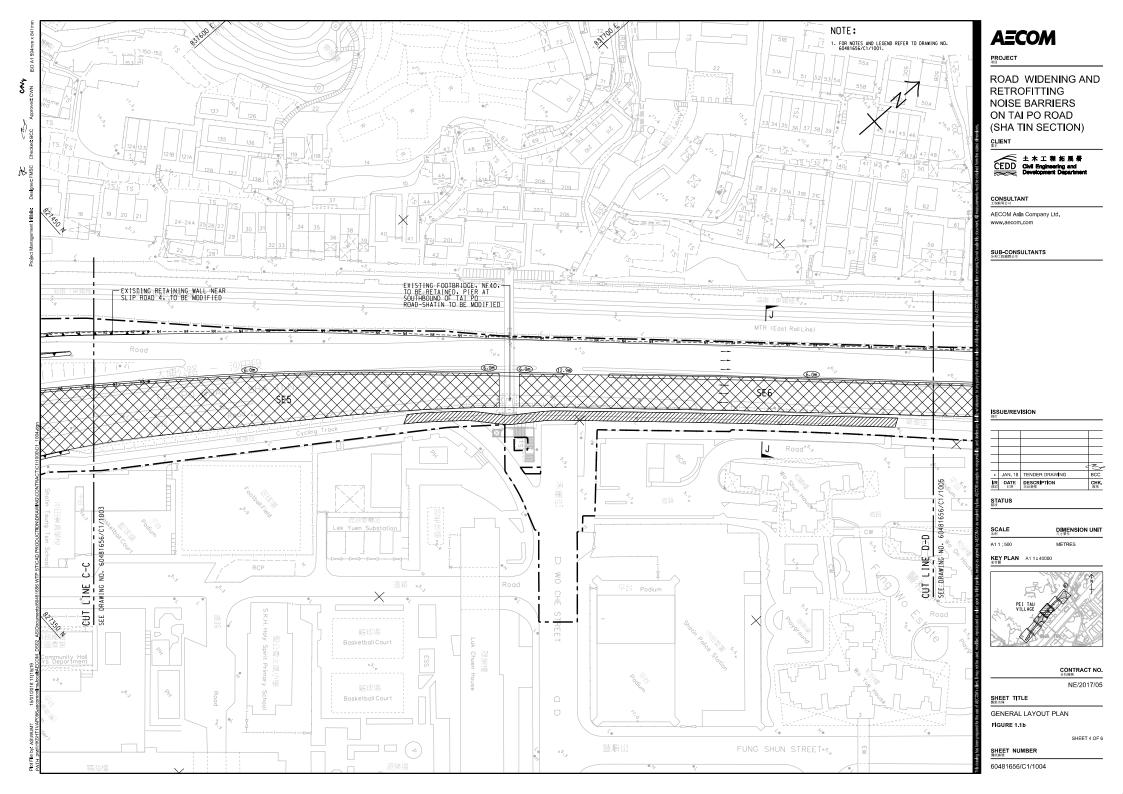
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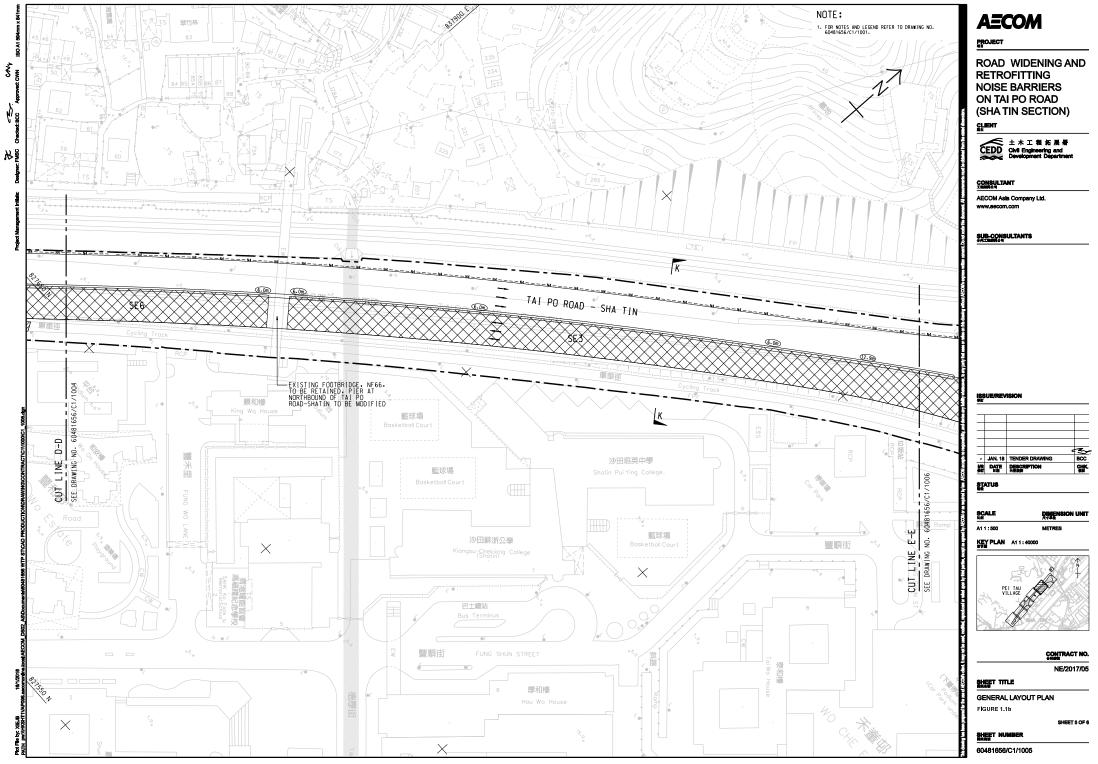


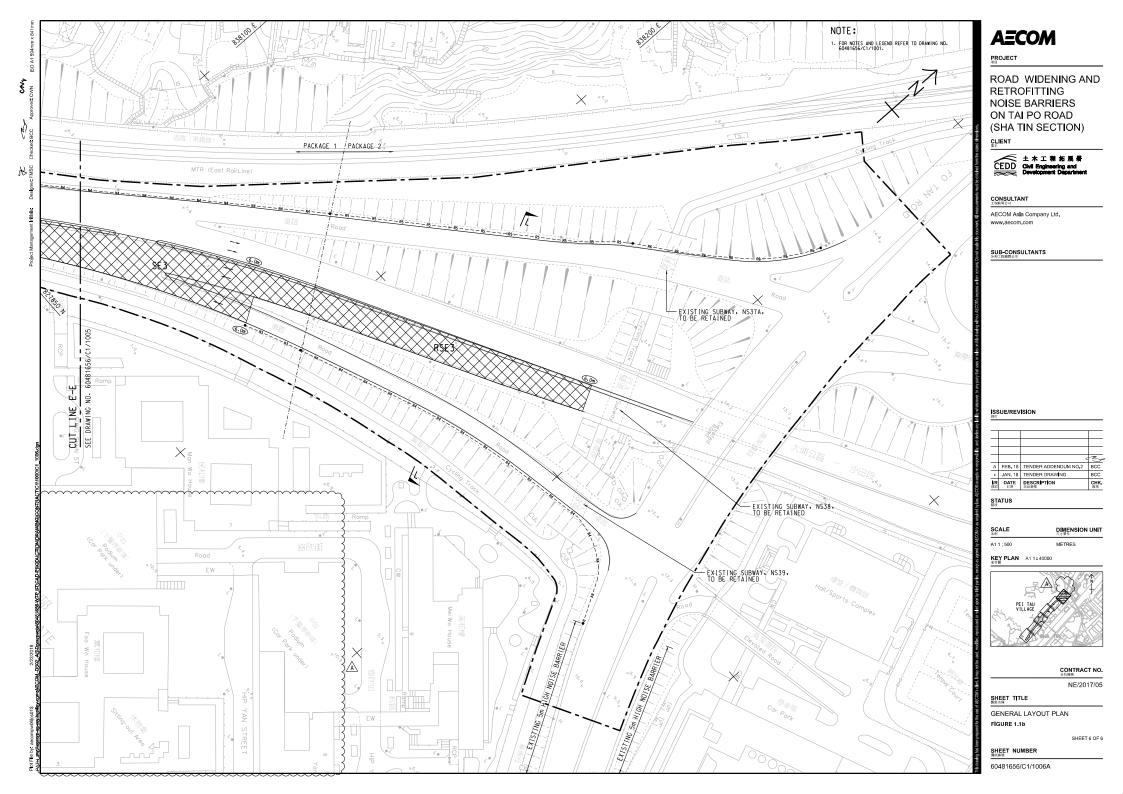












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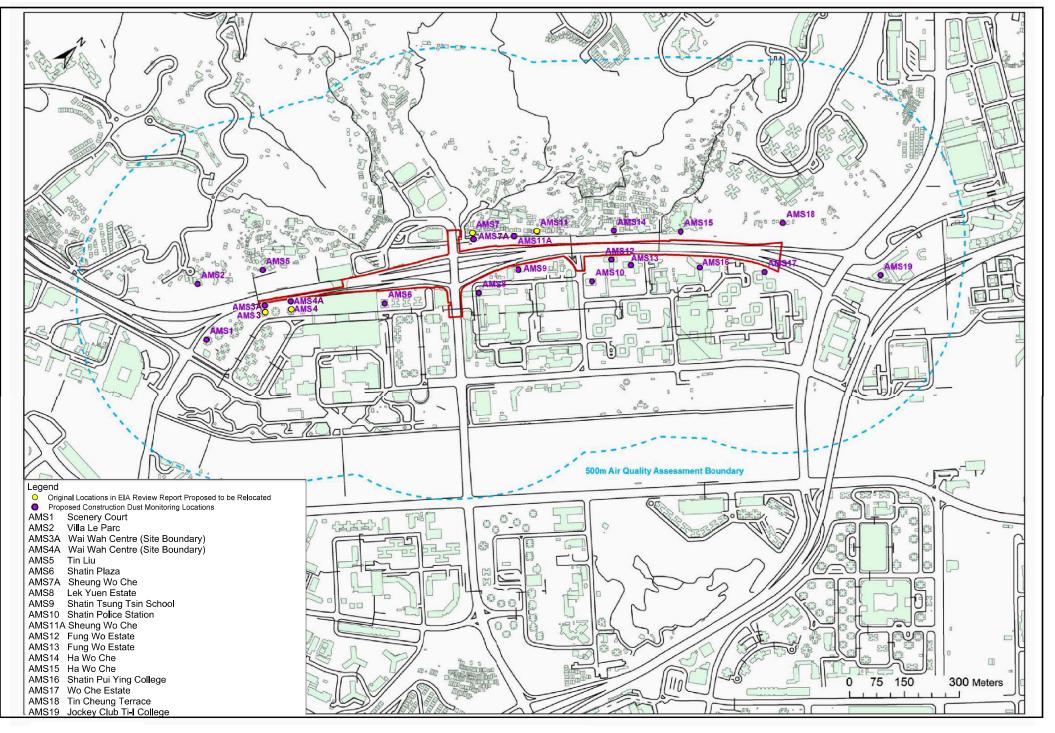
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Figure 2a

**Air Monitoring Locations** 

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Figure 2b

**Noise Monitoring Locations** 

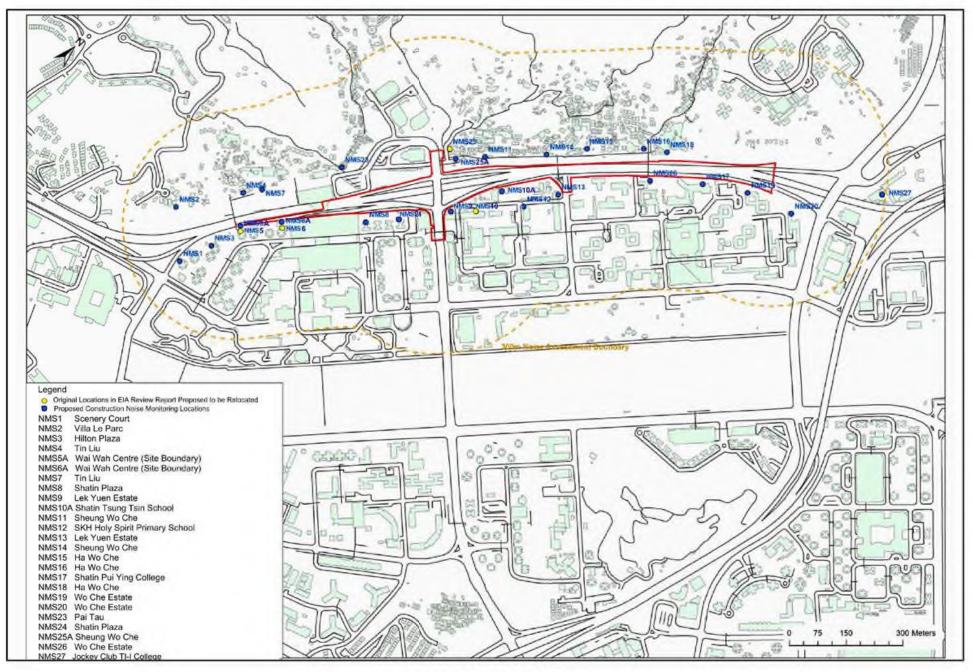


Figure 2b Noise Monitoring Locations



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Appendix A

**Construction Programme** 

# 中國中鐵一中鐵一局一振華工程聯營

tivity ID	Activity Name	Original Duration	Remaining Duration	3MRP Start	3MRP Finish	Arioolari	AP13 Finish	Aug 62	Sep 63	2
- Contract NE	2017_05 3-Months Rolling Programme (base on AP13) August 3	2023						62	63	
-										
PROJECT COM KEY1142		0	0		01 Aug 00*		08 Jun 00			
	Target Completion of Section 3 (remaining works)         Contract Completion of Section 3A	0	0		31-Aug-23* 31-Aug-23*		28-Jun-22 08-Jan-23		Target Completion of Sec	
KEY1150 KEY1160	Target Completion of Section 3A	0	0		31-Aug-23		30-May-23		Contract Completion of S	
		0	0		31-Aug-23		30-1May-23		Target Completion of Sec	tion 3A,
Tesign SUB										
				07.4 . 40.4	01.0.00	01.0.10	07.0		0	
DES1290	PM review & comment	28	1	07-Aug-19A		31-Aug-19	27-Sep-19		PM review & comment	
DES1300	Re-submit Superstructure Design of Noise Mitigation Measures in Zone 1 & 2 w/Design Certific;	20	1	26-Aug-19 A	· ·	12-Sep-21	02-Oct-21		Re-submit Superstruct	
DES1310	PM Consent for Construction	28	1	16-Sep-19A		03-Sep-21	30-Sep-21		PM Consent for Cons	
DES1330	PM review & comment	28	11	07-Aug-19 A	· ·	31-Aug-19	27-Sep-19		PM review &	
DES1340	Re-submit Superstructure Design of Noise Mitigation Measures in Zone 3 w/Design Certificate	21	21	12-Sep-23	03-Oct-23	12-Apr-22	03-May-22			R
DES1350	PM Consent for Construction	28	28	03-Oct-23	31-Oct-23	03-May-22	31-May-22			
REMAINING WC DES1530	PM review & comment	- 00	4	00. Jan 10. A	21 Aug 02	21 Jan 10	27-Feb-19			
	Re-submit Design of Watermain & Irrigation System w/Design Certificate	28	1	02-Jan-19 A	-	31-Jan-19			PM review & comment	
	PM review & comment	32 28	6	02-Jan-19 A 18-Oct-22 A	05-Sep-23	02-Apr-19	03-May-19 01-Jun-22		Re-submit Design of Wat	
DES1570		32	32		03-Sep-23 08-Oct-23	05-May-22 03-Jun-22	01-Jul-22 04-Jul-22		PM review & comm	ent
DES1580	Re-submit Design of E&M System (E&M & Road Lighting) w/Design Certificate PM Consent for Construction	28	28	06-Sep-23						
		-	20	08-Oct-23	05-Nov-23	05-Jul-22	01-Aug-22			
	/EEN SHING MUN TUNNELS ROAD AND FOOT BRIDGE NF71A (ZON	E 1)								
									Zone 1 Stage 1 R1 struct	turo P1 01 t
Z1SU1032	Zone 1 Stage 1 R1 structure R1-01 to 05	268	0	28-Jul-20 A		31-Jul-20	26-Jun-21			
Z1SU1034	Zone 1 Stage 1 R2 structure	435	0		19-Jan-23 A		07-Sep-21		Zone 1 Stage 2 R	ES1 SB fou
Z1SU1040	Zone 1 Stage 2 RES1 SB foundation/stern wall	216	6	19-Jan-22 A	-	09-Mar-22	28-Nov-22		, and the second s	1 Stage 2 R
Z1SU1042	Zone 1 Stage 2 R1 structure R1-06 to 17	139	16	11-May-22 A		25-Apr-22	10-Oct-22		Zone	1 Slaye 2 h
Z1SU1050	Zone 1 Stage 3 RES1 Arch beam & panel	52	67	19-Aug-23 A	20-Nov-23	11-Oct-22	29-Nov-22			
	R AND SEMI-ENCLOSURE									
PILE CAP AND F										
Z1 1012	R1_footing/stem wall construction R1-06 to R1-17 (8nr)	72	0	21-May-22 A	21-Aug-23 A	21-May-22	16-Aug-22		footing/stem wall construction R	1 06 to D1
Z1_1012	R1 backfill & remove ELS	20	3	16-Nov-22 A		16-Aug-22	08-Sep-22		R1_backfill & remo	
	-	20	0	TO NOV EEN	00 000 20	10 / lug 22	00 0cp 22			Ne ELS
NORTHBOUND										
<b>Z1_1030</b>	R1_erect steel posts PA1 to PA58 (58nr)	15	3	03-Feb-23 A	11-Sep-23	08-Sep-22	29-Sep-22		R1_erect ste	el posts PA
SOUTHBOUND					· ·					
💼 Z1_1200	RSE1_erect steel posts PD1 to PD22a (23nr)	6	1	05-Aug-23 A	07-Sep-23	30-Sep-22	11-Oct-22		RSE1_erect steel	posts PD1
<b></b> Z1_1210	RSE1_erect steel arch beam PC/D1 to PC/D22 (22nr)	11	7	19-Aug-23 A	25-Sep-23	11-Oct-22	07-Nov-22			RSE1_ere
NOISE BARRIEF	R PANEL									_
🔲 Z1_1040	R1_install noise barrier panel PA1 to PA58 (1120 sq.m)	6	5	28-Jun-23 A	18-Sep-23	29-Sep-22	10-Oct-22		R1_in	istall noise b
		-	· -	1	1	1				_
Z1_1220	RSE1_install noise barrier wall panel PD1 to PD22a (884 sq.m)	5	5	03-Oct-23	10-Oct-23	07-Nov-22	14-Nov-22			
Z1_1230	RSE1_install noise barrier roof panel PC/D1 to PC/D22a (1095 sq.m)	11	11	03-Nov-23	20-Nov-23	14-Nov-22	29-Nov-22			
	AND REMAINING WORKS									
ROADWORKS										
NORTHBOUND	Zone 1_road surfacing with flexible pavement Type 1 1391m2	16	16	21-Nov-23	12-Dec-23	25-Oct-22	16-Nov-22			
	2 Se E&M WORKS	10	10	21-1100-23	12-Dec-23	25-001-22	10-1100-22			
Z1_1470	Zone 1_FVMS gantry	30	30	25-Sep-23	02-Nov-23	07-Nov-22	12-Dec-22		(	
	,	1							<b>!</b>	
Remaining	_evel of Effort Remaining Work			~	ontract No	NE/2017/	05		Date	R
Actual Level	<b>3</b>	Deed	Nidonina	-				and (Cha Tin)	08-Sep-23 3MR	P DWP 23
Actual Level Actual Work		Road V	widening		•			oad (Sha Tin)		
				2 Montho	Rolling Pr	arommo	1-27 /110/001			

#### Layout : NE/2017/05 TPR 3MRP DWP 2308 TASK filter: 3 Months Rolling Programme.

2002				
Oct		Nov		Dee
64		65		Dec 66
04		05		00
aining works),				
of Noise Mitigation Meas	ures in Zone	1 & 2 w/Desi	gn Certif	icate
e-submit Superstructure		oise Mitigation ent for Const		es in Z
rigation System w/Desigr	n Certificate			
Re-submit Design of		n (E&M & Roa Consent for	-	
o 05				
ndation/stem wall 1 structure R1-06 to 17			7 1 0	***** 0
			Zone 1 S	lage 3
17 (8nr)				
1 to PA58 (58n <i>r</i> )				
to PD22a (23nr) ect steel arch beam PC/E	01 to PC/D22	: (22nr)		
parrier panel PA1 to PA58	s ( 1120 sq.m)			
RSE1_install noise	e barrier wall		PD22a( RSE1_in:	
		_		
	Zone 1	I_FVMS gant	ry	
<b>'</b>				
levision	Checked	Approved	1.0	of 6
08	EGA			0 0
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			4	

# 中國中鐵-中鐵一局-振華工程聯營 CHINA RAILWAY - CHINA RAILWAY FIRST GROUP - ZHEN HUA ENGINEERING JOINT VENTURE

Activity ID	Activity Name	Original		3MRP Start	3MRP Finis	n AP13 Start	AP13 Finish		20
		Duration	Duration					Aug 62	63 Sep
Z1_1480	Zone 1_street lighting & E&M works	45	45	06-Nov-23	29-Dec-23	07-Nov-22	31-Dec-22		
SOUTHBOU									
🗖 🗖 Z1_1460	Zone 1_street lighting & E&M works	45	45	06-Nov-23	29-Dec-23	07-Oct-22	29-Nov-22		
	CAL WORKS					1			
NORTHBOU	ND								
💼 Z1_1320	Zone 1_fill replacement by no-fines concrete 7SW-D/FF156 (open excavation) NB_R1	52	26	16-Dec-22 A	30-Sep-23	12-Aug-22	15-Oct-22		Zone
WORK BET	WEEN FOOT BRIDGE NF71A AND CITYLINE PLAZA (ZONE 2)								
Z2SU1010	Construction Zone 2_Stage 2 RSE2 SB foundation/stem wall	204	5	22-Dec-21 A	06-Sep-23	31-Dec-21	07-Sep-22		Construction Zone 2_Stage 2 R
Z2SU1020	Construction Zone 2_Stage 3 RSE2 Arch beam & panel	64	53	09-Jun-23 A		01-Aug-22	09-Nov-22	_	
	IER AND SEMI-ENCLOSURE	01	00		00 1101 20	of Adg EE	00 1101 22		
PILE CAP AND									
Z2_1110	RSE2 backfill & remove ELS	29	3	01-Sep-22 A	02-Sen-23	09-Jun-22	14-Jul-22		RSE2 backfill & remove ELS
	_	20		01 000 227	02 000 20	oo oun EE	11 OULTEE		
Z2_1130	RSE2_erect steel posts PD23a to PD67 (46nr)	12	2	30-Mar-23 A	06-Sep-23	14-Jul-22	01-Aug-22		RSE2_erect steel posts PD23a
Z2 1140	RSE2_erect steel arch beam PC/D23 to PC/D67 (45nr)	23	9	09-Jun-23 A	· ·	01-Aug-22	21-Sep-22		RSE2 erect steel posts i D25a
		20	5	00 0011 2071	10 000 20	or Aug 22			
CENTRAL BA									
Z2_1150	RSE2_install noise barrier wall panel PC23 to PC67 (624 sq.m)	4	4	26-Jul-23 A	21-Sep-23	21-Sep-22	27-Sep-22		RSE2_install no
		·	·	20 00. 2071	21 000 20	21 Oop 11	2, 000 11		
Z2_1160	RSE2 install noise barrier wall panel PD23a to PD67 (1560 sg.m)	8	6	25-Jul-23 A	03-Oct-23	27-Sep-22	10-Oct-22		RS RS
Z2 1170	RSE2_install noise barrier roof panel PC/D23 to PC/D67 (2187 sq.m)	22	22	03-Oct-23	03-Nov-23	10-Oct-22	09-Nov-22	_	Ne
	S AND REMAINING WORKS			00 001 20	00 1107 20	10 001 22	03 NOV 22		
Z2_1180	Zone 2_road surfacing with flexible pavement Type 1 1562m2	11	11	06-Nov-23	20-Nov-23	10-Oct-22	25-Oct-22		
	NG & E&M WORKS			00 1107 20	20 1101 20	TO OUT EE	LO O OT LL		
Z2_1315	Zone 2_sign gantry installation NT3954	30	30	16-Sep-23	25-Oct-23	21-Sep-22	28-Oct-22	-	
Z2_1320	Zone 2 street lighting & E&M works	60	60	06-Nov-23	17-Jan-24	29-Sep-22	10-Dec-22		
	_ 0 0	00	00	00 1107 20	in ball Et		10 000 22		
	Zone 2_sign gantry installation TGS 7	30	30	16-Sep-23	25-Oct-23	21-Sep-22	28-Oct-22		
Z2_1000	Zone 2_street lighting & E&M works	60	60	06-Nov-23	17-Jan-24	10-Oct-22	19-Dec-22	-	
		00	00	00-1107-23	17-Jan-24	10-001-22	19-Dec-22		
	WEEN CITYLINE PLAZA AND FOOTBRIDGE NF40 (ZONE 3)								
PRELIMINARI									
😑 Z3SU5000	Zone 3a (TPR area) Stage 1 RW6, RW7 & SR4	354	0	20-Nov-19 A	14-Nov-22 A		10-Nov-20		4
Z3SU5020	Zone 3a (TPR Area) Stage 3 SE1, SE2, N1, SE4 & SE5 CM foundation	100	63	27-Feb-23 A	15-Nov-23	27-Oct-22	14-Mar-23		
<b>Z</b> 3SU5040	Zone 3b (SB near SR6) Stage 1 Construct Lift Tower 2 & staircas e	256	0	31-Mar-20 A	21-Jun-23 A	29-Jun-20	11-May-21	ver 2 & staircas e	4
Z3SU5050	Zone 3b (near SR6) Stage 1 SE8 and SR6 foundation and N262 bridge	344	41	02-Jun-20 A	19-Oct-23	26-Jan-21	25-Mar-22		
Z3SU5060	Zone 3b (near SR6) Stage 2 N263 bridge deck construction	487	114	31-Mar-21 A		09-Jun-21	30-Jan-23		
Z3SU5070	Zone 3b (near SR6) Stage 3 Construct SR5	682	144	28-Oct-20 A		01-Dec-20	21-Mar-23	-	
Z3SU5080	Zone 3b (near SR6) Stage 4 cycle track ramp	233	233	21-Sep-23	08-Jul-24	08-Oct-22	29-Nov-23		
Z3SU5100	Zone 3c (near SR3) Stage 1 construct RW1, SR3 & subway NS30	162	0	· ·	25-Apr-22 A		22-Jun-21		
Z3SU5100	Zone 3c (near SR3) Stage 1 SR2 foundation & RW4 410 to 414	102	229	02-Dec-20 A 07-Sep-20 A	· ·	30-Jan-21	15-Jun-21		
		100	223	07-3ep-20A	11-Juli-24	00-0 d11-2 1	13-3011-21		
	IER AND SEMI-ENCLOSURE								
	ATION WORKS								
		04	0	24 Jun 00 A	02 400 00 4	28 Nov 00	24 Dec 22		
	SE1-1_mini piles for S1E1-51P (6nr ver) (N/B Stag1b + S/B Stage 4)	24	0	24-JUII-23 A	uz-Aug-23 P	28-Nov-22	24-Dec-22		P (6nr ver) (N/B Stag1b + S/B Stage 4)
Remaining	g Level of Effort Remaining Work $\diamond$ $\diamond$ Milestone			C	ontract N	o. NE/2017	/05		Date Re
	vel of Effort	Road V	Nidenina					Road (Sha Tin)	08-Sep-23 3MRP DWP 230
Actual Wo	ů –	noau v	acing		-				
Actual WO	ork Primary Baseline			<b>រ</b> លោពន	Rolling P	rogramme	(31/08/23)		
									·

	L	ayou		05 TPR 3MRP
		τ		WP 2308
		TA	SK IIIter: 3 M	lonths Rolling Programme.
2023				
Oct			Nov	Dec
64		_	65	66
e 1_fill replacement by no	o-fines	concr	ete 7SW-D/FF	- 156 (open exca
RSE2 SB foundation/ster	m wall	~		
		Cons	truction Zone	2_Stage 3 RSE
Ba to PD67 (46nr)				
arch beam PC/D23 to PC	/D67 (4	45nr)		
noise barrier wall panel P	C23 to	PC67	(624 sq.m)	
DCEO install paiss barrier				$(1ECO \circ \pi m)$
RSE2_install noise barrie	r wali p			barrier roof pan
		NOEZ		barrier roor pari
			7	Zone 2_road sur
	one 2_s	sign ga	antry installatio	on NT3954
70	one 2 s	sian az	entry installatio	n TGS 7
20			and y motaliate	
			Zone	3a (TPR Area) S
Zone 3b	(near	SR6) \$	Stage 1 SE8 a	nd SR6 foundati
١				
)				
Revision	Cheo	ked	Approved	_
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# 中國中鐵一中鐵一局-振華工程聯營

tivity ID	Activity Name	Original		3MRP Start	3MRP Finish	AP13 Start	AP13 Finish		202
		Duration	Duration					Aug 62	<u>Sep</u> 63
Z3_1010	N4_footing/stem wall construction N4-01 to N4-11 (11 nr)	108	10	17-Apr-23 A	12-Sep-23	06-Aug-22	13-Dec-22		N4_footing/stem wall const
<b>=</b> Z3_1020	N4_backfill & remove ELS	22	22	12-Sep-23	10-Oct-23	14-Dec-22	11-Jan-23		
_ FCENTRAL BAI									
<b>Z3_1120</b>	SE1-1_pile cap construction S1E1-01P & S1E1-02P (2nr) (N/B Stag1b + S/B Stage 3)	18	0		11-Aug-23 A		26-Jan-23		struction S1E1-01P & S1E1-02P (2nr) (N/
<b>Z3_1130</b>	SE1-1_backfill & remove ELS (N/B Stag1b + S/B Stage 3)	3	2	23-Aug-23 A	· ·	27-Jan-23	30-Jan-23		SE1-1_backfill & remove ELS
<b>Z</b> 3_1140	SE1-2_ELS for footing/cap construction S1E2-01P to S1E2-07 (48m_2 side) (N/B Stag1b + S/B	14	0		09-Aug-23 A		02-Nov-22		/cap construction S1E2-01P to S1E2-07(
<b>Z</b> 3_1150	SE1-2_cap/footing construction S1E2-01P to S1E2-07 (7nr) (N/B Stag1b + S/B Stage 3)	72	0		18-Aug-23 A		21-Feb-23	SE1 2_cap	footing construction S1E2-01P to S1E2-07
<b>Z3_1170</b>	SE1-2_backfill & remove ELS (N/B Stag1b + S/B Stage 3)	8	4	15-Mar-23 A	· ·	22-Feb-23	02-Mar-23		SE1-2_backfill & remove
<b>Z3_1200</b>	SE1-3_backfill & remove ELS (N/B Stag1b + S/B Stage 3)	7	4	14-Mar-23 A	· ·	30-Dec-22	07-Jan-23		SE1-3_backfill & remove E
<b>Z3_1230</b>	SE1-4_backfill & remove ELS (N/B Stag1b + S/B Stage 3)	12	6	22-Mar-23 A		01-Mar-23	14-Mar-23	-	SE1-4_backfill & remove ELS (
<b>Z</b> 3_1240	SE1-5_ELS for footing construction S1E5-01 to S1E5-05 (51m_2 side) (N/B Stag1a + S/B Stage	15	0	-	01-Aug-23 A		27-Aug-22		ction S1E5-01 to S1E5-05 (51m_2 side) (I
<b>Z</b> 3_1250	SE1-5_footing construction S1E5-01 to S1E5-05 (5nr) (N/B Stag1a + S/B Stage 0)	54	0		17-Aug-23 A		02-Nov-22	SE1 5_feetir	g construction S1E5-01 to S1E5-05 (5nr) (
<b>Z3_1260</b>	SE1-5_backfill & remove ELS (N/B Stag1a + S/B Stage 0)	9	5	25-Aug-23 A	· ·	03-Nov-22	12-Nov-22		SE1-5_backfill & remove ELS (N/
<b>Z</b> 3_1280	SE1-6_pile cap construction S1E6-01P (1nr) (N/B Stag1a + S/B Stage 0)	18	0		01-Aug-23 A		23-Nov-22		1E6-01P (1nr) (N/B Stag1a + S/B Stage 0)
<b>Z</b> 3_1290	SE1-6_backfill & remove ELS (N/B Stag1a + S/B Stage 0)	3	2	25-Aug-23 A		24-Nov-22	26-Nov-22		SE1-6_backfill & remove ELS (N/B Sta
<b>Z3_1390</b>	SE5-1_ELS for cap/footing construction S5E1-01P to S5E1-04 (56m_2 side) (N/B Stag1b + S/B	16	4	11-Apr-23 A		19-Nov-22	08-Dec-22		
<b></b> Z3_1400	SE5-1_cap/footing construction S5E1-01 to S5E1-04 (4nr) (N/B Stag1b + S/B Stage 0)	36	9	20-Apr-23 A		30-Dec-22	15-Feb-23		
<b>Z3_1410</b>	SE5-1_backfill & remove ELS (N/B Stag1b + S/B Stage 0)	10	5	10-May-23 A		15-Feb-23	27-Feb-23	-	
<b>Z</b> 3_1420	SE5-2_ELS for footing/cap construction S5E2-01 to S5E2-12 (132m_2 side) (N/B Stag1b + S/B	37	37	08-Sep-23	25-Oct-23	07-Oct-22	19-Nov-22	_	
<b>Z</b> 3_1430	SE5-2_cap/footing construction S5E2-01 to S5E2-12 (12nr) (N/B Stag1b + S/B Stage 0)	108	108	15-Sep-23	26-Jan-24	14-Oct-22	24-Feb-23		
			1			00 D 00		_	
Z3_1460	SE1-1_ELS for cap/footing construction S1E1-51P to S1E1-52 (19m_2 side) (N/B Stag1b + S/B	11	11	08-Sep-23	21-Sep-23	28-Dec-22	10-Jan-23	_	SE1-1_ELS for ca
Z3_1470	SE1-1_cap/footing construction S1E1-51P to S1E1-52 (2nr) (N/B Stag1b + S/B Stage 4)	36	36	21-Sep-23	06-Nov-23	11-Jan-23	24-Feb-23	_	
Z3_1480	SE1-1_backfill & remove ELS (N/B Stag1b + S/B Stage 4)	4	4	06-Nov-23	10-Nov-23	25-Feb-23	01-Mar-23	_	
Z3_1680	SE5-1_backfill & remove ELS	6	6	22-Sep-23	28-Sep-23	04-Jan-23	10-Jan-23	_	SE5-1_ba
<b>E</b> Z3_1710	SE5-2_backfill & remove ELS	22	22	22-Sep-23	19-Oct-23	19-May-23	14-Jun-23		
		10	10	10 Nov 00	00 Nov 00	10 Amr 00	04 Amr 00		
Z3_1740	SE8-1_ELS for footing construction SR6 1-A to SR6 4-A (34m_1 side)	10	10	13-Nov-23	23-Nov-23	12-Apr-23	24-Apr-23	_	
Z3_1750	SE8-1_footing construction SR6 1-A to SR6 4-A (4nr)	60	60	24-Nov-23	05-Feb-24	24-Apr-23	07-Jul-23		
Z3_1800	SE8-1B_backfill & remove ELS	3	2	23-Jun-23 A	· ·	01-Aug-22	03-Aug-22		SE8-1B_backfill & remove ELS
Z3_1830 STRUCTURE STRUCTUR	SE8-2_backfill & remove ELS	1	I	23-Jun-23 A	01-Sep-23	05-Sep-22	05-Sep-22		SE8-2_backfill & remove ELS
NORTHBOUN									
Z3_1860	N2_SR4_erect steel posts PK1 to PK41 (41nr)	11	1	11-Jul-22 A	31-Oct-23	06-Sep-22	21-Sep-22		
Z3_1880	N5_RW7_erect steel posts PL1 to PL32 (32nr)	8	8	31-Oct-23	10-Nov-23	21-Sep-22	03-Oct-22	_	
	AND REMAINING WORKS	Ŭ	Ŭ	01 000 20	10 1101 20	1: 00p 11	00 000 22		
ROADWORKS									
NORTHBOUN									
<b>Z3_2700</b>	Drainage construction MA06 to MA01 222m	139	139	31-Aug-23	19-Feb-24	21-Jul-22	05-Jan-23		
	RRIER								
📺 Z3_2770	Drainage construction MS01 to MS08 & MS47 to MS50 319m	100	14	24-Feb-23 A	20-Sep-23	29-Nov-22	31-Mar-23		Drainage construct
<b>Z3_2780</b>	Drainage construction MN60 to MN97 220m	69	69	31-Aug-23	22-Nov-23	19-Nov-22	15-Feb-23		
<b>Z</b> 3_3140	Drainage construction MS56 to MS62 110m	35	0	07-Jul-23 A	21-Aug-23 A	28-Jun-23	08-Aug-23	Drainag	construction MS56 to MS62 110m
<b>Z</b> 3_3200	Drainage construction MS72 to MS73 93m	59	59	22-Sep-23	02-Dec-23	19-May-23	29-Jul-23		
	STRUCTURE WORKS								
UTILITIES DIVI									
		0	0		00.000	00.1	40.1.00		
Z3_3010	UU_CLP-slew 11kv cable for RW2 CH1500-1550 50m	6	6	31-Aug-23	06-Sep-23	06-Jan-23	12-Jan-23	_	UU_CLP-slew 11kv cable for RW
Z3_3020	UU_NWT-slew cable for RW2 CH1525-1580 55m	13	13	07-Sep-23	21-Sep-23	13-Jan-23	31-Jan-23	-	UU_NWT-slew c
Z3_3080	UU_CLP-abandoned 11kv cable for SR6 CH1850-1950 100m	19	19	31-Aug-23	21-Sep-23	10-Jun-22	02-Jul-22	_	UU_CLP-abando
<b>Z3_3090</b>	UU_HGC-slew cable for SR6 CH1800-1870 70m	8	8	13-Sep-23	21-Sep-23	23-Jun-22	02-Jul-22	_	UU_HGC-slew c
Dometala	Lougl of Effort Demoising Work A Milesters			-			05		Date Rev
-	Level of Effort Remaining Work				ontract No			/	08-Sep-23 3MRP DWP 2308
Actual Leve	C I	Road V	videning		-			Road (Sha Tin)	
Actual Wor	k Primary Baseline			3 Months	Rolling Pr	rogramme	(31/08/23)		

	Layou	t : NE/2017/					
	TAS	L SK filter: 3 M	WP 23 onths F				
			Progra	•			
2023	_	NI	•				
Oct 64		Nov 65		Dec 66			
construction N4-01 to N4-1	1 (11 nr)	00		00			
N4 backfill & remo	. ,						
_							
r) (N/B Stag1b + S/B Stage	3)						
e ELS (N/B Stag1b + S/B Sta	age 3)						
2-07 (48m_2 side) (N/B Sta	g1b + S/B St	age 3)					
E2-07 (7nr) (N/B Stag1b + S	S/B Stage 3)						
nove ELS (N/B Stag1b + S/	B Stage 3)						
ove ELS (N/B Stag1b + S/B	3 Stage 3)						
ELS (N/B Stag1b + S/B Stag	ge 3)						
ide) (N/B Stag1a + S/B Stag	ge 0)						
(5nr) (N/B Stag1a + S/B Sta	ige 0)						
S (N/B Stag1a + S/B Stage	: 0)						
age 0)							
/B Stag1a + S/B Stage 0)							
- , ,	SE5-1 EL	.S for cap/foot	ing cons	tructior			
	_	SE5-1_cap/fo	-				
			_backfill				
SE	E5-2_ELS for	footing/cap co	_				
	_	0 1					
for cap/footing construction	n S1E1-51P t	o S1E1-52 (1	9m_2 sic	de) (N/E			
	SE	E1-1_cap/footi	ng consi	truction			
		SE1-1_back	cfill & ren	nove EL			
5-1_backfill & remove ELS							
SE5-2 b	ackfill & remo	ove ELS					
_							
			SE8-1	_ELS fo			
	n						
	N2_SR4	_erect steel p	osts PK	1 to PK4			
		N5_RW7_e	rect stee	el posts			
naturation MOOd 4 - MOOD A		E0 010					
nstruction MS01 to MS08 &	IVIS47 TO MS	50 3 19m	Deretter				
			Draina	ye cons			
				Deer			
				Dra			
or RW2 CH1500-1550 50m	1						
slew cable for RW2 CH1525-1580 55m bandoned 11kv cable for SR6 CH1850-1950 100m							
slew cable for SR6 CH1800-1870 70m							
SIEW CADIE IUI OND CH 1800	-10/0/000						
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# 中國中鐵-中鐵一局-振華工程聯營 CHINA RAILWAY - CHINA RAILWAY FIRST GROUP - ZHEN HUA ENGINEERING JOINT VENTURE

ity ID	Activity Name	Original Duration	Remaining Duration	3MRP Start	3MRP Finish	AP13 Start	AP13 Finish	Aug	2 Sep
- 70.0100				01 Aut 00	01 Aur 00	01 Mar 00	01 Mar 00	62	63
Z3_3100	UU_HKBN-slew cable for N262 CH1800-1810 10m	1	1	31-Aug-23	31-Aug-23	31-Mar-22	31-Mar-22		UU_HKBN-slew cable for N262 CH1
Z3_5680	UU_Construct combine UU trough between cycle track and RW1 Stage 1	75	8	08-Jun-20 A		31-Jul-20	29-Oct-20		UU_Construct combine UU
Z3_5685	UU_Construct combine UU trough between RW1 to SR3 Stage 2 R NORTH HOLLOW ABUTMENT (N264)	60	6	08-Jun-20 A	06-Sep-23	02-Jun-21	13-Aug-21		UU_Construct combine UU tro
Z3_4250	N264_demolish existing parapet wall	24	5	13-Oct-22 A	06-Sep-23	20-Jun-22	19-Jul-22		N264_demolish existing parapo
Z3_4260	N264 install precast slab	18	11	28-Dec-22 A		19-Jul-22	09-Aug-22		N264_install pred
Z3_4200	N264_in-situ concrete slab & parapet	24	7	01-Apr-23 A	· ·	09-Aug-22	06-Sep-22		N264_install pred
	OF BRIDGE N263		1		27 000 20	00 Aug 22	00 000 22		N264_II
	N EXISTING SOUTH HOLLOW ABUTMENT WALL								
Z3_3970	SHA_abutment wall construction	21	8	05-May-23 A	09-Sep-23	28-Jul-22	20-Aug-22		SHA_abutment wall constru
DECK CONSTR	RUCTION OF BRIDGE N263								_
😑 Z3_3875	Construct bridge deck between SAW-1 and SHA PB-151	21	0	30-May-23 A	20-Aug-23 A	22-Aug-22	15-Sep-22	Construc	bridge deck between SAW-1 and SHA
<b>Z</b> 3_4000	Remove existing U beam and construct bridge deck (Stage 3A/B)	100	0	14-Apr-23 A	17-Aug-23 A	10-Nov-22	14-Mar-23	Romove exis	ting U beam and construct bridge deck
<b>= Z3_4010</b>	Remove existing U beam and construct bridge deck (Stage 4)	70	67	22-Aug-23 A	16-Dec-23	14-Mar-23	10-Jun-23		
<b>Z</b> 3_4020	Parapet and road finishing works for N263	60	60	04-Nov-23	17-Jan-24	27-Apr-23	11-Jul-23		
NEW SLIP ROA	D 2								
<b></b> Z3_5360	SR2-1_column construction	21	12	27-Dec-21 A	12-Mar-24	15-Feb-23	11-Mar-23		
LIFT TOWER 1		ĺ	1	1	Í				
<b>Z3_3640</b>	Lift Tower 1_lift installation	90	77	28-Aug-23 A	01-Dec-23	27-Sep-22	16-Jan-23		
				44 1 1 00 4	00.000	47.4 . 00	00.000		
<b>Z3_3720</b>	Lift Tower 2_remaining E&M works	30	3	11-Jul-23 A	02-Sep-23	17-Aug-22	22-Sep-22		Lift Tower 2_remaining E&M works
Z3_3730	Lift Tower 2_finishing works	30	6	0	06-Sep-23	17-Aug-22	22-Sep-22		Lift Tower 2_finishing works
Z3_3735	Lift Tower 2_T&C	12	12	07-Sep-23	20-Sep-23	22-Sep-22	08-Oct-22		Lift Tower 2_T&
Z3_3844	Staircase_diversion pedestrian and cyclist to new staircase	0	0		20-Sep-23		08-Oct-22		Staircase_diver
NEW CYCLE TR Z3_4280	Demolish of existing cycle track ramp	21	21	21-Sep-23	17-Oct-23	08-Oct-22	02-Nov-22		
Z3 4290	CT-PC1_ELS & pile cap construction	21	21	18-Oct-23	11-Nov-23	14-Mar-23	12-Apr-23		
Z3_4300	CT-PC1_abutment wal construction	30	30	13-Nov-23	16-Dec-23	12-Apr-23	12-Apr-23		
Z3 4310	CT-PC2 ELS & footing construction	21	21	18-Oct-23	11-Nov-23	12-Apr-23	12-Apr-23		
Z3_4310	CT-PC2_column construction	21	21	13-Nov-23	06-Dec-23	12-Apr-23	08-May-23		
NEW SLIP ROA		21	21	13-1100-23	00-Dec-23	12-Api-23	00-1May-23		
Z3_5540	SR5-2 ELS & pile cap construction	45	0	26-Jun-23 A	08-Aug-23 A	14-Mar-23	11-May-23	SED-Z ELS 1	construction
Z3 5550	SR5-2 column construction	30	14	09-Aug-23 A		11-May-23	16-Jun-23	SB5-Z_FI Stapilo cap	
Z3 5560	SR5 bridge deck construction between SAW-2 and SR5-2	60	60	14-Oct-23	27-Dec-23	16-Jun-23	28-Aug-23		
Z3 5570	SR5_bridge deck construction between SR5-2 and SR5-3	60	60	18-Oct-23	29-Dec-23	16-Jun-23	28-Aug-23		
RETAINING W									
🔲 Z3_4660	RW2_ELS works for Bay 201 to Bay 206 (71m_2 side)	40	40	22-Sep-23	10-Nov-23	01-Feb-23	18-Mar-23		
<b>Z3_4670</b>	RW2_base slab construction for Bay 201 to Bay 206	24	24	20-Oct-23	17-Nov-23	27-Feb-23	25-Mar-23		
<b>Z3_4680</b>	RW2_retaining wall construction for Bay 201 to Bay 206	54	54	04-Nov-23	09-Jan-24	13-Mar-23	19-May-23		
RETAINING W	ALL NO.3								
Z3_1218_3000	0 RW3_soldier pile works (13nr)	78	78	09-Sep-23	13-Dec-23	22-Aug-22	23-Nov-22		
RETAINING W									
<b>Z3_4880</b>	RW5 Combined SE4_ELS works for Bay500 to 505 (48m_2 side)	27	9	08-Jun-23 A		14-Jan-23	18-Feb-23		
<b>Z3_4890</b>	RW5 Combined SE4_base slab construction for Bay 500 to 505	60	21	07-Jul-23 A	11-Nov-23	03-Feb-23	19-Apr-23		
	ING RETAINING WALL SR6			1	1				_
<b></b> Z3_5190	SR6_remove ELS & backfill for Bay SR601 to SR609	8	3	23-Jun-23 A	25-Sep-23	26-Nov-22	05-Dec-22		SR6_remo
🛓 WORK BETW	VEEN FOOTBRIDGE NF40 AND NF66 (ZONE 4)								
💾 PRELIMINARIE	S WORKS								
SUMMARYPRO									
Z4SU1005	Zone 4 Stage 1 NB & SB foundation/stem wall	434	81	06-Mar-20 A	06-Dec-23	31-Mar-20	16-Sep-21		
Z4SU1100	Zone 4 NF66 Construction	220	0	20-Jul-20 A	14-Mar-23 A	31-Aug-20	31-May-21		
	RSION								
Remaining I	Level of Effort Remaining Work <			C	Contract No	D. NE/2017	/05		Date R
Actual Level	l of Effort Critical Remaining Work   Baseline Milesto	Road V	Videnina	and Retro	fittina Nois	se Barriers	on Tai Po F	Road (Sha Tin)	08-Sep-23 3MRP DWP 23
Actual Work	ç		9		Rolling P				
					, noning P	. Sarannine	(31,00,20)		

		C	05 TPR 3MRP 0WP 2308 onths Rolling
	140		Programme.
2023			
Oct		Nov	Dec
64		65	66
1800-1810 10m			
trough between cycle tra	ck and RW1	Stage 1	
ough between RW1 to SF		0	
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bet wall			
cast slab			
n-situ concrete slab & par	apei		
ruction			
NPB-151			
(Stage 3A/B)			
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			Lift T
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&C			
ersion pedestrian and cycl	ist to new sta	ircase	
solon podootilan and oyo		nodoo,	
Demolish o	f existing cycl	e track ramp	
		CT-PC1 E	LS & pile cap co
		_	
		CT-PC2_E	LS & footing cor
SR5-2_column	construction	1	
		RW2_ELS	works for Bay 2
			2 base slab cor
		— nw	SIAD COI
		hinad OF 4 F	
	- Rw5Com		LS works for Ba
		RW5 Com	bined SE4_base
ove ELS & backfill for Bay	SR601 to SE	2609	
Devo Leo a Daortilli IUI Day	51.001 10 31		
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Revision	Checked	Approved	4 of 6
308	EGA		- 010

# 中國中鐵一中鐵一局-振華工程聯營

/ ID	Activity Name	Original		3MRP Start	3MRP Finish	AP13 Start	AP13 Finish		Con	
		Duration	Duration					Aug 62	Sep 63	
<b>Z</b> 4_1280	UU_CATV-slew cable for N4 CH2190-2400 210m	25	25	31-Aug-23	28-Sep-23	05-Aug-22	02-Sep-22	_		UU_(
SOUTHBOUND Z4_1380	UU Salt watermain for SE6 CH2275-2345 56m 700mm	20	20	31-Aug-23	23-Sep-23	11-Apr-22	09-May-22	4		
	R AND SEMI-ENCLOSURE	20	20	31-Aug-23	23-3ep-23	II-Api-22	09-111ay-22			UU_Salt wa
PILE CAP AND F										
NORTHBOUND										
<b></b> Z4_1000	N4_ELS for pile cap construction N4-12P to N4-27P (231m_2 side)	64	9	20-May-23 A	11-Oct-23	03-Sep-22	19-Nov-22	·	4	
<b>Z4_1010</b>	N4_pile cap/stem wall construction N4-12P to N4-27P (15nr)	90	12	29-Jun-23 A	14-Oct-23	14-Oct-22	02-Feb-23		4	
<b>=</b> Z4_1020	N4_backfill & remove ELS	39	39	21-Oct-23	06-Dec-23	07-Jan-23	24-Feb-23			
CENTRAL BAR										
<b>Z4_1070</b>	SE6_ELS for footing/cap construction S6E1-01A to S6E1-10 (165m_2 side)	42	0		03-Aug-23 A		19-Apr-23		onstruction S6E1-01A to S6E	1-10 (165 m
<b>E</b> Z4_1081	SE6_Re-align TTA for central median footing S6E1-11 to S6E1-16	24	24	11-Sep-23	11-Oct-23	06-Sep-22	06-Oct-22			
<b>Z4_1082</b>	SE6_ELS for footing/cap construction S6E1-11 to S6E1-16 (67m_2 side)	34	17	01-Aug-23 A		07-Oct-22	15-Nov-22	-	<u>-</u>	
<b>Z4_1084</b>	SE6_cap/footing/stem wall construction S6E1-11 to S6E1-16 (6nr)	108	81	05-Aug-23 A	18-Jan-24	27-Oct-22	08-Mar-23		4	
STRUCTURE ST										
SOUTHBOUND Z4_1180	SE6_erect steel posts PV1 to PV59 (59nr)	15	2	31-Aug-22 A	02 Son 23	09-Jun-22	27-Jun-22	l		
	AND REMAINING WORKS	15	2	31-Aug-22 A	02-3ep-23	09-001-22	27-5011-22		SE6_erect steel posts I	PVI to PV
	AND REMAINING WORKS									
NORTHBOUND										
<b>Z4_1220</b>	Drainage construction MN145 to MN148 180m	30	30	02-Nov-23	06-Dec-23	18-Jan-23	24-Feb-23	1		
💼 Z4_1250	Drainage construction MS83 to MS87 279m	47	9	15-Jun-22 A	11-Sep-23	05-May-22	30-Jun-22		Drainage con	nstruction
WORK BETW	EEN FOOTBRIDGE NF66 AND FO TAN ROAD (ZONE 5)									
PRELIMINARIE	· · ·									
SUMMARY PRO										
Z5SU1005	Zone 5 Stage 1 NB & SB foundation/stem wall	467	74	10-Feb-20 A	28-Nov-23	31-Mar-20	28-Oct-21			
UTILITIES DIVER	ISION									
									_	
<b>=</b> Z5_1860	UU_Salt watermain for SE3 CH2360-2530 179m 700mm	60	60	23-Sep-23	06-Dec-23	09-May-22	20-Jul-22			
	R AND SEMI-ENCLOSURE									
<b>NORTHBOUND</b> Z5 1020	N4 ELS for footing/cap construction N4-29P to N4-51 (322m 2 side)	161	24	01-Feb-21 A	28 Son 23	11-May-21	20-Nov-21	I		
Z5_1020	N4_cap/footing/stem wall construction N4-29 to N4-51 (32211_2 side)	216	47	27-Mar-21 A	· ·	25-May-21	12-Feb-22			N4
Z5_1050	N4_cap/loting/stem wai constitucion N4-29 to N4-31 (2311)	54	12			23-May-21 28-Oct-22				
	N4_Dacking a femove LLS						102 100 22			
	RIFR		12	14-Apr-21 A	28-INOV-23	20 001 22	03-Jan-23	1		
CENTRAL BAR Z5_1100	SE3-1_ELS for footing/cap construction S3E1-01 to S3E1-22p (305m_2 side)	84	65	14-Apr-21 A		24-Aug-22	03-Jan-23 02-Dec-22		-	
Z5_1100	SE3-1_ELS for footing/cap construction S3E1-01 to S3E1-22p (305m_2 side)				22-Dec-23				SE3-1 ELS for footing/	<sup>/</sup> cap cons
Z5_1100	SE3-1_ELS for footing/cap construction S3E1-01 to S3E1-22p (305m_2 side) SE3-1_ELS for footing/cap construction S3E1-51P to S3E1-74P (313m_2 side)	84	65	18-May-23 A 03-Jan-22 A	22-Dec-23 02-Sep-23	24-Aug-22	02-Dec-22		SE3-1_ELS for footing/	•
<ul> <li>Z5_1100</li> <li>SOUTHBOUND</li> <li>Z5_1190</li> </ul>	SE3-1_ELS for footing/cap construction S3E1-01 to S3E1-22p (305m_2 side)	84 58	65	18-May-23 A	22-Dec-23 02-Sep-23 11-Sep-23	24-Aug-22 29-Apr-22	02-Dec-22 09-Jul-22		SE3-1_ELS for footing/	•
<ul> <li>Z5_1100</li> <li>SOUTHBOUND</li> <li>Z5_1190</li> <li>Z5_1200</li> </ul>	SE3-1_ELS for footing/cap construction S3E1-01 to S3E1-22p (305m_2 side)         SE3-1_ELS for footing/cap construction S3E1-51P to S3E1-74P (313m_2 side)         SE3-1_footing/stem wall construction S3E1-51P to S3E1-74P & N3-01 (21nr)	84 58 198	65 3 10	18-May-23 A 03-Jan-22 A 21-Jan-22 A	22-Dec-23 02-Sep-23 11-Sep-23	24-Aug-22 29-Apr-22 26-Mar-22	02-Dec-22 09-Jul-22 24-Nov-22		SE3-1_footing	ig/stem w
<ul> <li>Z5_1100</li> <li>SOUTHBOUND</li> <li>Z5_1190</li> <li>Z5_1200</li> <li>Z5_1220</li> <li>Z5_1222</li> </ul>	SE3-1_ELS for footing/cap construction S3E1-01 to S3E1-22p (305m_2 side)         SE3-1_ELS for footing/cap construction S3E1-51P to S3E1-74P (313m_2 side)         SE3-1_footing/stem wall construction S3E1-51P to S3E1-74P & N3-01 (21nr)         SE3-1_backfill & remove ELS	84 58 198 52	65 3 10 47	18-May-23 A 03-Jan-22 A 21-Jan-22 A 15-Sep-22 A	22-Dec-23 02-Sep-23 11-Sep-23 27-Oct-23	24-Aug-22 29-Apr-22 26-Mar-22 23-Sep-22	02-Dec-22 09-Jul-22 24-Nov-22 25-Nov-22		SE3-1_footing	ig/stem w
<ul> <li>Z5_1100</li> <li>SOUTHBOUND</li> <li>Z5_1190</li> <li>Z5_1200</li> <li>Z5_1220</li> <li>Z5_1222</li> <li>Z5_1224</li> </ul>	SE3-1_ELS for footing/cap construction S3E1-01 to S3E1-22p (305m_2 side)         SE3-1_ELS for footing/cap construction S3E1-51P to S3E1-74P (313m_2 side)         SE3-1_footing/stem wall construction S3E1-51P to S3E1-74P & N3-01 (21nr)         SE3-1_backfill & remove ELS         SE3-2_ELS for footing construction S3E2-51 to S3E2-53 (32m_2 side)	84 58 198 52 16	65 3 10 47 16	18-May-23 A 03-Jan-22 A 21-Jan-22 A 15-Sep-22 A 31-Aug-23	22-Dec-23 02-Sep-23 11-Sep-23 27-Oct-23 18-Sep-23	24-Aug-22 29-Apr-22 26-Mar-22 23-Sep-22 10-Jun-22	02-Dec-22 09-Jul-22 24-Nov-22 25-Nov-22 29-Jun-22		SE3-1_footing	ig/stem w
<ul> <li>Z5_1100</li> <li>SOUTHBOUND</li> <li>Z5_1190</li> <li>Z5_1200</li> <li>Z5_1220</li> <li>Z5_1222</li> <li>Z5_1222</li> <li>Z5_1224</li> </ul>	SE3-1_ELS for footing/cap construction S3E1-01 to S3E1-22p (305m_2 side)         SE3-1_ELS for footing/cap construction S3E1-51P to S3E1-74P (313m_2 side)         SE3-1_footing/stem wall construction S3E1-51P to S3E1-74P & N3-01 (21nr)         SE3-1_backfill & remove ELS         SE3-2_ELS for footing/cap/stem wall construction S3E2-51 to S3E2-53 (32m_2 side)         SE3-2_footing/cap/stem wall construction S3E2-51 to 53 (2nr)         SE3-2_backfill & remove ELS	84 58 198 52 16 36	65 3 10 47 16 36	18-May-23 A 03-Jan-22 A 21-Jan-22 A 15-Sep-22 A 31-Aug-23 19-Sep-23	22-Dec-23 02-Sep-23 11-Sep-23 27-Oct-23 18-Sep-23 02-Nov-23	24-Aug-22 29-Apr-22 26-Mar-22 23-Sep-22 10-Jun-22 29-Jun-22	02-Dec-22 09-Jul-22 24-Nov-22 25-Nov-22 29-Jun-22 11-Aug-22		SE3-1_footing	ig/stem w
<ul> <li>Z5_1100</li> <li>SOUTHBOUND</li> <li>Z5_1190</li> <li>Z5_1200</li> <li>Z5_1220</li> <li>Z5_1222</li> <li>Z5_1224</li> <li>Z5_1226</li> <li>STRUCTURE ST</li> </ul>	SE3-1_ELS for footing/cap construction S3E1-01 to S3E1-22p (305m_2 side)         SE3-1_ELS for footing/cap construction S3E1-51P to S3E1-74P (313m_2 side)         SE3-1_footing/stem wall construction S3E1-51P to S3E1-74P & N3-01 (21nr)         SE3-1_backfill & remove ELS         SE3-2_ELS for footing/cap/stem wall construction S3E2-51 to S3E2-53 (32m_2 side)         SE3-2_footing/cap/stem wall construction S3E2-51 to 53 (2nr)         SE3-2_backfill & remove ELS         SE3-2_footing/cap/stem wall construction S3E2-51 to 53 (2nr)         SE3-2_backfill & remove ELS	84 58 198 52 16 36	65 3 10 47 16 36	18-May-23 A 03-Jan-22 A 21-Jan-22 A 15-Sep-22 A 31-Aug-23 19-Sep-23	22-Dec-23 02-Sep-23 11-Sep-23 27-Oct-23 18-Sep-23 02-Nov-23	24-Aug-22 29-Apr-22 26-Mar-22 23-Sep-22 10-Jun-22 29-Jun-22	02-Dec-22 09-Jul-22 24-Nov-22 25-Nov-22 29-Jun-22 11-Aug-22		SE3-1_footing	ig/stem wa
<ul> <li>Z5_1100</li> <li>SOUTHBOUND</li> <li>Z5_1190</li> <li>Z5_1200</li> <li>Z5_1220</li> <li>Z5_1222</li> <li>Z5_1224</li> <li>Z5_1226</li> <li>STRUCTURE ST NORTHBOUND</li> <li>Z5_1060</li> </ul>	SE3-1_ELS for footing/cap construction S3E1-01 to S3E1-22p (305m_2 side)         SE3-1_ELS for footing/cap construction S3E1-51P to S3E1-74P (313m_2 side)         SE3-1_footing/stem wall construction S3E1-51P to S3E1-74P & N3-01 (21nr)         SE3-1_backfill & remove ELS         SE3-2_ELS for footing/cap/stem wall construction S3E2-51 to S3E2-53 (32m_2 side)         SE3-2_footing/cap/stem wall construction S3E2-51 to 53 (2nr)         SE3-2_backfill & remove ELS         EEL FRAME         N4_erect steel posts PK199 to PK268 (81nr)	84 58 198 52 16 36	65 3 10 47 16 36	18-May-23 A 03-Jan-22 A 21-Jan-22 A 15-Sep-22 A 31-Aug-23 19-Sep-23	22-Dec-23 02-Sep-23 11-Sep-23 27-Oct-23 18-Sep-23 02-Nov-23	24-Aug-22 29-Apr-22 26-Mar-22 23-Sep-22 10-Jun-22 29-Jun-22	02-Dec-22 09-Jul-22 24-Nov-22 25-Nov-22 29-Jun-22 11-Aug-22		SE3-1_footing	ig/stem wa
<ul> <li>Z5_1100</li> <li>SOUTHBOUND</li> <li>Z5_1190</li> <li>Z5_1200</li> <li>Z5_1220</li> <li>Z5_1222</li> <li>Z5_1224</li> <li>Z5_1226</li> <li>STRUCTURE ST NORTHBOUND</li> <li>Z5_1060</li> <li>SOUTHBOUND</li> </ul>	SE3-1_ELS for footing/cap construction S3E1-01 to S3E1-22p (305m_2 side)         SE3-1_ELS for footing/cap construction S3E1-51P to S3E1-74P (313m_2 side)         SE3-1_footing/stem wall construction S3E1-51P to S3E1-74P & N3-01 (21nr)         SE3-1_backfill & remove ELS         SE3-2_ELS for footing/cap/stem wall construction S3E2-51 to S3E2-53 (32m_2 side)         SE3-2_footing/cap/stem wall construction S3E2-51 to 53 (2nr)         SE3-2_backfill & remove ELS         EEL FRAME         N4_erect steel posts PK199 to PK268 (81nr)	84 58 198 52 16 36 22	65 3 10 47 16 36 22	18-May-23 A 03-Jan-22 A 21-Jan-22 A 15-Sep-22 A 31-Aug-23 19-Sep-23 03-Nov-23	22-Dec-23 02-Sep-23 11-Sep-23 27-Oct-23 18-Sep-23 02-Nov-23 28-Nov-23 28-Nov-23	24-Aug-22 29-Apr-22 26-Mar-22 23-Sep-22 10-Jun-22 29-Jun-22 11-Aug-22	02-Dec-22 09-Jul-22 24-Nov-22 25-Nov-22 29-Jun-22 11-Aug-22 06-Sep-22		SE3-1_footing	ig/stem wa
<ul> <li>Z5_1100</li> <li>SOUTHBOUND</li> <li>Z5_1190</li> <li>Z5_1200</li> <li>Z5_1220</li> <li>Z5_1222</li> <li>Z5_1224</li> <li>Z5_1226</li> <li>STRUCTURE ST NORTHBOUND</li> <li>Z5_1060</li> <li>SOUTHBOUND</li> <li>Z5_1430</li> </ul>	SE3-1_ELS for footing/cap construction S3E1-01 to S3E1-22p (305m_2 side)         SE3-1_ELS for footing/cap construction S3E1-51P to S3E1-74P (313m_2 side)         SE3-1_footing/stem wall construction S3E1-51P to S3E1-74P & N3-01 (21nr)         SE3-1_backfill & remove ELS         SE3-2_ELS for footing/cap/stem wall construction S3E2-51 to S3E2-53 (32m_2 side)         SE3-2_footing/cap/stem wall construction S3E2-51 to 53 (2nr)         SE3-2_backfill & remove ELS         EEL FRAME         N4_erect steel posts PK199 to PK268 (81nr)         SE3-2_erect steel posts PY79 to PY112 (34nr)	84 58 198 52 16 36 22	65 3 10 47 16 36 22	18-May-23 A 03-Jan-22 A 21-Jan-22 A 15-Sep-22 A 31-Aug-23 19-Sep-23 03-Nov-23	22-Dec-23 02-Sep-23 11-Sep-23 27-Oct-23 18-Sep-23 02-Nov-23 28-Nov-23	24-Aug-22 29-Apr-22 26-Mar-22 23-Sep-22 10-Jun-22 29-Jun-22 11-Aug-22	02-Dec-22 09-Jul-22 24-Nov-22 25-Nov-22 29-Jun-22 11-Aug-22 06-Sep-22		SE3-1_footing	ig/stem wa
<ul> <li>Z5_1100</li> <li>Z5_1190</li> <li>Z5_1200</li> <li>Z5_1220</li> <li>Z5_1222</li> <li>Z5_1224</li> <li>Z5_1224</li> <li>Z5_1226</li> <li>STRUCTURE ST NORTHBOUND</li> <li>Z5_1060</li> <li>SOUTHBOUND</li> <li>Z5_1430</li> <li>SOUTHBOUND</li> </ul>	SE3-1_ELS for footing/cap construction S3E1-01 to S3E1-22p (305m_2 side)         SE3-1_ELS for footing/cap construction S3E1-51P to S3E1-74P (313m_2 side)         SE3-1_footing/stem wall construction S3E1-51P to S3E1-74P & N3-01 (21nr)         SE3-1_backfill & remove ELS         SE3-2_ELS for footing/cap/stem wall construction S3E2-51 to S3E2-53 (32m_2 side)         SE3-2_footing/cap/stem wall construction S3E2-51 to 53 (2nr)         SE3-2_backfill & remove ELS         EEL FRAME         N4_erect steel posts PK199 to PK268 (81nr)         SE3-2_erect steel posts PY79 to PY112 (34nr)         SLIP ROAD	84 58 198 52 16 36 22 21 21 9	65 3 10 47 16 36 22 21	18-May-23 A         03-Jan-22 A         21-Jan-22 A         15-Sep-22 A         31-Aug-23         19-Sep-23         03-Nov-23         28-Nov-23         06-Oct-23	22-Dec-23 02-Sep-23 11-Sep-23 27-Oct-23 18-Sep-23 02-Nov-23 28-Nov-23 28-Nov-23 29-Dec-23	24-Aug-22 29-Apr-22 26-Mar-22 23-Sep-22 10-Jun-22 29-Jun-22 11-Aug-22 03-Jan-23	02-Dec-22 09-Jul-22 24-Nov-22 25-Nov-22 29-Jun-22 11-Aug-22 06-Sep-22 06-Feb-23 06-Feb-23		SE3-1_footing	2_ELS for
<ul> <li>Z5_1100</li> <li>SOUTHBOUND</li> <li>Z5_1190</li> <li>Z5_1200</li> <li>Z5_1220</li> <li>Z5_1222</li> <li>Z5_1224</li> <li>Z5_1224</li> <li>Z5_1226</li> <li>STRUCTURE ST NORTHBOUND</li> <li>Z5_1060</li> <li>SOUTHBOUND</li> <li>Z5_1430</li> <li>SOUTHBOUND</li> <li>Z5_1450</li> </ul>	SE3-1_ELS for footing/cap construction S3E1-01 to S3E1-22p (305m_2 side)         SE3-1_ELS for footing/cap construction S3E1-51P to S3E1-74P (313m_2 side)         SE3-1_footing/stem wall construction S3E1-51P to S3E1-74P & N3-01 (21nr)         SE3-1_backfill & remove ELS         SE3-2_ELS for footing construction S3E2-51 to S3E2-53 (32m_2 side)         SE3-2_footing/cap/stem wall construction S3E2-51 to 53 (2nr)         SE3-2_backfill & remove ELS         EEL FRAME         N4_erect steel posts PK199 to PK268 (81nr)         SE3-2_erect steel posts PY79 to PY112 (34nr)         SEIP ROAD         N3_erect steel posts PW1 to PW7 (7nr)	84 58 198 52 16 36 22 21	65 3 10 47 16 36 22 21	18-May-23 A         03-Jan-22 A         21-Jan-22 A         15-Sep-22 A         31-Aug-23         19-Sep-23         03-Nov-23	22-Dec-23 02-Sep-23 11-Sep-23 27-Oct-23 18-Sep-23 02-Nov-23 28-Nov-23 28-Nov-23 29-Dec-23	24-Aug-22 29-Apr-22 26-Mar-22 23-Sep-22 10-Jun-22 29-Jun-22 11-Aug-22	02-Dec-22 09-Jul-22 24-Nov-22 25-Nov-22 29-Jun-22 11-Aug-22 06-Sep-22		SE3-1_footing	g/stem wa 2_ELS for
<ul> <li>Z5_1100</li> <li>SOUTHBOUND</li> <li>Z5_1190</li> <li>Z5_1200</li> <li>Z5_1220</li> <li>Z5_1222</li> <li>Z5_1224</li> <li>Z5_1226</li> <li>STRUCTURE ST NORTHBOUND</li> <li>Z5_1060</li> <li>SOUTHBOUND</li> <li>Z5_1430</li> <li>SOUTHBOUND</li> </ul>	SE3-1_ELS for footing/cap construction S3E1-01 to S3E1-22p (305m_2 side)         SE3-1_ELS for footing/cap construction S3E1-51P to S3E1-74P (313m_2 side)         SE3-1_footing/stem wall construction S3E1-51P to S3E1-74P & N3-01 (21nr)         SE3-1_backfill & remove ELS         SE3-2_ELS for footing construction S3E2-51 to S3E2-53 (32m_2 side)         SE3-2_footing/cap/stem wall construction S3E2-51 to 53 (2nr)         SE3-2_backfill & remove ELS         EEL FRAME         N4_erect steel posts PK199 to PK268 (81nr)         SE3-2_erect steel posts PY79 to PY112 (34nr)         SEIP ROAD         N3_erect steel posts PW1 to PW7 (7nr)	84 58 198 52 16 36 22 21 21 9	65 3 10 47 16 36 22 21	18-May-23 A         03-Jan-22 A         21-Jan-22 A         15-Sep-22 A         31-Aug-23         19-Sep-23         03-Nov-23         28-Nov-23         06-Oct-23	22-Dec-23 02-Sep-23 11-Sep-23 27-Oct-23 18-Sep-23 02-Nov-23 28-Nov-23 28-Nov-23 29-Dec-23	24-Aug-22 29-Apr-22 26-Mar-22 23-Sep-22 10-Jun-22 29-Jun-22 11-Aug-22 03-Jan-23	02-Dec-22 09-Jul-22 24-Nov-22 25-Nov-22 29-Jun-22 11-Aug-22 06-Sep-22 06-Feb-23 06-Feb-23		SE3-1_footing	2_ELS for
Z5_1100         SOUTHBOUND         Z5_1190         Z5_1200         Z5_1220         Z5_1222         Z5_1224         Z5_1226         STRUCTURE ST         NORTHBOUND         Z5_1060         SOUTHBOUND         Z5_1430         SOUTHBOUND         Z5_1450         NOISE BARRIEI	SE3-1_ELS for footing/cap construction S3E1-01 to S3E1-22p (305m_2 side)         SE3-1_ELS for footing/cap construction S3E1-51P to S3E1-74P (313m_2 side)         SE3-1_footing/stem wall construction S3E1-51P to S3E1-74P & N3-01 (21nr)         SE3-1_backfill & remove ELS         SE3-2_ELS for footing construction S3E2-51 to S3E2-53 (32m_2 side)         SE3-2_footing/cap/stem wall construction S3E2-51 to 53 (2nr)         SE3-2_backfill & remove ELS         EEL FRAME         N4_erect steel posts PK199 to PK268 (81nr)         SE3-2_erect steel posts PY79 to PY112 (34nr)         SLIP ROAD         N3_erect steel posts PW1 to PW7 (7nr)	84 58 198 52 16 36 22 21 21 9	65 3 10 47 16 36 22 21	18-May-23 A         03-Jan-22 A         21-Jan-22 A         15-Sep-22 A         31-Aug-23         19-Sep-23         03-Nov-23         28-Nov-23         06-Oct-23         07-Jul-22 A	22-Dec-23 02-Sep-23 11-Sep-23 27-Oct-23 18-Sep-23 02-Nov-23 28-Nov-23 28-Nov-23 29-Dec-23 19-Oct-23	24-Aug-22 29-Apr-22 26-Mar-22 23-Sep-22 10-Jun-22 29-Jun-22 11-Aug-22 03-Jan-23 07-Jun-22	02-Dec-22 09-Jul-22 24-Nov-22 25-Nov-22 29-Jun-22 11-Aug-22 06-Sep-22 06-Feb-23 17-Jun-22 14-Jun-22		SE3-1_footing	2_ELS for
<ul> <li>Z5_1100</li> <li>SOUTHBOUND</li> <li>Z5_1200</li> <li>Z5_1220</li> <li>Z5_1222</li> <li>Z5_1224</li> <li>Z5_1224</li> <li>Z5_1226</li> <li>STRUCTURE ST</li> <li>NORTHBOUND</li> <li>Z5_1060</li> <li>SOUTHBOUND</li> <li>Z5_1430</li> <li>SOUTHBOUND</li> <li>Z5_1450</li> <li>NOISE BARRIES</li> </ul>	SE3-1_ELS for footing/cap construction S3E1-01 to S3E1-22p (305m_2 side)         SE3-1_ELS for footing/cap construction S3E1-51P to S3E1-74P (313m_2 side)         SE3-1_footing/stem wall construction S3E1-51P to S3E1-74P & N3-01 (21nr)         SE3-1_backfill & remove ELS         SE3-2_ELS for footing/cap/stem wall construction S3E2-51 to S3E2-53 (32m_2 side)         SE3-2_footing/cap/stem wall construction S3E2-51 to 53 (2nr)         SE3-2_backfill & remove ELS         EEL FRAME         N4_erect steel posts PK199 to PK268 (81nr)         SE3-2_erect steel posts PY79 to PY112 (34nr)         SLIP ROAD         N3_erect steel posts PW1 to PW7 (7nr)         PANEL	84 58 198 52 16 36 22 21 21 9 2	65 3 10 47 16 36 22 21 21 9 9	18-May-23 A         03-Jan-22 A         21-Jan-22 A         15-Sep-22 A         31-Aug-23         19-Sep-23         03-Nov-23         28-Nov-23         06-Oct-23         07-Jul-22 A	22-Dec-23 02-Sep-23 11-Sep-23 27-Oct-23 18-Sep-23 02-Nov-23 28-Nov-23 29-Dec-23 19-Oct-23 01-Sep-23 01-Sep-23	24-Aug-22 29-Apr-22 26-Mar-22 23-Sep-22 10-Jun-22 29-Jun-22 11-Aug-22 03-Jan-23 07-Jun-22 10-Jun-22	02-Dec-22 09-Jul-22 24-Nov-22 25-Nov-22 29-Jun-22 11-Aug-22 06-Sep-22 06-Feb-23 17-Jun-22 14-Jun-22		SE3-1_footing SE3-2 SE3-	g/stem wa 2_ELS for W1 to PW
Z5_1100         SOUTHBOUND         Z5_1190         Z5_1200         Z5_1220         Z5_1222         Z5_1224         Z5_1226         STRUCTURE ST         NORTHBOUND         Z5_1060         SOUTHBOUND         Z5_1430         SOUTHBOUND         Z5_1450         NOISE BARRIEI	SE3-1_ELS for footing/cap construction S3E1-01 to S3E1-22p (305m_2 side)         SE3-1_ELS for footing/cap construction S3E1-51P to S3E1-74P (313m_2 side)         SE3-1_footing/stem wall construction S3E1-51P to S3E1-74P & N3-01 (21nr)         SE3-1_backfill & remove ELS         SE3-2_ELS for footing construction S3E2-51 to S3E2-53 (32m_2 side)         SE3-2_footing/cap/stem wall construction S3E2-51 to 53 (2nr)         SE3-2_backfill & remove ELS         EEL FRAME         N4_erect steel posts PK199 to PK268 (81nr)         SE3-2_erect steel posts PY79 to PY112 (34nr)         SE3-2_erect steel posts PW1 to PW7 (7nr)         RPANEL         evel of Effort       Remaining Work	84 58 198 52 16 36 22 21 21 9 2	65 3 10 47 16 36 22 21 21 9 9	18-May-23 A         03-Jan-22 A         21-Jan-22 A         15-Sep-22 A         31-Aug-23         03-Nov-23         28-Nov-23         06-Oct-23         07-Jul-22 A	22-Dec-23 02-Sep-23 11-Sep-23 27-Oct-23 18-Sep-23 02-Nov-23 28-Nov-23 28-Nov-23 29-Dec-23 19-Oct-23 01-Sep-23 contract Notes	24-Aug-22 29-Apr-22 26-Mar-22 23-Sep-22 10-Jun-22 29-Jun-22 11-Aug-22 03-Jan-23 07-Jun-22 10-Jun-22	02-Dec-22 09-Jul-22 24-Nov-22 25-Nov-22 29-Jun-22 11-Aug-22 06-Sep-22 06-Feb-23 17-Jun-22 14-Jun-22 14-Jun-22 05 s on Tai Po I	Road (Sha Tin)	SE3-1_footing SE3-2	g/stem wa 2_ELS for W1 to PW

	Layou	t : NE/2017/	05 TPR 0WP 23	
	TAS	SK filter: 3 M		Rolling
2023			-	
Oct		Nov		Dec
64		65		66
0-		00		00
CATV-slew cable for N4 C				
vatermain for SE6 CH2275			N4-27P	(231m
N4_pile cap/s	-			
5m_2 side) SE6_Re-align TT.		median footing	-	
/59 (59nr)				
(Jan)				
MS83 to MS87 279m				
				Zone 5 :
ELS for footing/cap constru		P to N4-51 (32 ng/stem wall c		
				N4_bac
truction S3E1-51P to S3E1 all construction S3E1-51P t	o S3E1-74P			
footing construction S3E2	-51 to S3E2-		le) stem wal	
			;	SE3-2_t
SE3-2 a	ract steel no	sts PY79 to P	V112 (3/	nr)
7 (7nr)	. 551 51061 p01		2 (04	,
Revision	Checked	Approved	~	6.6
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_000				

# 中國中鐵一中鐵一局-振華工程聯營

ctivity ID	Activity Name	Original		3MRP Start	3MRP Finish	AP13 Start	AP13 Finish			20
		Duration	Duration					Aug 62	Sep	
	DUND SLIP ROAD							62	63	
Z5 1470	N3 install noise barrier wall panel PW1 to PW7 (96 sq.m)	1	1	07-Oct-22 A	04-Sep-23	29-Jun-22	30-Jun-22		N3 install noise barrier	r wall nanel
Z5 1480	R4 install noise barrier wall panel PW8 to PW48 (651 sq.m)	4	1	07-Oct-22 A	· ·	17-Aug-22	23-Aug-22		R4_install noise barrie	•
	KS AND REMAINING WORKS									, wai pario
NORTHBO	DUND									
💼 Z5_1490	Drainage construction MN170 to MN172 129m	40	40	03-Oct-23	20-Nov-23	05-Nov-22	22-Dec-22			
SOUTHBO	DUND									
📺 Z5_1550	Drainage construction MS109 to MS112 & MS123 to MS124 246m	77	15	01-Sep-22 A	18-Oct-23	16-Aug-22	17-Nov-22			
📺 Z5_1560	Drainage construction MS126 to MS128 144m	45	23	04-Jul-22 A	26-Sep-23	31-Mar-22	27-May-22			Drainage c
SOUTHBO	DUND SLIP ROAD						_			
🔲 Z5_1600	Zone 5_road surfacing with flexible pavement Type 2 1257m2	9	9	05-Sep-23	18-Sep-23	23-Aug-22	05-Sep-22		Zone 5_	_road surfac
	NICAL WORKS									
	DUND SLIP ROAD	50	40	00.14 00.4		07.0 00				
<b>E</b> Z5_1820		53	49	20-Mar-23 A	07-Nov-23	27-Sep-22	30-Nov-22			
	DUND SLIP ROAD		0	10.14.01.4		07.400	44.14. 00			
Z5_1740	Zone 5_fill replacement by no-fines concrete 7SE-A/F166 (open excavation)	29	3	12-Mar-21 A	· ·	07-Apr-22	14-May-22		Zone 5_fill replacement b	•
Z5_1810	Zone 5_fill replacement 7SE-A/F165 (compacted fill)	20	4	02-Mar-23 A	07-Sep-23	06-Aug-22	30-Aug-22		Zone 5_fill replacem	nent 7SE-A/

Remaining Level of Effort Remaining Work Actual Level of Effort

Actual Work

Critical Remaining Work Primary Baseline

 $\diamond$ Milestone Baseline Milesto...

Contract No. NE/2017/05 Road Widening and Retrofitting Noise Barriers on Tai Po Road (Sha Tin) 3 Months Rolling Programme (31/08/23)

Date	Re
08-Sep-23	3MRP DWP 230

	Layou		05 TPR 3MRP
	тло		WP 2308 Ionths Rolling
	IA	SK IIIter: 3 M	Programme.
2023			· rogrammo.
Oct		Nov	Dec
64		65	66
el PW1 to PW7 (96 sq.m)			
nel PW8 to PW48 (651 sc	<b>1</b> .m)		
		[	Drainage constru
			5112 & MS123 to
e construction MS126 to M	MS128 144m	1	
facing with flexible pavem	ent Type 2 1	257m2	
		ana E fill rank	a a mant 705 A
	2	.one 5_IIII repla	acement 7SE-A
s concrete 7SE-A/F166 (d	open excava	tion)	
A/F165 (compacted fill)	opon onouru		
·····			
Devision	Charlest	Annes	
Revision	Checked	Approved	6 of 6
308	EGA		

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

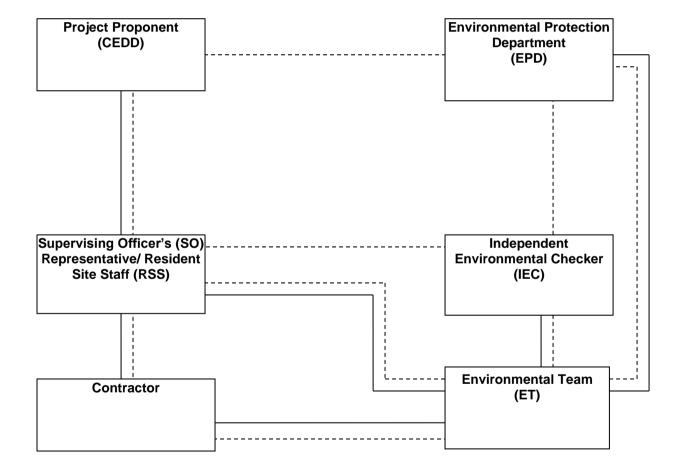


Appendix B

**Project Organization Chart** 

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





L	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/m³)	Limit Level (µg/ m³)	
	AMS4	200		
24-hr TSP	AMS7A	171	260	
(µg/m³)	AMS12	168	200	
	AMS17	171		
	AMS4	348		
1-hr TSP	AMS7A	344	500	
(µg/m³)	AMS12	296	500	
	AMS17	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 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** 



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

Page 1 of 1

Report no.: 940891CA230848(4)

# 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-5R
Serial No.	: 620480
Next Calibration Date	: 8-Feb-2024

#### Laboratory Information

Details of Reference Equipment -

Description	: Reference balance		
Equipment ID.	: C-065-5		
Date of Calibration	: 9-Feb-2023	Ambient Temperature : 24 °C	
Calibration Location	: Calibration Lab. of FTS		
Method Used	: By direct comparison the we	eight of dust particle trapped in a filter paper using high	
	volume sampler (TSP method) for a certain period, with the reading of the UUT. They		
	should be placed at the san	ne 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)
0.0545	1734	28.90
0.0587	1751	29.18
0.0775	1895	31.58

#### 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 = 0.002127

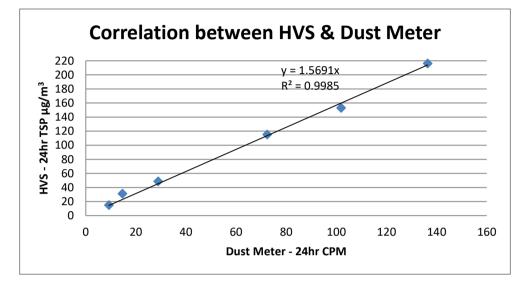
3. Correlation coefficient (r) : 0.9972

Checked by : Date : 26-4-2023	Certified by : KI Keing Date : M-4-2023
CA-R-297 (22/07/2009)	Leung Kwok Tai (Assistant Manager)

\*\* End of Report \*\*

Correlation between HVS & Dust MeterModel:Sibata LD-5RSerial No:620480

HVS - 24hr TSP μg/m <sup>3</sup>	15.07	31.23	48.77	115.43	153.26	216.36
Dust Meter - 24hr CPM	9.2	14.6	28.9	72.4	101.9	136.4



K factor = 1.569



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

Report no. : 940891CA230848(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	į	SIBATA
Model No.	8	LD-5R
Serial No.	:	620408
Next Calibration Date	:	8-Feb-2024

#### Laboratory Information

Details of Reference Equipment -

Description	:	Reference balance	
Equipment ID.	:	C-065-5	
Date of Calibration		9-Feb-2023	Ambient Temperature : 24 °C
Calibration Location	:	Calibration Lab. of FTS	
Method Used	:	By direct comparison the we	ight of dust particle trapped in a filter paper using high
		volume sampler (TSP metho	d) for a certain period, with the reading of the UUT. They
		should be placed at the same	e 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)
0.0545	1594	26.57
0.0587	1610	26.83
0.0775	1777	29.62

#### 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 = 0.002297

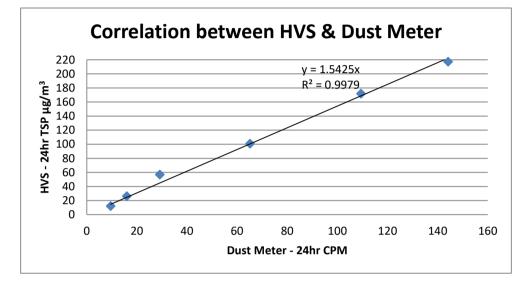
3. Correlation coefficient (r) : 0.9957

Checked by : Date : 264-2073	Certified by: KT Leung Date: 26-4-2013
CA-R-297 (22/07/2009)	Leung Kwok Tai (Assistant Manager)

\*\* End of Report \*\*

Correlation between HVS & Dust MeterModel:Sibata LD-5RSerial No:620408

HVS - 24hr TSP μg/m <sup>3</sup>	12.27	26.26	57.06	100.78	172.06	217.36
Dust Meter - 24hr CPM	9.54	15.98	29.12	65.12	109.43	144.21



K factor = 1.542



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

Report no.: 940891CA230848(2)

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-5R
Serial No.	: 620407
Next Calibration Date	: 8-Feb-2024

#### Laboratory Information

Details of Reference Equipment -

Description	: Reference balance	
Equipment ID.	: C-065-5	
Date of Calibration	: 9-Feb-2023	Ambient Temperature : 24 °C
Calibration Location	: Calibration Lab. of FTS	
Method Used	: By direct comparison the w	eight of dust particle trapped in a filter paper using high
	volume sampler (TSP meth	nod) for a certain period, with the reading of the UUT. They
	should be placed at the sar	ne 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)
0.0545	1780	29.67
0.0587	1795	29.92
0.0775	1933	32.22

#### 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 = 0.002077

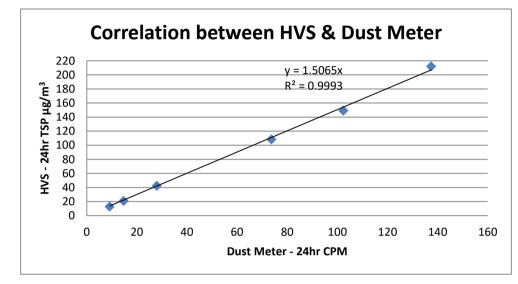
3. Correlation coefficient (r) : 0.9966

Checked by :	Date: 26-4-2023 Certified by: KI Joung Date: 26-4-2023
CA-R-297 (22/07/2009)	Leung Kwok Tai (Assistant Manager)

\*\* End of Report \*\*

Correlation between HVS & Dust MeterModel:Sibata LD-5RSerial No:620407

HVS - 24hr TSP μg/m <sup>3</sup>	12.83	20.89	42.60	108.40	149.33	212.16
Dust Meter - 24hr CPM	9.1	14.7	27.9	73.7	102.4	137.4



K factor = 1.507



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

Report no.: 940891CA230848(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.	: 597318
Next Calibration Date	: 8-Feb-2024

#### Laboratory Information

Details of Reference Equipment -

Description	: Reference balance	
Equipment ID.	: C-065-5	
Date of Calibration	: 9-Feb-2023	Ambient Temperature : 24 °C
Calibration Location	: Calibration Lab. of FTS	
Method Used	: By direct comparison the w	eight of dust particle trapped in a filter paper using high
	volume sampler (TSP meth	od) for a certain period, with the reading of the UUT. They
	should be placed at the san	ne 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)
0.0545	1650	27.50
0.0587	1695	28.25
0.0775	1839	30.65

#### **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 = 0.002207

3. Correlation coefficient (r) : 0.9983

Date : 26-4-2073 Certified by : <u>C.J. Jeung</u> Date : <u>Y6-4-3073</u> Leung Kwok Tai (Assistant Manager) Checked by :\_\_ CA-R-297 (22/07/2009)

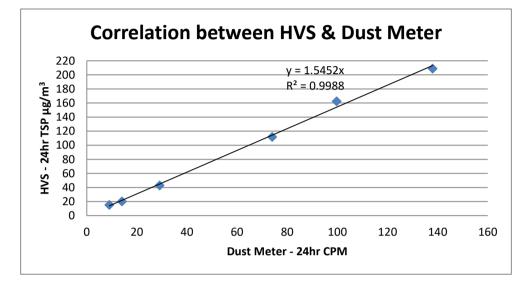
\*\* End of Report \*\*

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Correlation between HVS & Dust MeterModel:Sibata LD-3BSerial No:597318

HVS - 24hr TSP μg/m <sup>3</sup>	15.20	20.21	43.01	111.86	162.41	209.00
Dust Meter - 24hr CPM	9	14	29.1	74	99.7	138



K factor = 1.545



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

Report no.: 212769CA233215

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.	:	CEL-63X	CE-251	CEL-495
Serial No.	:	0873599	02374	003916
Equipment ID	:	N/A		
Next Calibration Date	:	22-Jun-2024		
Specification Limit	:	EN 61672-1: 2003 Class	; 1	

#### Laboratory Information

Details of Reference Equipment -

	-quipment -						
Description :	B & K Aco	3 & K Acoustic Multifunction Calibrator 4226 (Traditional free field setting)					
Equipment ID. :	R-108-1						
Date of Receipt :	14-Jun-202	23					
Date of Calibration :	23-Jun-202	23					
Calibration Location : Calibration Laboratory of FTS Ambient Temperature : 20±2 °C						°C	
Method Used :	By direct c	By direct comparison Relative H			:	<80% R	(.Η.
Calibration Results :							
Parameters		Mean Value (dB)		Specification Limit(c		Limit(dB)	ĺ
	4000Hz	1.6		2.6	to	-0.6	
	000011						i i

	4000HZ	1.0	2.6	to	-0.6
	2000Hz	1.4	2.8	to	-0.4
A-weigthing	1000Hz	0.0	1.1	to	-1.1
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	-26.3	-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. For calibration: Reference SPL are 94, 104 & 114dB, range setting is 20-140dB & time weighting is fast
- 3. The mean value is the average of four measurements.
- 4. The equipment 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 the values at the time of the test and 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.

Date : <u>36-6-2023</u> Certified by : Leung I ed by : <u>KJ, Leung</u> Date : <u>76 - 6 - 7 or</u> Leung Kwok Tai (Assistant Manager) Checked by : CA-R-297 (22/07/2009) \*\* End of Report \*\*

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

Report no.: 212769CA222278(1)

### CALIBRATION CERTIFICATE OF SOUND LEVEL METER

Page 1 of 1

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.	:	1488291	05683	002845
Equipment ID	:	N-61		
Next Calibration Date		26-Sep-2023		
Specification Limit	ł	EN 61672-1: 2003 Class	1	

#### Laboratory Information

Details of Reference Equipment -								
Description :		B & K Acoustic Multifunction Calib	3 & K Acoustic Multifunction Calibrator 4226 (Traditional free field setting)					
Equipment ID. :		R-108-1						
	:		Ambient Temperature Relative Humidity	:	20±2 °C <80% R.H.			

#### **Calibration Results :**

Parameters		Mean Value (dB)	Specification Limit(d		Limit(dB)
	4000Hz	0.7	2.6	to	-0.6
	2000Hz	1.1	2.8	to	-0.4
A-weigthing	1000Hz	0.0	1.1	to	-1.1
frequency response	500Hz	-3.4	-1.8	to	-4.6
	250Hz	-8.7	-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	0.0		± 0.6	5
	104dB-114dB	0.0		± 0.6	;

#### 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. 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.
- 6. The decision rule is based on binary statement for simple acceptance rule (w = 0).

Checked by :	_ Date : 299-200 Certified by : _ KT. Loung_ Date : 29-9-202
CA-R-297 (22/07/2009)	Leung Kwok Tai (Assistan Manager)

\*\* End of Report \*\*



Fugro Development Centre 5 Lok Yi Street, Tai Lam Tuen Mun, NT Hong Kong Page 1 of 1

Report no.: 212769CA222278(2)

### 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.	:	1488303	05248	004910
Equipment ID	:	N/A		
Next Calibration Date	:	26-Sep-2023		
Specification Limit		EN 61672-1: 2003 Class	1	

#### Laboratory Information

Details of Reference Equipment -

Description : Equipment ID. :		B & K Acoustic Multifunction Calib R-108-1	rator 4226 (Traditional fr	ee	field setting)
Date of Receipt UUT					
Date of Calibration	:	27-Sep-2022			
Calibration Location	÷	Calibration Laboratory of FTS	Ambient Temperature	:	20±2 °C
Method Used		By direct comparison	Relative Humidity	:	<80% R.H.

Relative Humidity

#### **Calibration Results :**

Parame	ters	Mean Value (dB)	Specification Limit		Limit(dB)
	4000Hz	1.3	2.6	to	-0.6
	2000Hz	1.3	2.8	to	-0.4
A-weigthing	1000Hz	0.0	1.1	to	-1.1
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	-26.3	-24.7	to	-27.7
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.

: By direct comparison

- 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.
- 6. The decision rule is based on binary statement for simple acceptance rule (w = 0).

Checked by :	_Date : 29-9-200 Certified by : _	K.T. Toung Date	: 29-9-2022
CA-R-297 (22/07/2009)	Leung Kwo	k Tai (Assistant Manager)	
	** End of Report	**	



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

Page 1 of 1

Report no.: 212769CA222517

# 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.	:	4181587	05175	003975
Equipment ID		N/A		
Next Calibration Date	: .	25-Oct-2023		
Specification Limit	:	EN 61672-1: 2003 Class	1	

#### Laboratory Information

Details of Reference	E	quipment -			
Description	ì	Acoustic Multifunction Calibrator			
Equipment ID.	;	R-108-1			
Date of Receipt Date of Calibration	:	25-Oct-2022 26-Oct-2022			
Calibration Location	•	Calibration Laboratory of FTS	Ambient Temperature	:	20±2 °C
Method Used	:	By direct comparison	Relative Humidity	:	<80% R.H.

#### Calibration Results :

Parame	ters	Mean Value (dB)	Specification Limit(dB)		
	4000Hz	Hz -0.4		to	-0.6
	2000Hz	0.3	2.8	to	-0.4
A-weigthing frequency response	1000Hz	0.0	1.1	to	-1.1
	500Hz	500Hz -2.9		to	-4.6
	250Hz	-8.1	-7.2	to	-10.0
	125Hz	-15.5	-14.6	to	-17.6
	63Hz	-25.6	-24.7	to	-27.7
Differential level linearity	94dB-104dB	0.1		± 0.6	
	104dB-114dB	0.0		± 0.6	

#### 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. 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 :	_Date : <u>3/-/o-2002</u> Certified by : <u>KIJeuma</u> Date : <u>3/-10-&gt;07</u>
CA-R-297 (22/07/2009) 🛛 🗸	Leung Kwok Tai (Assistant Manager)
	** End of Report **

	caseLLA icate of ad Calibration for
CEL-120 Acou	stic Calibrator
Applicable Standards :-IEC	60942: 2003 & ANSI S1.40: 2006
CEL-120/1 Class 1	
CEL-120/2 Class 2	
052	Ecolo
Serial No: 252	0810
Firmware: 04	5896 ressure: <u>1017</u> mb %RH 56
Temperature: 209°C P	ressure: 1017 mb %RH 20
Frequency = 1.00kHz ± 2Hz	
T.H.D. = < 1%	Calibration Level
SPL @ 114.0dB Setting	114.01 dB
SPL @ 94.0dB Setting (CEL-120/1 only)	93.99 dB/N.A
$\bigcap D$	0 3 NOV 2022
Engineer March	Le Date :- UJ INUV LULL
	the second for anothermore testing are
authing to periodic calibration, traceable t	king standards, used for conformance testing, are o UK national standards, in accordance with the 99001 Quality System.
company's ISC	Soor Quality System.
second	N OF CONFORMITY ified above has been produced and tested to comply with
the manufacturer's published specifications a	nd the relevant European Community CE directives. Casella
Regent House, Wolseley Ro Phone: +44 (0) 1234 8441	ad, Kempston, Bedford. MK42 7JY
E-mail: info(	@casellasolutions.com
Web: www.	casellasolutions.com 198032A-

Certificate of Conformance and Calibration for	
CEL-120 Acoustic Calibrator	
Applicable Standards :-IEC 60942: 2003 & ANSI \$1.40: 2006	
CEL-120/1 Class 1	
CEL-120/2 Class 2	
Serial No: <u>2525984</u> Firmware: <u>04</u> Temperature: <u>23°9 °C</u> Pressure: <u>1016</u> mb %RH 55	
Frequency = 1.00kHz ± 2HzCalibration LevelT.H.D. = < 1%	
Company test equipment and acoustic working standards, used for conformance testing, are subject to periodic calibration, traceable to UK national standards, in accordance with the company's ISO9001 Quality System.	
DECLARATION OF CONFORMITY This certificate confirms that the instrument specified above has been produced and tested to comply with the manufacturer's published specifications and the relevant European Community CE directives.	h
Casella Regent House, Wolseley Road, Kempston, Bedford, MK42 7JY Phone: +44 (0) 1234 844100 Fax: +44 (0) 1234 841490 E-mail: info@casellasolutions.com	
Web: www.casellasolutions.com 198032A-(	12



<80% R.H.

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

Report no.: 212769CA223056(2)

# CALIBRATION CERTIFICATE OF SOUND CALIBRATOR

Page 1 of 1

### **Client Supplied Information**

Client : Fugro Technical Services Ltd.

#### **Project : Calibration Services**

Details of Unit Under Test, UUT -

Description		:	Sound Calibrator		
Manufacturer		:	Casella (Model CEL-120/1)		
Serial No.		:	4358250		
Equipment ID		:	N/A		
Next Calibration Date	:				
Specification Limit	;	ΕN	l 60942: 2003 Class 1		
Laboratory Informat	ion				
Details of Calibration	Equ	ipme	ent		
Description : Reference Sound level meter					
Equipment ID	P	110	2		

Equipment ID.		R-119-2	
Date of Receipt UU	T :	30-Dec-2022	
Date of Calibration	÷	04-Jan-2023	
Calibration Location	ו :	Calibration Laboratory of FTS	Ambient Temperature : 20±2 °C
Method Used	÷	By direct comparison	Relative Humidity : <80%

#### **Calibration Results :**

Parameters (Setting of UUT)	ers (Setting of UUT) Mean Value (error of measurement)		
94dB	94dB 5.4 dB		
114dB	5.5 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 equipment under test does not comply 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 :
 M
 Date :
 2-/-2023
 Certified by :
 M
 Date :
 2-/-2023
 Certified by :
 Carrier Comparison
 Carrier Comparison

\*\* End of Report \*\*



°C

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

Report no.: 212769CA222278(3)

# **CALIBRATION CERTIFICATE OF SOUND CALIBRATOR**

Page 1 of 1

#### **Client Supplied Information**

Client : Fugro Technical Services Ltd.

#### **Project : Calibration Services**

Details of Unit Under Test, UUT -

Description		:	Sound Calibrator
Manufacturer		:	Casella (Model CEL-120/1)
Serial No.		i.	5230950
Equipment ID		•	N/A
Next Calibration Date	÷	26-	-Sep-2023
Specification Limit	:	EN	l 60942: 2003 Class 1
Laboratory Information	on		
Details of Calibration E	qui	pme	ent
Description :	Re	efere	ence Sound level meter
Equipment ID. :	R-	119	-2
Date of Receipt UUT :	23	-Sej	p-2022
Date of Calibration :	27	-Se	p-2022
Calibration Location :	Ca	alibra	ation Laboratory of FTS Ambient Temperature : 20±2

Method Used 5 By direct comparison Relative Humidity : <80% R.H.

#### Calibration Results :

Parameters (Setting of UUT)	Mean Value (error of measurement)	Specification Limit(dB)	
94dB	94dB -0.3 dB		
114dB	-0.4 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 equipment under test does comply 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.
- 5. The decision rule is based on binary statement for simple acceptance rule (w = 0).

Checked by :	_ Date : D-g_lon_Certified by : KT. Leung_ Date : 29-9-2022
CA-R-297 (22/07/2009)	Leung Kwok Tai (Assistant Manager)
	** End of Report **

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

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			1	2	3	4	5
					AMS4A Wai Wah Centre		
					AMS7A Sheung Wo Che		
					AMS12 Fung Wo Estate		
					AMS17 Wo Che Estate		
					NMS 1, NMS 2, NMS 3, NMS 4, NMS 5A, NMS		
					6A, NMS 7, NMS 15, NMS 16, NMS 18,NMS	NMS 13, NMS 14, NMS17, NMS 19, NMS 20,	
					23, NMS 27	NMS 24, NMS 25A, NMS 26	
	6	7	8	9	10	11	12
				AMS4A Wai Wah Centre			
				AMS7A Sheung Wo Che			
				AMS12 Fung Wo Estate			
				AMS17 Wo Che Estate			
				NMS 1, NMS 2, NMS 3, NMS 4, NMS 5A, NMS			
				6A, NMS 7, NMS 15, NMS 16, NMS 18,NMS	NMS 13, NMS 14, NMS17, NMS 19, NMS 20,		
				23, NMS 27	NMS 24, NMS 25A, NMS 26		
	13	14	15	16	17	18	19
			AMS4A Wai Wah Centre				
			AMS7A Sheung Wo Che				
Aug-23			AMS12 Fung Wo Estate				
Aug-25			AMS17 Wo Che Estate				
			NMS 1, NMS 2, NMS 3, NMS 4, NMS 5A, NMS	NMS 8, NMS 9, NMS 10A, NMS 11, NMS 12,			
			6A, NMS 7, NMS 15, NMS 16, NMS 18, NMS	NMS 13, NMS 14, NMS17, NMS 19, NMS 20,			
			23, NMS 27	NMS 24, NMS 25A, NMS 26			
	20	21	22	23	24	25	26
		AMS4A Wai Wah Centre					AMS4A Wai Wah Centre
		AMS7A Sheung Wo Che					AMS7A Sheung Wo Che
		AMS12 Fung Wo Estate					AMS12 Fung Wo Estate
		AMS17 Wo Che Estate					AMS17 Wo Che Estate
		NMS 1, NMS 2, NMS 3, NMS 4, NMS 5A, NMS	NMS 8, NMS 9, NMS 10A, NMS 11, NMS 12,				
		6A, NMS 7, NMS 15, NMS 16, NMS 18, NMS	NMS 13, NMS 14, NMS17, NMS 19, NMS 20,				
		23, NMS 27	NMS 24, NMS 25A, NMS 26				
	27	28	29	30	31		

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 August 2023 is northeast, east and southwest.

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

- Trial pits excavation at Zone 1, 2
- 2 Road surface Maintenance at Zone 1, 2, 3, 4 & 5
- 3 Noise Barrier Foundation Works at Zone 1, 2, 3, 4 & 5
- 4 Slope Reinstatement and Drainage Works at Zone 1
- 5 Noise Barrier Erection Works at Zone 1, 2 & 5
- 6 Relocation of Existing Fire Hydrants and relating Watermains at Zone 1, 2, 3 & 5
- 7 Reinstatement of cycling track
- 8 Tree Works (including preservation / felling/ pruning/ transplantation) at Zone 3
- 9 Reinstatement of footpath and cycle track at Zone 3
- 10 Construction of Retaining Wall and Erection of Parapet at Zone 3
- 11 Lift no.2 Installation + SR5 Foundation Works + Construction of [former staircase] Abutment Wall at Zone 3
- 12 Construction Works for N263 & N264 Bridge Deck Widening + Construction of New Abutment Wall+ Demolition of Existing Beam/ Slab + Road Diversion + Asphalt Works at Zone 3
- 13 Construction Works for Lift no.1 at Zone 3
- 14 Construction Works N262 Bridge Deck Widening at Zone 3
- 15 Drainage Works at Zone 4
- 16 Pilling Construction Works at Zone 3
- 17 Slope Landscaping Works + Irrigation System for Landscaping + Drainage Works on Slope at Zone 5
- 18 Reinstatement of cycling track at Zone 5

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
						(Cancelled)1	(Cancelled)2
						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	NMS 8, NMS 9, NMS 10A, NMS 11, NMS 12,
							NMS 13, NMS 14, NMS17, NMS 19, NMS 20,
						23, NMS 27	NMS 24, NMS 25A, NMS 26
	3	*4	*5	6	7	8	9
		AMS5 Tin Liu			AMS5 Tin Liu		
		AMS7A Sheung Wo Che			AMS7A Sheung Wo Che		
		AMS14 Ha Wo Che			AMS14 Ha Wo Che		
		AMS15 Ha Wo Che			AMS15 Ha Wo Che		
		NMS 1, NMS 2, NMS 3, NMS 4, NMS 5A, NMS	NMS 8, NMS 9, NMS 10A, NMS 11, NMS 12,		NMS 1, NMS 2, NMS 3, NMS 4, NMS 5A, NMS	NMS 8, NMS 9, NMS 10A, NMS 11, NMS 12,	
		6A, NMS 7, NMS 15, NMS 16, NMS 18, NMS	NMS 13, NMS 14, NMS17, NMS 19, NMS 20,		6A, NMS 7, NMS 15, NMS 16, NMS 18,NMS	NMS 13, NMS 14, NMS17, NMS 19, NMS 20,	
		23, NMS 27	NMS 24, NMS 25A, NMS 26		23, NMS 27	NMS 24, NMS 25A, NMS 26	
	10	11	12	13	14	15	16
				AMS5 Tin Liu			
				AMS7A Sheung Wo Che			
Sep-23				AMS14 Ha Wo Che			
3ep-23				AMS15 Ha Wo Che			
				NMS 1, NMS 2, NMS 3, NMS 4, NMS 5A, NMS	NMS 8, NMS 9, NMS 10A, NMS 11, NMS 12,		
					NMS 13, NMS 14, NMS17, NMS 19, NMS 20,		
				23, NMS 27	NMS 24, NMS 25A, NMS 26		
	17	18	19	20	21	22	23
			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	NMS 8, NMS 9, NMS 10A, NMS 11, NMS 12,			
			6A, NMS 7, NMS 15, NMS 16, NMS 18,NMS	NMS 13, NMS 14, NMS17, NMS 19, NMS 20,			
			23, NMS 27	NMS 24, NMS 25A, NMS 26			
	24	25	26	27			30
		AMS5 Tin Liu				AMS5 Tin Liu	
		AMS7A Sheung Wo Che				AMS7A Sheung Wo Che	
		AMS14 Ha Wo Che				AMS14 Ha Wo Che	
		AMS15 Ha Wo Che				AMS15 Ha Wo Che	
		NMS 1, NMS 2, NMS 3, NMS 4, NMS 5A, NMS					
			NMS 13, NMS 14, NMS17, NMS 19, NMS 20,				
		23, NMS 27 itoring may be subjected to change due to any	NMS 24, NMS 25A, NMS 26				

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 September 2023 is north and east.

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

- 1 Trial pits excavation at Zone 1, 2
- 2 Road surface Maintenance at Zone 1, 2, 4 and 5
- 3 Noise Barrier Foundation Works at Zone 1. 2. 4 and 5
- 4 Slope Reinstatement and Drainage Works at Zone 1
- 5 Noise Barrier Erection Works at Zone 1, 2, 4 and 5
- 6 Relocation of Existing Fire Hydrants and relating Watermains at Zone 1, 2, 3, 4 and 5
- 7 Reinstatement of cycling track at Zone 1 and 5
- 8 Construction of Tunnel sign at Zone 1
- 9 Construction of Transition at Zone 1 and 2
- 10 Construction of Draw pit and Pillar box at Zone 2
- 11 Tree Works (preservation / felling/ pruning/ transplantation) at Zone 3
- 12 Road surface Maintenance Reinstatement of footpath and cycle track at Zone 3
- 13 Construction of Retaining Wall at Zone 3
- 14 Lift no.2 Installation + SR5 Foundation Works + Construction of [former staircase] Abutment Wall at Zone 3
- 15 Construction Works for N263 & N264 Bridge Deck Widening + Construction of New Abutment Wall + Demolition of Existing Beam/ Slab + Road Diversion + Asphalt Works at Zone 3
- 16 Construction Works for Lift no.1 at Zone 3
- 17 Construction Works N262 Central median at Zone 3
- 18 Drainage Works + Road diversion+ Asphalt works at Zone 3
- 19 Pilling Construction Works at Zone 3
- 20 Road Construction (Bitumen paving) at Zone 4 and 5
- 21 Slope Landscaping Works + Irrigation System for Landscaping + Drainage Works on Slope at Zone 5

\*5. Typhoon signals no. 8 was hoisted on 1st and 2nd September 2023, due to safety concerns, the noise monitoring and air quality monitoring on 1st September 2023 were rescheduled to 4th September 2023,

and the noise monitoring on 2nd September 2023 was rescheduled to 5th September 2023.

	周	-		-	-	-	Ŧ	<u>ــ</u>	百百百日
	次	日	_	-	111	四	五	六	假期/事項
					1	2	3	4	下學期開始(6/2)
-	二十四	5	6	7	8	9	10	11	
	二十五	12	13	14	15	16	17	18	
月	二十六	19	20	21	22	23	24	25	
	ニキセ	26	27	28					預考周(27/2-3/3)
					1	2	3	4	六年級報分試(6/3-10/3)
Ξ	二十八	5	<u>6</u>	<u>7</u>	<u>8</u>	<u>9</u>	<u>10</u>	11	一至五年級主科考試(9-10/3)
	二十九	12	13	14	15	16	17	18	
月	三十	19	20	21	22	23	24	25	零功課日(21/3)
	三十一	26	$\mathcal{X}$	28	29	30	31		學校籌款(26/3) 補假(27/3)
						Ļ,	Ļ,	1	
四	三十二	2	3	4	X	X	X	X	福音周及復活節崇拜(3/4-4/4) 清明節(5/4)
	三十三	X	X	X	X	X	X	X	復活節假期(6/4-15/4)
	三十四	16	17	18	19	20	21	22	零功課日(26/4) 綜藝晚會 (28/4)
月	三十五	23	24	25	26	27	28	29	
	三十六	30							
			Ж	2	3	4	5	6	勞動節(1/5) 拍住上辯論賽(6/5)
五	三十七	7	8	9	10	11	12	13	
	三十八	14	15	16	17	18	19	20	預考周(22/5-30/5)
月	三十九	21	22	23	24	25	26	27	佛誕(26/5)
	四十	28	29	30	<u>31</u>				一至六年級考試(31/5-6/6)
						<u>1</u>	<u>2</u>	3	
六	四十一	4	<u>5</u>	<u>6</u>	7	8	9	10	
	四十二	11	12	13	14	15	16	17	
月	四十三	18	19	20	21	X	23	24	端午節(22/6)
	四十四	25	26	27	28	29	30	Ļ,	畢業禮(30/6)
								$\times$	香港特區成立紀念日(1/7)
セ	四十五	2	X	4	5	6	7	8	畢業禮補假(3/7)
	四十六	9	10	11	12	X	$\bowtie$	X	結業禮(11/7) 教師專業發展日(12/7)
月	四十七	16	X	18	X	20	$\Sigma$	22	暑假(13/7-31/8)
	四十八	23	24	25	26	X	28	29	
	四十九	30	X	Ļ		Ļ			
			L ,	X	X	X	$\left  \right\rangle$	$\searrow$	
へ	五十	6	X	×	×	XQ	X	X	
	五十一	<u>)</u>	X	X	76	X	78	X	
月	五十二	20	24	22	23	24	25	26	
	五十三	X	28	29	30	X			

# 培英中學2022至2023年度校曆表

	1								
		日	1	11	=	四	五	六	
					Mar		(		(27/2)第六十二屆陸運會 (28/2)陸運會翌日假期
27	Ξ	26	$27^{ riangle}$	(28)	1	2	3	4	(3/3)「學校起動」聯校教師專業發展日
							)		(4/3)家長日暨中五多元出路資訊家長講座
20		5	6	7	8	9	10	11	(6-9/3)英語周
28		5	0	/	8	9	10	11	(10/3) 中六級習禮及感恩惜別會
									(13/3)中六級開始溫習應付公開試
29		12	13	14	15	16	17	18	(13-17/3)科學周
	月								(17/3)頒獎禮
30	~	19	20	21	22	23 <sup>T</sup>	24 <sup>T</sup>	25	(23-28/3)中一至中五級統一測驗
00		.,	20			20		Apr	
31	四	26	27 <sup>т</sup>	28 <sup>T</sup>	29	30	31	1	
		20	27	20	2)	50	51	1	(4/4)復活節崇拜會
32		2	3	4	(5)	(6)	(7)	(8)	
22		(0)	(10)	(1.1)	(10)	(12)	(14)	(15)	(5/4)清明節假期 (6-15/4)復活節假期共10天
33		<b>(9</b> )	(10)	(11)	(12)	(13)	(14)	(15)	
34		16	17	18	19	20	21	22	(18/4或19/4)中三級全港性系統評估口試
									(21/4-16/5)香港中學文憑考試
35	月	23	24	25	26	27	28	29	(28/4)校祖日感恩崇拜暨慶祝活動
									(28/4)TSA口試後備日
			May						(1/5)勞動節假期
36	五	30	(1)	2	3	4	5	6	(2-5/5)科技周
37		7	8	9	10	11	12	13	
38		14	15	16	17	18	<b>19</b> △	20	(19/5下午)畢業典禮 (15-18/5)體育周
50		14	15	10	17	10	19	20	(19/5晚上)歡送畢業生暨校友會迎新晚會
39	月	21	22	23	24	25	00	27	(25/5)全方位學習日(3)
39		21	22	25	24	25-	(26)	21	(26/5)佛誕日翌日假期
						Jun			
40	六	28	29	30	31	1	2	3	(2/6)畢業禮後備日
41		4	5 <sup>E</sup>	6 <sup>E</sup>	7 <sup>E</sup>	8 <sup>E</sup>	9 <sup>E</sup>	10	(5-13/6)中一至中五級下學期考試共7天
									(14-20/6)中一至中四級試後回饋日 (14-30/6)中五級試後上課周
42		11	12 <sup>E</sup>	13 <sup>e</sup>	14	15	16	17	(14-15/6)中三級全港性系統評估(中英數)
									(16/6下午)中五級學習概覽寫作工作坊
	月								(19/6)中三級全港性系統評估(後備日)
43	~	18	19	20	21	(22)	23	24	(21-26/6)中一至中五級溫習及補考 (22/6)端午節假期
								Iul	(28/6)全方位學習日(4)
44	セ	25	26	27	28	29	30	( <b>1</b> )	
45		23	3	4	5	6	7	(1)	(1/7)香港特別行政區成立紀念日假期
43		2	3	4	5	0	/	0	(10月) をゆむ 日本 エ
									(10/7) 年終感恩慶典
46		9	9 10	11	12	(13)	(14)	(15)	(10/7)中六級中學文憑考試放榜輔導講座
									(11-12/7)升中六備試課程(一) (12/7)學生註冊
									(13/7-31/8)暑假共50天
	月	( <b>16</b> )		(18)			(21)	(22)	(19/7)香港中學文憑考試放榜
48		(23)	(24)	(25)	(26)	(27)	(28)	( <b>29</b> )	
				Aug					
49	へ	<b>(30</b> )	<b>(31</b> )	(1)	(2)	(3)	(4)	(5)	
50		(6)	(7)	(8)	(9)	(10)	(11)	(12)	(8-17/8)升中六備試課程(二)
51	月	(13)	(14)	(15)	( <b>16</b> )	(17)	(18)	( <b>19</b> )	
52		(20)	(21)	(22)	(23)	(24)	(25)	(26)	
	九						Sept		(28/8)領取書籍校服 (1/9)下學年開學禮
53		(27)	(28)	( <b>29</b> )	(30)	(31)	1	2	(28-30/8)升中導向課程 (4/9)正式上課
	1		<u> </u>		<u> </u>	<u> </u>			

聖公會主風小學 2022-2023 年度下學期校曆表

	1									
週	月			屋	Į į	期			行事要項	假 期
次	份 2023				<u> </u>	Ш	T	<u> </u>		日
		日 22	23	24	<u> </u>	四 26	<u>五</u> 27	六 28		
	月	22	23 30	31	23	20	21	20	23/1 2/2 辰间和平限为	3
	Л	2)	30	51	1	2	3	4		2
	<u> </u>	5	6*	7	8	<u>2</u> 9	10	11	6/2 下學期開始	
	一月	12	13	, 14	15	9 16	10	18		
2	Л	12	20	21	22	23	24	25		
		26	20	28		23	24	23		
		20	21	20					1/3 評估前一天學生 11 時 20 分放學	
					1*	<u>2</u>	<u>3</u>	4	2/3-7/3 第二次評估/呈分試(P.6)	
(5)	Ξ	5	<u>6</u>	<u>7</u>	8	9	10	11		
<b>6</b>	三月	12	13	14	15	16	17	18		
<b>5</b> <b>6</b> <b>7</b>		19	20	21	22	23*	24	25	23/3 第廿八屆水運會	
8		26	27	28	29		31*		31/3 下學期家長日	
								1		
(9)	四	2	3	4	5	6	7	8	3/4-13/4 復活節假期 5/4 清明節	6
(10)	月	9	10	11	12	13	14	15		5
(11)		16	17	18	19	20	21	22		
(12)		23	24	25	26	27	28	29		
9 10 11 12 13		30								
			1	2	3	4	5	6	1/5 勞動節	1
14	五	7	8	9	10	11	12	13		
(15)	月	14	15	16	17	18	19	20		
15 16		21	22	23	24	25	26	27	26/5 佛誕	1
17		28	20	30*	21*				30/5 香港聖公會堂校社服發展日	
$\square$		20	29	50	51				31/5 評估前一天學生 11 時 20 分放學	
						<u>1</u> 8	<u>2</u> 9	3	1/6-6/6 第三次評估/呈分試(P.5)	
18	六	4	<u>5</u>	<u>6</u>	7	8	9	10		
19	月	11	12	13	14	15	16	17		
18 19 20 21		18	19	20	21	22	23	24	22/6 端午節	1
(21)		25	26	27	28	29	30			
								1	1/7 香港特別行政區成立紀念日	1
22 23	セ	2	3	4	5	6	7	8		
23	月	9	10	11	12	13	14	15	13/7-31/8 暑假	50
		16	17	18	19	20	21	22		
附註	附註: □代表假期 ★代表特別事宜							宜		

#### JCTIC Student Calendar

#### 8 2023 (香港標準時間)

		週一	`ш —	·	)田田	<b>`田</b> <i>丁</i>	02023(自定标牛时间)
週日	20		週二	週三	週四	週五	週六
	30	31	1	2	3	4	5
Summer Vacation							
	6	7	8	9	10	11	10
	0		8	9			12
Summer Vacation					-	-	]
		Summer Academic					
	13	14	15	16	17	18	19
Summer Vacation							
	20	21	22	23	24	25	26
Summer Vacation							
		F.1 Summer Bridging Progra	amme (TBC)		1	·	F.1 Orientation 2023-24
						) 	
	27	28	29	30	31	1	2
Summer Vacation				I			
L							

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 F

Air Quality Monitoring Data

# 1-hour TSP Impact Monitoring Result for

# NOD 03-2018 Road Widening and Retrofitting Noise Barriers on Tai Po Road (Sha Tin Section)

	1-hour TSP (µg/m³)							
Date	Start Time	1st hr	2nd hr	3rd hr	Average	Action Level	Limit Level	Weather
03-Aug-23	09:14	28	24	26	26			Fine
09-Aug-23	07:46	32	27	29	29			Fine
15-Aug-23	08:30	32	34	34	33	348	500	Cloudy
21-Aug-23	13:13	34	32	32	33			Fine
26-Aug-23	10:41	52	54	54	53			Overcast
-	Average		35					
	Max		54					
	Min		24					

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

#### AMS7A - Sheung Wo Che

	1-hour TSP (µg/m³)							
Date	Start Time	1st hr	2nd hr	3rd hr	Average	Action Level	Limit Level	Weather
03-Aug-23	10:01	28	22	26	25			Fine
09-Aug-23	16:31	30	32	32	31			Fine
15-Aug-23	08:04	30	28	30	29	344	500	Cloudy
21-Aug-23	08:58	30	32	32	31			Fine
26-Aug-23	13:11	50	59	50	53			Overcast
	Average		34					
	Max		59					
	Min		22					

#### AMS 12 - Fung Wo Estate

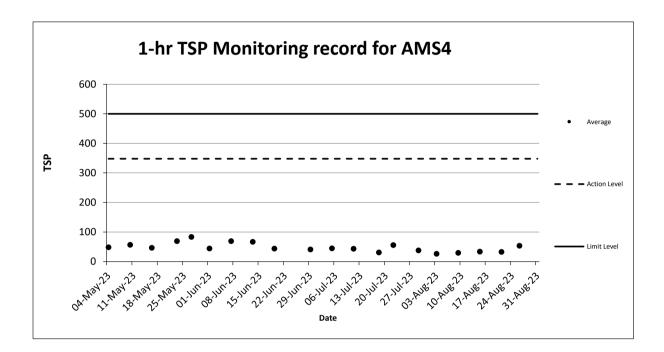
	1-hour TSP (µg/m³)							
Date	Start Time	1st hr	2nd hr	3rd hr	Average	Action Level	Limit Level	Weather
03-Aug-23	12:46	30	30	28	29			Fine
09-Aug-23	08:14	34	34	30	33			Fine
15-Aug-23	13:40	32	30	28	30	296	500	Cloudy
21-Aug-23	14:46	32	34	34	33			Fine
26-Aug-23	12:34	36	30	27	31			Overcast
	Average		31					
	Max	36						
	Min		27					

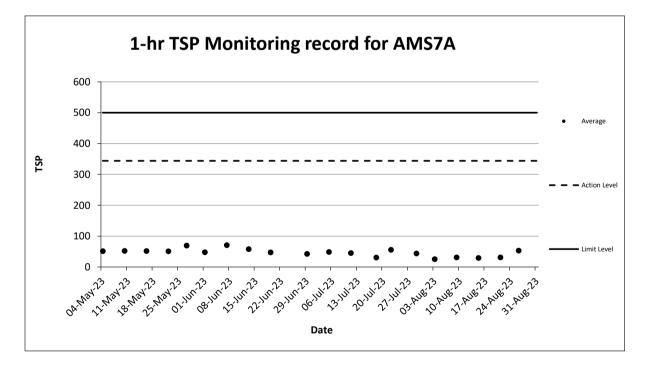
#### AMS 17 - Wo Che Estate

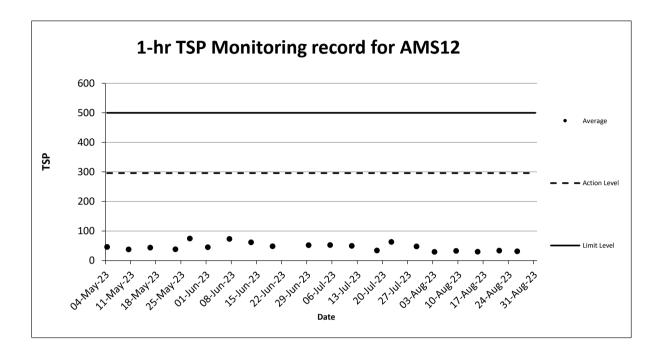
	1-hour TSP (μg/m³)							
Date	Start Time	1st hr	2nd hr	3rd hr	Average	Action Level	Limit Level	Weather
04-Aug-23	02:32	27	29	27	28			Fine
09-Aug-23	15:02	34	34	32	33			Fine
15-Aug-23	07:52	33	29	33	32	338	500	Cloudy
21-Aug-23	13:32	34	32	30	32			Fine
26-Aug-23	16:58	36	24	28	29			Overcast
	Average		31					
	Max	36						
	Min		24					

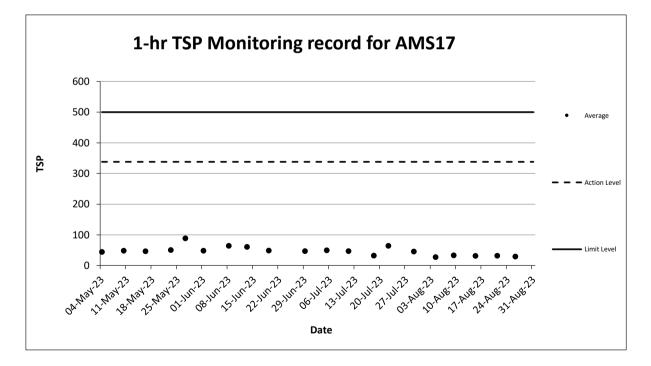
Remark 1. Actual monitoring may be subjected to change due to any safety concern or adverse weather condition.

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 Cer	ntre (Site Boundary)		
Date and Time	TSP Concentration (µg/m <sup>3</sup> )	Date and Time	TSP Concentration (µg/m <sup>3</sup> )
03-08-23 08:14	22	09-08-23 07:	46 32
03-08-23 09:14	28	09-08-23 08:	46 27
03-08-23 10:14	24	09-08-23 09:	46 29
03-08-23 11:14	26	09-08-23 10:	46 29
03-08-23 12:14	24	09-08-23 11:	46 29
03-08-23 13:14	22	09-08-23 12:	46 27
03-08-23 14:14	22	09-08-23 13:	46 30
03-08-23 15:14	20	09-08-23 14:	46 25
03-08-23 16:14	20	09-08-23 15:	46 25
03-08-23 17:14	18	09-08-23 16:	46 29
03-08-23 18:14	20	09-08-23 17:	46 27
03-08-23 19:14	24	09-08-23 18:	46 23
03-08-23 20:14	24	09-08-23 19:	46 23
03-08-23 21:14	18	09-08-23 20:	46 23
03-08-23 22:14	17	09-08-23 21:	46 25
03-08-23 23:14	17	09-08-23 22:	46 27
04-08-23 00:14	18	09-08-23 23:	46 25
04-08-23 01:14	17	10-08-23 00:	46 21
04-08-23 02:14	20	10-08-23 01:	46 21
04-08-23 03:14	20	10-08-23 02:	46 25
04-08-23 04:14	22	10-08-23 03:	
04-08-23 05:14	24	10-08-23 04:	
04-08-23 06:14	22	10-08-23 05:	
04-08-23 07:14	18	10-08-23 06:	
	21	Avera	
Average Action Level	200		
Action Level	200	Action Lev	vel 200
	200 260		200 200
Action Level		Action Lev	vel 200
Action Level Limit Level	260	Action Lev Limit Lev	rel 200 rel 260 TSP Concentration (μg/m³)
Action Level Limit Level Date and Time	260 TSP Concentration (μg/m³)	Action Lev Limit Lev Date and Time	rel         200           rel         260           TSP Concentration (μg/m³)           41         44
Action Level Limit Level Date and Time 21-08-23 08:13	260 TSP Concentration (μg/m³) 28	Action Lev Limit Lev Date and Time 26-08-23 08:	200           rel         260           TSP Concentration (µg/m³)           41         44           41         39
Action Level Limit Level Date and Time 21-08-23 08:13 21-08-23 09:13	260 TSP Concentration (μg/m³) 28 28	Action Lev Limit Lev Date and Time 26-08-23 08: 26-08-23 09:	Z00           rel         260           TSP Concentration (µg/m³)           41         44           41         39           41         52
Action Level Limit Level Date and Time 21-08-23 08:13 21-08-23 09:13 21-08-23 10:13	260 TSP Concentration (µg/m³) 28 28 30	Action Lev Limit Lev Date and Time 26-08-23 08: 26-08-23 10: 26-08-23 10:	TSP Concentration (μg/m³)           41         44           41         39           41         52           41         54
Action Level Limit Level 21-08-23 08:13 21-08-23 09:13 21-08-23 10:13 21-08-23 11:13	260 TSP Concentration (μg/m <sup>3</sup> ) 28 28 30 30 30	Action Lev Limit Lev 26-08-23 08: 26-08-23 10: 26-08-23 10: 26-08-23 11:	rel 200 rel 260 TSP Concentration (μg/m³) 41 44 41 39 41 52 41 52 41 54
Action Level Limit Level 21-08-23 08:13 21-08-23 09:13 21-08-23 10:13 21-08-23 11:13 21-08-23 12:13	260 TSP Concentration (μg/m³) 28 28 30 30 30 30 30	Action Lev Limit Lev 26-08-23 08: 26-08-23 10: 26-08-23 11: 26-08-23 12:	Z00           rel         260           TSP Concentration (µg/m³)           41         44           41         39           41         52           41         54           41         54           41         50
Action Level Limit Level 21-08-23 08:13 21-08-23 09:13 21-08-23 10:13 21-08-23 11:13 21-08-23 11:13 21-08-23 13:13	260 TSP Concentration (μg/m³) 28 28 30 30 30 30 30 34	Action Let Limit Let 26-08-23 08: 26-08-23 09: 26-08-23 10: 26-08-23 11: 26-08-23 12: 26-08-23 13:	Z00           rel         260           TSP Concentration (µg/m³)           41         44           41         39           41         52           41         54           41         50           41         44
Action Level Limit Level 21-08-23 08:13 21-08-23 09:13 21-08-23 10:13 21-08-23 11:13 21-08-23 12:13 21-08-23 13:13 21-08-23 13:13	260 TSP Concentration (μg/m³) 28 28 30 30 30 34 32	Action Lev Limit Lev Date and Time 26-08-23 08: 26-08-23 10: 26-08-23 11: 26-08-23 12: 26-08-23 13: 26-08-23 14:	Z00           rel         260           TSP Concentration (µg/m³)           41         44           41         39           41         52           41         54           41         50           41         48           41         46
Action Level Limit Level 21-08-23 08:13 21-08-23 09:13 21-08-23 10:13 21-08-23 11:13 21-08-23 12:13 21-08-23 13:13 21-08-23 13:13 21-08-23 15:13	260 TSP Concentration (μg/m³) 28 28 30 30 30 30 34 32 32	Action Lev Limit Lev Date and Time 26-08-23 08: 26-08-23 10: 26-08-23 12: 26-08-23 13: 26-08-23 13: 26-08-23 14: 26-08-23 15:	200           rel         260           TSP Concentration (μg/m³)           41         44           41         39           41         52           41         54           41         50           41         48           41         33
Action Level Limit Level 21-08-23 08:13 21-08-23 09:13 21-08-23 10:13 21-08-23 12:13 21-08-23 13:13 21-08-23 13:13 21-08-23 13:13 21-08-23 15:13 21-08-23 16:13	260 TSP Concentration (µg/m³) 28 28 30 30 30 30 34 32 32 32 30	Action Lev Limit Lev Date and Time 26-08-23 08: 26-08-23 10: 26-08-23 11: 26-08-23 12: 26-08-23 13: 26-08-23 14: 26-08-23 15: 26-08-23 16:	Z00           rel         260           TSP Concentration (µg/m³)           41         44           41         39           41         52           41         54           41         54           41         50           41         48           41         33           41         33
Action Level Limit Level 21-08-23 08:13 21-08-23 09:13 21-08-23 10:13 21-08-23 11:13 21-08-23 12:13 21-08-23 13:13 21-08-23 14:13 21-08-23 15:13 21-08-23 15:13 21-08-23 17:13	260 TSP Concentration (μg/m³) 28 28 30 30 30 34 32 32 30 28	Action Let Limit Lev Date and Time 26-08-23 09: 26-08-23 10: 26-08-23 11: 26-08-23 13: 26-08-23 13: 26-08-23 13: 26-08-23 14: 26-08-23 15: 26-08-23 16: 26-08-23 17:	Z00           rel         260           TSP Concentration (µg/m³)           41         44           41         39           41         52           41         54           41         54           41         54           41         54           41         54           41         54           41         54           41         30           41         33           41         37           41         29
Action Level Limit Level 21-08-23 08:13 21-08-23 09:13 21-08-23 10:13 21-08-23 11:13 21-08-23 11:13 21-08-23 13:13 21-08-23 15:13 21-08-23 16:13 21-08-23 16:13 21-08-23 17:13 21-08-23 18:13	260 TSP Concentration (μg/m³) 28 28 30 30 30 34 32 32 30 28 28 28	Action Let Limit Let Date and Time 26-08-23 08: 26-08-23 10: 26-08-23 11: 26-08-23 12: 26-08-23 13: 26-08-23 14: 26-08-23 14: 26-08-23 15: 26-08-23 17: 26-08-23 17: 26-08-23 18:	Z00           rel         260           TSP Concentration (µg/m³)           41         44           41         39           41         52           41         54           41         50           41         48           41         33           41         37           41         29           41         29           41         29           41         29
Action Level Limit Level 21-08-23 08:13 21-08-23 09:13 21-08-23 10:13 21-08-23 11:13 21-08-23 12:13 21-08-23 12:13 21-08-23 15:13 21-08-23 16:13 21-08-23 16:13 21-08-23 18:13 21-08-23 19:13	260 TSP Concentration (μg/m³) 28 28 30 30 30 34 32 32 32 30 28 28 28 28	Action Lev Limit Lev Date and Time 26-08-23 08: 26-08-23 09: 26-08-23 10: 26-08-23 11: 26-08-23 12: 26-08-23 13: 26-08-23 14: 26-08-23 15: 26-08-23 15: 26-08-23 17: 26-08-23 18: 26-08-23 18: 26-08-23 19:	Z00           rel         260           TSP Concentration (µg/m³)           41         44           41         39           41         52           41         54           41         50           41         48           41         33           41         37           41         29           41         29           41         29           41         48
Action Level Limit Level 21-08-23 08:13 21-08-23 09:13 21-08-23 10:13 21-08-23 11:13 21-08-23 12:13 21-08-23 12:13 21-08-23 13:13 21-08-23 15:13 21-08-23 17:13 21-08-23 18:13 21-08-23 18:13 21-08-23 19:13 21-08-23 20:13	260 TSP Concentration (µg/m³) 28 28 30 30 30 30 34 32 32 30 28 28 28 28 28 28 28 28 28 28	Action Lev Limit Lev Date and Time 26-08-23 08: 26-08-23 10: 26-08-23 11: 26-08-23 12: 26-08-23 13: 26-08-23 14: 26-08-23 15: 26-08-23 16: 26-08-23 16: 26-08-23 18: 26-08-23 19: 26-08-23 19: 26-08-23 20:	200           rel         260           TSP Concentration (μg/m³)           41         44           41         39           41         52           41         54           41         54           41         54           41         48           41         46           41         33           41         29           41         29           41         46           41         29           41         46           41         46
Action Level Limit Level 21-08-23 08:13 21-08-23 09:13 21-08-23 10:13 21-08-23 11:13 21-08-23 11:13 21-08-23 12:13 21-08-23 14:13 21-08-23 15:13 21-08-23 15:13 21-08-23 18:13 21-08-23 19:13 21-08-23 21:13 21-08-23 21:13 21-08-23 22:13	260 TSP Concentration (µg/m³) 28 28 30 30 30 34 32 32 32 30 28 28 28 28 28 28 28 28 28 28	Action Let Limit Let Date and Time 26-08-23 08: 26-08-23 09: 26-08-23 10: 26-08-23 11: 26-08-23 13: 26-08-23 13: 26-08-23 14: 26-08-23 15: 26-08-23 17: 26-08-23 18: 26-08-23 18: 26-08-23 18: 26-08-23 21: 26-08-23 21:	Z00           rel         260           TSP Concentration (µg/m³)           41         44           41         39           41         52           41         54           41         54           41         50           41         46           41         33           41         29           41         29           41         46           41         37           41         29           41         46           41         50
Action Level Limit Level 21-08-23 08:13 21-08-23 09:13 21-08-23 10:13 21-08-23 11:13 21-08-23 11:13 21-08-23 12:13 21-08-23 15:13 21-08-23 16:13 21-08-23 16:13 21-08-23 19:13 21-08-23 20:13 21-08-23 21:13 21-08-23 21:13 21-08-23 21:13 21-08-23 21:13	260 TSP Concentration (µg/m³) 28 28 30 30 30 34 32 32 30 28 28 28 28 28 28 28 28 28 28	Action Lev Limit Lev Date and Time 26-08-23 08: 26-08-23 09: 26-08-23 10: 26-08-23 11: 26-08-23 12: 26-08-23 13: 26-08-23 14: 26-08-23 14: 26-08-23 17: 26-08-23 17: 26-08-23 19: 26-08-23 19: 26-08-23 21: 26-08-23 21: 26-08-23 21:	Z00           rel         260           TSP Concentration (µg/m³)           41         44           41         39           41         52           41         54           41         54           41         54           41         54           41         54           41         54           41         54           41         29           41         29           41         29           41         46           41         50           41         50           41         37           41         29           41         46           41         50           41         37
Action Level Limit Level 21-08-23 08:13 21-08-23 09:13 21-08-23 10:13 21-08-23 11:13 21-08-23 11:13 21-08-23 12:13 21-08-23 15:13 21-08-23 15:13 21-08-23 16:13 21-08-23 16:13 21-08-23 19:13 21-08-23 21:13 21-08-23 21:13 21-08-23 21:13 21-08-23 21:13 21-08-23 21:13 21-08-23 21:13 21-08-23 21:13 21-08-23 21:13 21-08-23 21:13	260 TSP Concentration (μg/m³) 28 28 30 30 30 34 32 32 32 30 28 28 28 28 28 28 28 28 28 28	Action Lev Limit Lev Date and Time 26-08-23 08: 26-08-23 10: 26-08-23 11: 26-08-23 12: 26-08-23 13: 26-08-23 14: 26-08-23 15: 26-08-23 15: 26-08-23 17: 26-08-23 17: 26-08-23 18: 26-08-23 19: 26-08-23 20: 26-08-23 20: 26-08-23 22: 26-08-23 23:	Z00           rel         260           TSP Concentration (µg/m³)           41         44           41         39           41         52           41         54           41         50           41         48           41         33           41         29           41         29           41         29           41         50           41         33           41         50           41         50           41         50           41         50           41         50           41         50           41         50           41         37           41         37           41         35
Action Level Limit Level 21-08-23 08:13 21-08-23 09:13 21-08-23 10:13 21-08-23 11:13 21-08-23 12:13 21-08-23 12:13 21-08-23 12:13 21-08-23 16:13 21-08-23 16:13 21-08-23 17:13 21-08-23 19:13 21-08-23 21:13 21-08-23 21:13 21-08-23 22:13 21-08-23 23:13 21-08-23 23:13 21-08-23 23:13 22-08-23 01:13	260 TSP Concentration (µg/m³) 28 28 30 30 30 30 32 32 32 30 28 28 28 28 28 28 28 28 28 28	Action Lev Limit Lev Date and Time 26-08-23 08: 26-08-23 10: 26-08-23 11: 26-08-23 12: 26-08-23 12: 26-08-23 13: 26-08-23 14: 26-08-23 15: 26-08-23 15: 26-08-23 15: 26-08-23 16: 26-08-23 19: 26-08-23 19: 26-08-23 20: 26-08-23 22: 26-08-23 22: 26-08-23 22: 26-08-23 22: 26-08-23 22: 26-08-23 23:	Z00           rel         260           TSP Concentration (µg/m³)           41         44           41         39           41         52           41         54           41         50           41         50           41         46           41         33           41         46           41         29           41         29           41         46           41         37           41         37           41         37           41         37           41         37           41         35           41         41
Action Level Limit Level 21-08-23 08:13 21-08-23 09:13 21-08-23 10:13 21-08-23 11:13 21-08-23 11:13 21-08-23 12:13 21-08-23 14:13 21-08-23 15:13 21-08-23 15:13 21-08-23 18:13 21-08-23 19:13 21-08-23 19:13 21-08-23 21:13 21-08-23 21:13 21-08-23 21:13 21-08-23 21:13 21-08-23 21:13 22-08-23 00:13 22-08-23 01:13 22-08-23 02:13	260 TSP Concentration (µg/m³) 28 28 30 30 30 34 32 32 30 28 28 28 28 28 28 28 28 28 28	Action Let Limit Let Date and Time 26-08-23 09: 26-08-23 10: 26-08-23 11: 26-08-23 11: 26-08-23 13: 26-08-23 13: 26-08-23 14: 26-08-23 15: 26-08-23 15: 26-08-23 17: 26-08-23 17: 26-08-23 17: 26-08-23 12: 26-08-23 12: 26-08-23 12: 26-08-23 20: 26-08-23 20: 27-08-23 00: 27-08-23 02: 27-08-23 02: 27	Z00           rel         260           TSP Concentration (µg/m³)           41         44           41         39           41         52           41         54           41         54           41         50           41         46           41         33           41         29           41         29           41         46           41         33           41         37           41         50           41         33           41         35           41         41           41         44
Action Level Limit Level 21-08-23 08:13 21-08-23 09:13 21-08-23 10:13 21-08-23 11:13 21-08-23 11:13 21-08-23 12:13 21-08-23 12:13 21-08-23 15:13 21-08-23 16:13 21-08-23 19:13 21-08-23 20:13 21-08-23 20:13 21-08-23 20:13 21-08-23 20:13 21-08-23 20:13 21-08-23 20:13 22-08-23 00:13 22-08-23 00:13	260 TSP Concentration (μg/m³) 28 28 30 30 30 34 32 32 30 28 28 28 28 28 28 28 28 28 28	Action Let Limit Let Date and Time 26-08-23 08: 26-08-23 09: 26-08-23 10: 26-08-23 11: 26-08-23 12: 26-08-23 13: 26-08-23 14: 26-08-23 15: 26-08-23 17: 26-08-23 18: 26-08-23 18: 26-08-23 18: 26-08-23 12: 26-08-23 21: 26-08-23 22: 26-08-23 22: 27-08-23 20: 27-08-23 02: 27-08-23 02: 27-0	Z00           rel         260           TSP Concentration (µg/m³)           41         44           41         39           41         52           41         54           41         54           41         50           41         48           41         33           41         29           41         29           41         46           41         37           41         29           41         46           41         37           41         44           41         44           41         44           41         35           41         44           41         50
Action Level Limit Level 21-08-23 08:13 21-08-23 09:13 21-08-23 10:13 21-08-23 11:13 21-08-23 11:13 21-08-23 12:13 21-08-23 15:13 21-08-23 15:13 21-08-23 16:13 21-08-23 16:13 21-08-23 19:13 21-08-23 20:13 21-08-23 21:13 21-08-23 21:13 21-08-23 21:13 21-08-23 21:13 21-08-23 21:13 21-08-23 21:13 21-08-23 21:13 21-08-23 21:13 22-08-23 01:13 22-08-23 01:13 22-08-23 01:13	260 TSP Concentration (μg/m³) 28 28 30 30 30 34 32 32 30 28 28 28 28 28 28 28 28 28 28	Action Lev Limit Lev Date and Time 26-08-23 08: 26-08-23 09: 26-08-23 10: 26-08-23 11: 26-08-23 12: 26-08-23 13: 26-08-23 14: 26-08-23 14: 26-08-23 15: 26-08-23 16: 26-08-23 17: 26-08-23 19: 26-08-23 21: 26-08-23 21: 26-08-23 21: 26-08-23 22: 26-08-23 23: 27-08-23 00: 27-08-23 02: 27-08-23 02:	Z00           rel         260           TSP Concentration (µg/m³)           41         44           41         39           41         52           41         54           41         50           41         46           41         33           41         29           41         29           41         50           41         37           41         29           41         46           41         50           41         35           41         44           41         50           41         44           41         44           41         50           41         44           41         50           41         48
Action Level Limit Level 21-08-23 08:13 21-08-23 09:13 21-08-23 10:13 21-08-23 11:13 21-08-23 12:13 21-08-23 12:13 21-08-23 12:13 21-08-23 15:13 21-08-23 16:13 21-08-23 16:13 21-08-23 17:13 21-08-23 19:13 21-08-23 21:13 21-08-23 21:13 21-08-23 22:13 21-08-23 22:13 22-08-23 00:13 22-08-23 01:13 22-08-23 01:13 22-08-23 01:13 22-08-23 01:13 22-08-23 01:13	260 TSP Concentration (µg/m³) 28 28 30 30 30 32 32 32 30 28 28 28 28 28 28 28 28 28 28	Action Lex Limit Lex Date and Time 26-08-23 08: 26-08-23 10: 26-08-23 11: 26-08-23 12: 26-08-23 13: 26-08-23 13: 26-08-23 14: 26-08-23 15: 26-08-23 15: 26-08-23 17: 26-08-23 17: 26-08-23 18: 26-08-23 20: 26-08-23 20: 26-08-23 22: 26-08-23 22: 26-08-23 23: 27-08-23 00: 27-08-23 04: 27-08-23 04: 27-08-23 04:	Z00           rel         260           TSP Concentration (µg/m³)           41         44           41         39           41         52           41         54           41         50           41         48           41         33           41         29           41         29           41         29           41         50           41         37           41         50           41         48           41         44           41         50           41         48           41         44           41         50           41         44           41         44           41         44           41         50           41         48           41         44           41         44           41         44           41         44           41         41
Action Level Limit Level 21-08-23 08:13 21-08-23 09:13 21-08-23 10:13 21-08-23 11:13 21-08-23 11:13 21-08-23 13:13 21-08-23 14:13 21-08-23 15:13 21-08-23 15:13 21-08-23 17:13 21-08-23 19:13 21-08-23 20:13 21-08-23 20:13 21-08-23 20:13 21-08-23 00:13 22-08-23 00:13 22-08-23 03:13 22-08-23 03	260 TSP Concentration (µg/m³) 28 28 30 30 30 32 32 32 30 28 28 28 28 28 26 28 24 24 24 26 26 22 22 24 26 28 28 28 28 28 28 28 28 28 28	Action Let Limit Let Date and Time 26-08-23 09: 26-08-23 10: 26-08-23 11: 26-08-23 11: 26-08-23 13: 26-08-23 13: 26-08-23 13: 26-08-23 15: 26-08-23 15: 26-08-23 16: 26-08-23 17: 26-08-23 12: 26-08-23 12: 26-08-23 20: 26-08-23 21: 26-08-23 21: 26-08-23 22: 26-08-23 22: 26-08-23 22: 26-08-23 21: 26-08-23 22: 26-08-23 22: 26-08-23 22: 27-08-23 00: 27-08-23 00: 27-08-23 05: 27-08-23 05: 27-0	Z00           rel         260           TSP Concentration (µg/m³)           41         44           41         39           41         52           41         54           41         54           41         54           41         50           41         46           41         33           41         29           41         29           41         46           41         33           41         35           41         46           41         50           41         44           41         50           41         41           41         44           41         44           41         44           41         41           41         41           41         41           41         41           41         41
Action Level Limit Level 21-08-23 08:13 21-08-23 09:13 21-08-23 10:13 21-08-23 11:13 21-08-23 11:13 21-08-23 12:13 21-08-23 14:13 21-08-23 15:13 21-08-23 15:13 21-08-23 15:13 21-08-23 19:13 21-08-23 20:13 21-08-23 20:13 21-08-23 20:13 22-08-23 00:13 22-08-23 01:13 22-08-23 01	260 TSP Concentration (µg/m³) 28 28 30 30 30 32 32 32 30 28 28 28 28 28 28 28 26 28 24 26 26 22 22 24 26 28 28 26 22 22 24 26 28 28 28 28 28 28 28 28 28 28	Action Lex Limit Lex Date and Time 26-08-23 08: 26-08-23 09: 26-08-23 11: 26-08-23 11: 26-08-23 13: 26-08-23 13: 26-08-23 13: 26-08-23 15: 26-08-23 15: 26-08-23 16: 26-08-23 17: 26-08-23 18: 26-08-23 21: 26-08-23 22: 26-08-23 22: 26-08-23 22: 26-08-23 22: 26-08-23 22: 26-08-23 22: 26-08-23 22: 26-08-23 22: 27-08-23 03: 27-08-23 03: 27-08-23 05: 27-08-23	200           rel         260           TSP Concentration (µg/m³)           41         44           41         39           41         52           41         54           41         54           41         50           41         46           41         33           41         29           41         29           41         46           41         33           41         35           41         46           41         37           41         46           41         46           41         46           41         46           41         46           41         46           41         44           41         44           41         41           41         44           41         41           41         41           41         39           41         37
Action Level Limit Level 21-08-23 08:13 21-08-23 09:13 21-08-23 10:13 21-08-23 11:13 21-08-23 11:13 21-08-23 12:13 21-08-23 14:13 21-08-23 15:13 21-08-23 15:13 21-08-23 17:13 21-08-23 19:13 21-08-23 19:13 21-08-23 20:13 21-08-23 21:13 21-08-23 21:13 21-08-23 21:13 21-08-23 00:13 22-08-23 00:13 22-08-23 01:13 22-08-23 01	260 TSP Concentration (µg/m³) 28 28 30 30 30 32 32 32 30 28 28 28 28 28 26 28 24 24 24 26 26 22 22 24 26 28 28 28 28 28 28 28 28 28 28	Action Let Limit Let Date and Time 26-08-23 09: 26-08-23 10: 26-08-23 11: 26-08-23 11: 26-08-23 13: 26-08-23 13: 26-08-23 13: 26-08-23 15: 26-08-23 15: 26-08-23 16: 26-08-23 17: 26-08-23 12: 26-08-23 12: 26-08-23 20: 26-08-23 21: 26-08-23 21: 26-08-23 22: 26-08-23 22: 26-08-23 22: 26-08-23 21: 26-08-23 22: 26-08-23 22: 26-08-23 22: 27-08-23 00: 27-08-23 00: 27-08-23 05: 27-08-23 05: 27-0	200           rel         260           TSP Concentration (µg/m³)           41         44           41         39           41         52           41         54           41         54           41         54           41         54           41         54           41         54           41         54           41         29           41         29           41         29           41         29           41         46           41         50           41         35           41         44           41         50           41         44           41         44           41         44           41         39           41         39           41         37           37         37           37         37           37         37           36         43

Date and Time	TSP Concentration (µg/m³)
15-08-23 08:30	32
15-08-23 09:30	34
15-08-23 10:30	34
15-08-23 11:30	32
15-08-23 12:30	32
15-08-23 13:30	32
15-08-23 14:30	30
15-08-23 15:30	30
15-08-23 16:30	30
15-08-23 17:30	28
15-08-23 18:30	24
15-08-23 19:30	24
15-08-23 20:30	26
15-08-23 21:30	26
15-08-23 22:30	26
15-08-23 23:30	24
16-08-23 00:30	22
16-08-23 01:30	22
16-08-23 02:30	26
16-08-23 03:30	26
16-08-23 04:30	24
16-08-23 05:30	22
16-08-23 06:30	28
16-08-23 07:30	26
Average	28
Action Level	200
Limit Level	260

24-hour TSP Impact Monitoring Result for NOD 03-2018 Road Widening and Retrofitting Noise Barriers on Tai Po Road (Sha Tin Section)

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.

67A - Sheung Wo Cl Date and Time	TSP Concentration (µg/m <sup>3</sup> )	Date and Time	TSP Concentration (µg/m <sup>3</sup> )
03-08-23 08:01	22	09-08-23 07:3	
03-08-23 09:01	22	09-08-23 08:3	
03-08-23 10:01	28	09-08-23 09:3	
03-08-23 11:01	22	09-08-23 10:3	
03-08-23 12:01	26	09-08-23 11:3	
03-08-23 13:01	26	09-08-23 12:3	
03-08-23 14:01	20	09-08-23 13:3	
03-08-23 15:01	26	09-08-23 14:3	
03-08-23 16:01	18	09-08-23 15:3	
03-08-23 17:01	20	09-08-23 16:3	
03-08-23 18:01	22	09-08-23 17:3	
03-08-23 19:01	18	09-08-23 18:3	
03-08-23 20:01	22	09-08-23 19:3	
03-08-23 21:01	20	09-08-23 20:3	
03-08-23 22:01	20	09-08-23 21:3	
03-08-23 23:01	20	09-08-23 22:3	
04-08-23 00:01	18	09-08-23 23:3	
04-08-23 00:01	20	10-08-23 00:3	
04-08-23 01:01	20	10-08-23 00:3	
04-08-23 02:01	20	10-08-23 01:3	
04-08-23 03:01	20	10-08-23 02:3	
04-08-23 04:01	20	10-08-23 03:3	
04-08-23 05:01	20	10-08-23 04:3	
04-08-23 07:01	24 22	10-08-23 06:3	
Average Action Loval		Average	
Action Level	171	Action Leve	
Limit Level	1/1 260	Action Leve	
Limit Level	260	Limit Leve	I 260 TSP Concentration (µg/m³)
Limit Level Date and Time	260 TSP Concentration (μg/m³)	Limit Leve Date and Time	I 260 TSP Concentration (μg/m³) I 44
Limit Level Date and Time 21-08-23 7:58	260 TSP Concentration (µg/m³) 32	Limit Leve Date and Time 26-08-23 09:1:	I 260 TSP Concentration (µg/m³) I 44 I 41
Limit Level Date and Time 21-08-23 7:58 21-08-23 8:58	260 TSP Concentration (μg/m <sup>3</sup> ) 32 30	Limit Leve Date and Time 26-08-23 09:1: 26-08-23 10:1:	1 260 TSP Concentration (μg/m³) 1 44 1 41 1 37
Limit Level Date and Time 21-08-23 7:58 21-08-23 8:58 21-08-23 9:58	260 TSP Concentration (μg/m <sup>3</sup> ) 32 30 32	Limit Leve Date and Time 26-08-23 09:1 26-08-23 10:1 26-08-23 11:1	TSP Concentration (μg/m³)           44           41           37           39
Limit Level Date and Time 21-08-23 7:58 21-08-23 8:58 21-08-23 9:58 21-08-23 10:58	260 TSP Concentration (μg/m³) 32 30 32 32 32	Limit Leve <b>Date and Time</b> 26-08-23 09:1: 26-08-23 10:1: 26-08-23 12:1: 26-08-23 12:1:	1 260 TSP Concentration (μg/m <sup>3</sup> ) 4 44 4 41 4 37 4 39 1 50
Limit Level Date and Time 21-08-23 7:58 21-08-23 8:58 21-08-23 9:58 21-08-23 10:58 21-08-23 11:58	260 TSP Concentration (μg/m³) 32 30 32 32 32 32 28	Limit Leve 26-08-23 09:1: 26-08-23 10:1: 26-08-23 12:1: 26-08-23 12:1: 26-08-23 13:1:	I 260 TSP Concentration (μg/m <sup>3</sup> ) I 44 I 41 I 37 I 39 I 50 I 59
Limit Level 21-08-23 7:58 21-08-23 8:58 21-08-23 9:58 21-08-23 9:58 21-08-23 11:58 21-08-23 12:58	260 TSP Concentration (μg/m³) 32 30 32 32 32 28 28 28	Limit Leve <b>Date and Time</b> 26-08-23 09:1: 26-08-23 10:1: 26-08-23 12:1: 26-08-23 12:1: 26-08-23 13:1: 26-08-23 14:1:	I         260           TSP Concentration (μg/m³)           I         44           41         37           I         37           I         50           I         59           I         50
Limit Level 21-08-23 7:58 21-08-23 8:58 21-08-23 9:58 21-08-23 10:58 21-08-23 11:58 21-08-23 12:58 21-08-23 13:58	260 TSP Concentration (μg/m³) 32 30 32 32 32 28 28 28 26	Limit Leve Date and Time 26-08-23 09:1 26-08-23 10:1 26-08-23 11:1 26-08-23 12:1 26-08-23 13:1 26-08-23 14:1 26-08-23 15:1	TSP Concentration (µg/m³)           44           41           37           50           59           50           50           44
Limit Level 21-08-23 7:58 21-08-23 8:58 21-08-23 9:58 21-08-23 10:58 21-08-23 11:58 21-08-23 12:58 21-08-23 13:58 21-08-23 14:58	260 TSP Concentration (μg/m³) 32 30 32 32 32 28 28 28 26 30	Limit Leve Date and Time 26-08-23 09:1: 26-08-23 10:1: 26-08-23 12:1: 26-08-23 13:1: 26-08-23 13:1: 26-08-23 14:1: 26-08-23 15:1: 26-08-23 16:1:	TSP Concentration (μg/m³)           44           41           37           50           59           50           50           46           44
Limit Level 21-08-23 7:58 21-08-23 8:58 21-08-23 9:58 21-08-23 10:58 21-08-23 12:58 21-08-23 12:58 21-08-23 13:58 21-08-23 13:58 21-08-23 15:58	260 TSP Concentration (μg/m³) 32 30 32 32 32 28 28 28 26 30 30 30	Limit Leve Date and Time 26-08-23 09:1: 26-08-23 10:1: 26-08-23 12:1: 26-08-23 12:1: 26-08-23 13:1: 26-08-23 14:1: 26-08-23 15:1: 26-08-23 16:1: 26-08-23 16:1: 26-08-23 18:1:	TSP Concentration (μg/m³)           44           41           37           50           59           50           46           44           41
Limit Level 21-08-23 7:58 21-08-23 8:58 21-08-23 10:58 21-08-23 10:58 21-08-23 11:58 21-08-23 12:58 21-08-23 13:58 21-08-23 14:58 21-08-23 16:58 21-08-23 15:58 21-08-23 17:58	260 TSP Concentration (μg/m³) 32 30 32 32 28 28 28 28 26 30 30 30 28	Limit Leve Date and Time 26-08-23 09:1: 26-08-23 10:1: 26-08-23 11:1: 26-08-23 13:1: 26-08-23 14:1: 26-08-23 14:1: 26-08-23 15:1: 26-08-23 17:1: 26-08-23 17:1: 26-08-23 17:1:	I         260           TSP Concentration (μg/m³)           4         44           41         37           39         50           59         50           46         44           44         41           37         39           1         50           4         37
Limit Level 21-08-23 7:58 21-08-23 8:58 21-08-23 9:58 21-08-23 10:58 21-08-23 11:58 21-08-23 12:58 21-08-23 13:58 21-08-23 14:58 21-08-23 15:58 21-08-23 15:58 21-08-23 15:58 21-08-23 18:58	260 TSP Concentration (μg/m³) 32 30 32 32 28 28 26 30 30 30 28 30 28 30 28 30 28 30 28 30 30 30 28 30 30 32 32 32 32 32 32 32 32 32 32	Limit Leve Date and Time 26-08-23 09:1 26-08-23 10:1 26-08-23 11:1 26-08-23 11:1 26-08-23 14:1 26-08-23 14:1 26-08-23 14:1 26-08-23 17:1 26-08-23 17:1 26-08-23 19:1 26-08-23 20:1 26-08-23	I         260           TSP Concentration (µg/m³)           I         44           41         37           I         37           I         50           I         59           I         50           I         46           44         41           1         37           I         37           I         37           I         37
Limit Level 21-08-23 7:58 21-08-23 8:58 21-08-23 10:58 21-08-23 10:58 21-08-23 11:58 21-08-23 12:58 21-08-23 13:58 21-08-23 14:58 21-08-23 16:58 21-08-23 15:58 21-08-23 17:58	260 TSP Concentration (μg/m³) 32 30 32 32 28 28 26 30 30 28 30 30 28 30	Limit Leve Date and Time 26-08-23 09:1: 26-08-23 10:1: 26-08-23 11:1: 26-08-23 12:1: 26-08-23 13:1: 26-08-23 15:1: 26-08-23 15:1: 26-	TSP Concentration (µg/m³)           44           41           37           50           59           46           44           37           39           50           1           37           37           46           41           37           43           37           48
Limit Level 21-08-23 7:58 21-08-23 8:58 21-08-23 9:58 21-08-23 10:58 21-08-23 11:58 21-08-23 12:58 21-08-23 13:58 21-08-23 14:58 21-08-23 15:58 21-08-23 16:58 21-08-23 17:58 21-08-23 18:58 21-08-23 19:58	260 TSP Concentration (μg/m³) 32 30 32 32 28 28 26 30 30 28 30 28 30 28 30 28 30 28 30 28 30 28 30 28 30 28 30 30 32 32 32 32 32 32 32 32 32 32	Limit Leve Date and Time 26-08-23 09:1: 26-08-23 10:1: 26-08-23 11:1: 26-08-23 12:1: 26-08-23 13:1: 26-08-23 14:1: 26-08-23 16:1: 26-08-23 16:1: 26-08-23 19:1: 26-08-23 19:1: 26-08-23 19:1: 26-08-23 20:1: 26-08-23 21:1: 26-08-23 10:1: 26-08-23 21:1: 26-08-23 21:1: 26-	TSP Concentration (µg/m³)           44           41           37           50           59           50           46           41           37           39           50           46           41           37           48           50
Limit Level 21-08-23 7:58 21-08-23 8:58 21-08-23 9:58 21-08-23 10:58 21-08-23 12:58 21-08-23 12:58 21-08-23 13:58 21-08-23 13:58 21-08-23 15:58 21-08-23 16:58 21-08-23 17:58 21-08-23 19:58 21-08-23 19:58 21-08-23 19:58 21-08-23 20:58 21-08-23 21:58	260 TSP Concentration (μg/m³) 32 30 32 32 28 28 28 26 30 30 28 30 28 30 28 30 28 30 28 30 28 30 28 30 28 30 28 30 30 28 30 30 32 32 32 32 32 32 32 32 32 32	Limit Leve Date and Time 26-08-23 09:1: 26-08-23 10:1: 26-08-23 12:1: 26-08-23 12:1: 26-08-23 13:1: 26-08-23 14:1: 26-08-23 14:1: 26-08-23 14:1: 26-08-23 14:1: 26-08-23 19:1: 26-08-23 19:1: 26-08-23 19:1: 26-08-23 21:1: 26-08-23 14:1: 26-08-23 21:1: 26-08-23 21:1: 26-	TSP Concentration (µg/m³)           44           41           37           50           59           50           46           41           37           39           43           50           46           44           43           44           45           44           44           44           44           44           44           44           44           44           44           44           44           44           44           44           44           44           44           48           50           48
Limit Level 21-08-23 7:58 21-08-23 8:58 21-08-23 9:58 21-08-23 10:58 21-08-23 11:58 21-08-23 12:58 21-08-23 13:58 21-08-23 13:58 21-08-23 15:58 21-08-23 16:58 21-08-23 16:58 21-08-23 17:58 21-08-23 19:58 21-08-23 19:58 21-08-23 21:58 21-08-23 21:58 21-08-23 22:58	260 TSP Concentration (μg/m³) 32 30 32 28 28 28 26 30 30 28 30 28 30 28 30 28 30 28 30 28 30 28 30 28 30 28 30 28 26 30 32 24 24 24	Limit Leve Date and Time 26-08-23 09:1 26-08-23 10:1 26-08-23 11:1 26-08-23 11:1 26-08-23 12:1 26-08-23 14:1 26-08-23 15:1 26-08-23 15:1 26-08-23 15:1 26-08-23 19:1 26-08-23 19:1 26-08-23 19:1 26-08-23 21:1 26-08-23 10:1 26-08-23 21:1 26-08-23	I         260           TSP Concentration (μg/m³)           1         44           41         37           1         37           2         50           1         59           1         50           1         46           44         41           1         37           1         37           1         37           1         37           1         37           1         37           1         48           48         46
Limit Level 21-08-23 7:58 21-08-23 8:58 21-08-23 9:58 21-08-23 10:58 21-08-23 11:58 21-08-23 12:58 21-08-23 13:58 21-08-23 14:58 21-08-23 15:58 21-08-23 18:58 21-08-23 19:58 21-08-23 19:58 21-08-23 19:58 21-08-23 19:58 21-08-23 19:58 21-08-23 19:58 21-08-23 20:58 21-08-23 20:58 21-08-23 23:58	260 TSP Concentration (μg/m³) 32 30 32 28 28 26 30 30 28 30 28 30 28 30 28 26 24 24 24 24 26	Limit Leve 26-08-23 09:1: 26-08-23 10:1: 26-08-23 11:1: 26-08-23 12:1: 26-08-23 13:1: 26-08-23 14:1: 26-08-23 14:1: 26-08-23 15:1: 26-08-23 17:1: 26-08-23 20:1: 26-08-23 17:1: 26-08-23 17:1: 27-08-23 10:1: 27-08-23 10:1: 27	TSP Concentration (µg/m³)           44           41           37           50           59           46           44           37           46           44           45           46           44           44           44           44           45           48           48           46           48           46           44           44
Limit Level 21-08-23 7:58 21-08-23 8:58 21-08-23 9:58 21-08-23 10:58 21-08-23 11:58 21-08-23 12:58 21-08-23 13:58 21-08-23 13:58 21-08-23 15:58 21-08-23 16:58 21-08-23 16:58 21-08-23 19:58 21-08-23 19:58 21-08-23 19:58 21-08-23 21:58 21-08-23 21:58 21-08-23 21-08-28 21	260 TSP Concentration (μg/m³) 32 30 32 32 28 28 26 30 30 28 30 28 30 28 30 28 30 28 30 28 30 28 30 28 30 28 30 28 26 30 30 28 30 30 30 30 30 30 30 30 30 30	Limit Leve Date and Time 26-08-23 09:1: 26-08-23 10:1: 26-08-23 11:1: 26-08-23 12:1: 26-08-23 13:1: 26-08-23 14:1: 26-08-23 16:1: 26-08-23 16:1: 26-08-23 19:1: 26-08-23 19:1: 26-08-23 20:1: 26-08-23 21:1: 26-08-23 22:1: 26-08-23 22:1: 26-08-23 22:1: 26-08-23 22:1: 26-08-23 22:1: 26-08-23 22:1: 26-08-23 22:1: 26-08-23 22:1: 26-08-23 22:1: 26-08-23 22:1: 27-08-23 01:1: 27-08-23 01:1: 27-	TSP Concentration (µg/m³)           44           41           37           50           59           46           44           37           46           44           450           46           44           45           46           44           41           37           48           50           48           46           44           437
Limit Level 21-08-23 7:58 21-08-23 9:58 21-08-23 10:58 21-08-23 11:58 21-08-23 11:58 21-08-23 12:58 21-08-23 13:58 21-08-23 13:58 21-08-23 15:58 21-08-23 16:58 21-08-23 16:58 21-08-23 19:58 21-08-23 19:58 21-08-23 12:58 21-08-23 21:58 21-08-23 22:58 21-08-23 23:58 22-08-23 1:58	260 TSP Concentration (μg/m³) 32 30 32 32 28 26 30 30 28 30 28 30 28 30 28 30 28 30 28 26 24 24 24 24 24 24 24 24 22	Limit Leve Date and Time 26-08-23 09:1: 26-08-23 09:1: 26-08-23 11:1: 26-08-23 13:1: 26-08-23 13:1: 26-08-23 14:1: 26-08-23 16:1: 26-08-23 16:1: 26-08-23 19:1: 26-08-23 19:1: 26-08-23 29:1: 26-08-23 29:1: 26-08-23 29:1: 26-08-23 29:1: 26-08-23 29:1: 26-08-23 29:1: 26-08-23 29:1: 26-08-23 29:1: 26-08-23 29:1: 26-08-23 29:1: 27-08-23 00:1: 27-08-23 00:1: 27-	TSP Concentration (µg/m³)           44           41           37           39           50           59           46           44           37           39           50           46           44           45           46           44           41           37           48           50           48           44           43           37           48           43           37           37           37           37           37           37           37           37           37           37           39           37
Limit Level 21-08-23 7:58 21-08-23 8:58 21-08-23 10:58 21-08-23 10:58 21-08-23 11:58 21-08-23 12:58 21-08-23 12:58 21-08-23 12:58 21-08-23 12:58 21-08-23 12:58 21-08-23 12:58 21-08-23 12:58 21-08-23 21:58 21-08-23 21:58 21-08-23 22:58 21-08-23 23:58 22-08-23 12:58 22-08-23 22:58 22-08-23 22:58 22-08-23 22-08-23 22-08-25 22-08-23 22-08-23 2	260 TSP Concentration (μg/m³) 32 30 32 28 28 26 30 30 28 30 28 30 28 30 28 26 24 24 24 24 22 24	Limit Leve Date and Time 26-08-23 09:1: 26-08-23 10:1: 26-08-23 11:1: 26-08-23 12:1: 26-08-23 13:1: 26-08-23 14:1: 26-08-23 14:1: 26-08-23 14:1: 26-08-23 14:1: 26-08-23 19:1: 26-08-23 20:1: 26-08-23 20:1: 26-08-23 20:1: 27-08-23 00:1: 27-08-23 01:1: 27-08-23 01:1: 27-	I         260           TSP Concentration (µg/m³)           1         44           41         37           1         37           50         50           1         50           1         50           1         50           1         50           1         46           44         41           37         48           50         48           1         50           4         44           37         48           1         37           1         37           1         37           1         37
Limit Level 21-08-23 7:58 21-08-23 9:58 21-08-23 10:58 21-08-23 10:58 21-08-23 11:58 21-08-23 12:58 21-08-23 13:58 21-08-23 14:58 21-08-23 15:58 21-08-23 15:58 21-08-23 17:58 21-08-23 19:58 21-08-23 19:58 21-08-23 21:58 21-08-23 23:58 22-08-23 0:58 22-08-23 0:58 22-08-23 3:58 22-08-23 3	260 TSP Concentration (μg/m³) 32 30 32 28 28 26 30 30 28 30 28 30 28 30 28 30 28 26 24 24 24 24 24 24 24 22 24 26 24 22 24 26	Limit Leve 26-08-23 09:1: 26-08-23 10:1: 26-08-23 11:1: 26-08-23 11:1: 26-08-23 11:1: 26-08-23 13:1: 26-08-23 14:1: 26-08-23 14:1: 26-08-23 14:1: 26-08-23 14:1: 26-08-23 12:1: 26-08-23 21:1: 26-08-23 21:1: 26-08-23 21:1: 26-08-23 21:1: 27-08-23 00:1: 27-08-23 01:1: 27-08-23 01:1: 27	I         260           TSP Concentration (µg/m³)           I         44           41         37           I         37           I         59           I         50           I         59           I         46           44         41           1         37           I         48           I         48           I         46           48         50           I         48           I         37           I         37           I         37           I         37           I         37
Limit Level 21-08-23 7:58 21-08-23 9:58 21-08-23 10:58 21-08-23 11:58 21-08-23 11:58 21-08-23 12:58 21-08-23 13:58 21-08-23 14:58 21-08-23 15:58 21-08-23 17:58 21-08-23 19:58 21-08-23 19:58 21-08-23 20:58 21-08-23 23:58 21-08-23 23:58 22-08-23 3:58 22-08-23 3	260 TSP Concentration (μg/m³) 32 30 32 28 28 26 30 30 28 30 28 30 28 26 24 24 24 24 24 24 22 24 22 24 26 23 28 26 28 28 26 30 30 30 30 30 30 30 30 30 30	Limit Leve Date and Time 26-08-23 09:1: 26-08-23 10:1: 26-08-23 11:1: 26-08-23 12:1: 26-08-23 13:1: 26-08-23 14:1: 26-08-23 14:1: 26-08-23 15:1: 26-08-23 17:1: 26-08-23 17:1: 27-08-23 10:1: 27-08-23 01:1: 27-08-23 03:1: 27-08-23 03:1: 27-08-23 05:1: 27-08-23 05:1: 27-	TSP Concentration (µg/m³)           44           41           37           50           59           46           44           37           46           44           450           46           44           41           50           46           44           41           37           48           46           44           37           37           37           37           37           37           37           37           37           37           37           37           37           37           37           46
Limit Level 21-08-23 7:58 21-08-23 8:58 21-08-23 10:58 21-08-23 11:58 21-08-23 11:58 21-08-23 12:58 21-08-23 13:58 21-08-23 13:58 21-08-23 14:58 21-08-23 15:58 21-08-23 15:58 21-08-23 12:58 21-08-23 12:58 21-08-23 21:58 21-08-23 21:58 21-08-23 21:58 21-08-23 2:58 22-08-23 3:58 22-08-23 5:58 22-08-23 5:58 22-08-235	260 TSP Concentration (μg/m³) 32 30 32 32 28 28 26 30 30 28 30 28 30 28 30 28 26 24 24 24 24 24 26 24 22 24 26 24 26 24 26 24 26 24 26 24 26 24 26 24 26 24 26 24 26 28 28 28 28 28 28 28 28 28 28	Limit Leve Date and Time 26-08-23 09:1: 26-08-23 10:1: 26-08-23 11:1: 26-08-23 13:1: 26-08-23 13:1: 26-08-23 14:1: 26-08-23 16:1: 26-08-23 16:1: 26-08-23 16:1: 26-08-23 19:1: 26-08-23 19:1: 26-08-23 20:1: 26-08-23 20:1: 26-08-23 20:1: 27-08-23 00:1: 27-08-23 00:1: 27-08-23 01:1: 27-08-23 01:1: 27-	TSP Concentration (µg/m³)           44           41           37           50           59           46           41           37           46           44           37           46           44           37           46           43           37           37           48           50           48           37           48           37           37           46           44           37           46           44           37           46           47
Limit Level 21-08-23 7:58 21-08-23 10:58 21-08-23 10:58 21-08-23 11:58 21-08-23 11:58 21-08-23 13:58 21-08-23 13:58 21-08-23 13:58 21-08-23 14:58 21-08-23 17:58 21-08-23 17:58 21-08-23 17:58 21-08-23 17:58 21-08-23 12:58 21-08-23 21:58 21-08-23 21:58 21-08-23 23:58 22-08-23 3:58 22-08-23 3:58 22-08-23 5:58 22-08-23 5:58 22-08-2	260 TSP Concentration (μg/m³) 32 30 32 28 28 26 30 30 28 30 28 30 28 26 24 24 24 24 24 24 24 24 22 24 26 24 22 24 26 28 26 24 22 24 26 28 28 28 26 28 28 28 28 28 28 28 28 28 28	Limit Leve Date and Time 26-08-23 09:1 26-08-23 10:1 26-08-23 11:1 26-08-23 12:1 26-08-23 13:1 26-08-23 14:1 26-08-23 14:1 26-08-23 14:1 26-08-23 14:1 26-08-23 19:1 26-08-23 19:1 26-08-23 20:1 26-08-23 20:1 27-08-23 00:1 27-08-23 01:1 27-08-23 05:1 27-08-23	I         260           TSP Concentration (µg/m³)           44         41           37         39           50         59           50         50           46         44           41         37           46         44           41         37           50         46           44         41           37         48           50         48           46         44           37         37           46         39           37         46           47         50
Limit Level 21-08-23 7:58 21-08-23 8:58 21-08-23 10:58 21-08-23 11:58 21-08-23 11:58 21-08-23 12:58 21-08-23 13:58 21-08-23 14:58 21-08-23 15:58 21-08-23 15:58 21-08-23 15:58 21-08-23 19:58 21-08-23 19:58 21-08-23 20:58 21-08-23 21:58 21-08-23 21:58 21-08-23 23:58 22-08-23 3:58 22-08-23 5:58 22-08-23	260 TSP Concentration (μg/m³) 32 30 32 32 28 28 26 30 30 28 30 28 30 28 30 28 26 24 24 24 24 24 26 24 22 24 26 24 26 24 26 24 26 24 26 24 26 24 26 24 26 24 26 24 26 28 28 28 28 28 28 28 28 28 28	Limit Leve Date and Time 26-08-23 09:1: 26-08-23 10:1: 26-08-23 11:1: 26-08-23 13:1: 26-08-23 13:1: 26-08-23 14:1: 26-08-23 16:1: 26-08-23 16:1: 26-08-23 16:1: 26-08-23 19:1: 26-08-23 19:1: 26-08-23 20:1: 26-08-23 20:1: 26-08-23 20:1: 27-08-23 00:1: 27-08-23 00:1: 27-08-23 01:1: 27-08-23 01:1: 27-	I         260           TSP Concentration (µg/m³)           44         41           37         39           50         50           59         50           46         44           41         37           50         46           44         41           37         46           44         41           37         48           50         48           46         44           37         37           37         37           37         37           46         47           50         44

24-hour TSP Impact Monitoring Result for
NOD 03-2018 Road Widening and Retrofitting Noise Barriers on Tai Po Road (Sha Tin Section)

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.

Date and Time	TSP Concentration (µg/m <sup>3</sup> )
15-08-23 08:04	30
15-08-23 09:04	28
15-08-23 10:04	30
15-08-23 11:04	30
15-08-23 12:04	28
15-08-23 13:04	26
15-08-23 14:04	28
15-08-23 15:04	30
15-08-23 16:04	30
15-08-23 17:04	28
15-08-23 18:04	28
15-08-23 19:04	32
15-08-23 20:04	24
15-08-23 21:04	27
15-08-23 22:04	24
15-08-23 23:04	24
16-08-23 00:04	27
16-08-23 01:04	26
16-08-23 02:04	28
16-08-23 03:04	28
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Limit Level	260	Limit Level	260
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Action Level	168
Limit Level	260

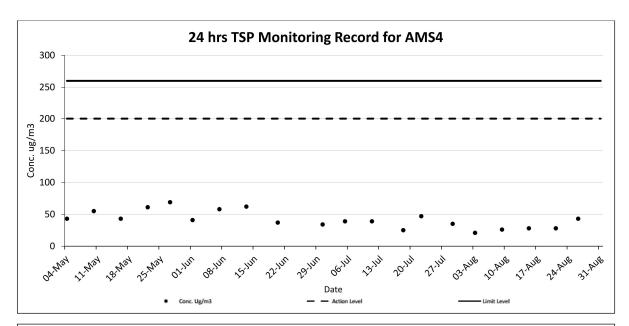
1. Actual monitoring may be subjected to change due to any safety concern or adverse weather condition.
 2. The Impact Air Monitoring Stations to be monitored should be selected based on the prevailing wind direction and their proximity to the active construction works.

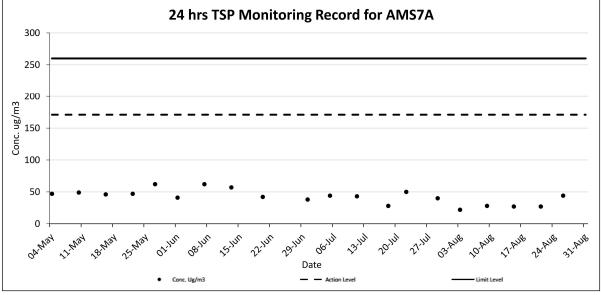
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04-08-23 02:32	27	10-08-23 03:02	22
04-08-23 03:32	29	10-08-23 04:02	20
04-08-23 04:32	27	10-08-23 05:02	20
04-08-23 05:32	25	10-08-23 06:02	22
04-08-23 06:32	25	10-08-23 07:02	30
Average	24	Average	28
Action Level	171	Action Level	171
Limit Level	260	Limit Level	260
Linit Level	200	Linit Level	200
ate and Time	TSP Concentration (µg/m <sup>3</sup> )	Date and Time	TSP Concentration (µg/m <sup>3</sup> )
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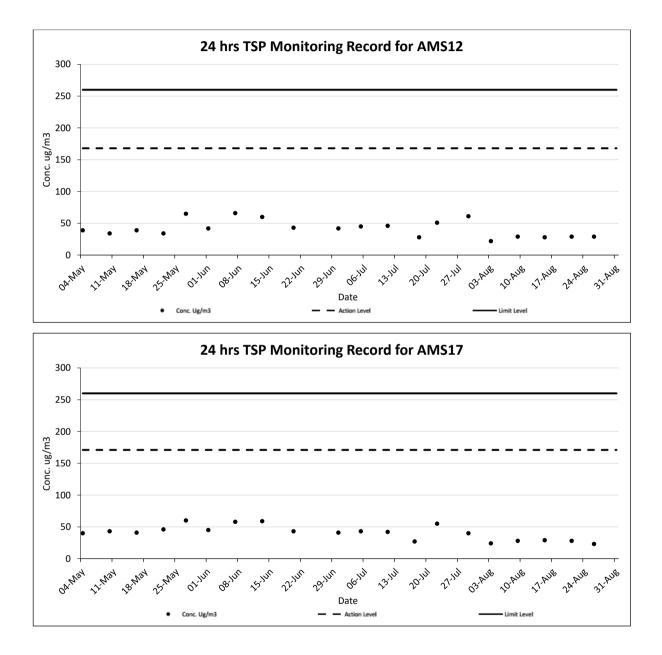
24-hour TSP Impact Monitoring Result for NOD 03-2018 Road Widening and Retrofitting Noise Barriers on Tai Po Road (Sha Tin Section)

> Date and Time TSP Concentration (µg/m<sup>3</sup>) 15-08-23 07:52 33 15-08-23 08:52 29 15-08-23 09:52 33 15-08-23 10:52 25 15-08-23 11:52 31 29 33 15-08-23 12:52 15-08-23 13:52 15-08-23 14:52 25 15-08-23 15:52 29 15-08-23 16:52 29 15-08-23 17:52 31 15-08-23 18:52 27 15-08-23 19:52 25 15-08-23 20:52 15-08-23 21:52 25 31 29 15-08-23 22:52 15-08-23 23:52 25 16-08-23 00:52 29 16-08-23 01:52 31 16-08-23 02:52 27 25 16-08-23 03:52 29 29 16-08-23 04:52 16-08-23 05:52 16-08-23 06:52 25 29 Average Action Level 171 Limit Level 260

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.







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 G

**Noise Monitoring Data** 

# **Impact Noise Monitoring Result for** NOD 03-2018 Road Widening and Retrofitting Noise Barriers on Tai Po Road (Sha Tin Section)

#### **NMS 1 Scenery Court**

Date	Start Time	-		loise Level Limit Level Construction Noise Level		Weather	Wind Speed	
Date	Start Time	►eq	L <sub>90</sub>	L <sub>10</sub> Uni	t: dB(A) 30 Mi	ns		(m/s)
03-Aug-23	13:49	62.4	59.5	64.0	75	62.4	Fine	0.2
09-Aug-23	16:57	66.4	63.0	67.5	75	66.4	Sunny	0.3
15-Aug-23	13:49	61.6	58.5	63.0	75	61.6	Overcast	0.2
21-Aug-23	16:58	65.7	62.5	66.0	75	65.7	Fine	0.3

#### NMS 2 Villa Le Parc

		Meas	Measured Noise Level			Construction Noise Level		Wind
Date	Start Time	$L_{eq}$	L <sub>90</sub>	L <sub>10</sub>	Limit Level	Construction Noise Lever	Weather	Speed
				Uni	t: dB(A) 30 Mi	ns		(m/s)
03-Aug-23	13:07	53.7	50.5	55.0	75	53.7	Fine	0.2
09-Aug-23	8:03	55.3	53.0	57.0	75	55.3	Sunny	0.5
15-Aug-23	13:05	54.3	52.0	55.5	75	54.3	Overcast	0.4
21-Aug-23	8:30	54.7	52.0	56.0	75	54.7	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>	Linni Levei	Construction Noise Level	Weather	Speed
				Uni	t: dB(A) 30 Mi	ns		(m/s)
03-Aug-23	9:56	63.1	61.0	65.5	75	63.1	Fine	0.3
09-Aug-23	16:18	64.2	62.5	67.5	75	64.2	Sunny	0.4
15-Aug-23	11:01	66.5	63.5	68.0	75	66.5	Overcast	1.3
21-Aug-23	16:12	66.4	63.5	67.0	75	66.4	Fine	0.5

#### NMS 4 Tin Liu

		Meas	Measured Noise 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	ns	1	(m/s)
03-Aug-23	9:10	65.0	62.0	66.0	75	65.0	Fine	0.2
09-Aug-23	8:46	64.8	61.0	67.0	75	64.8	Sunny	0.0
15-Aug-23	8:48	64.2	61.0	66.5	75	64.2	Overcast	0.2
21-Aug-23	9:12	65.8	61.0	67.0	75	65.8	Fine	0.4

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

		Meas	Measured Noise Level Limit Level Construction Noise Level			Wind		
Date	Start Time	L <sub>eq</sub>	L <sub>90</sub>	L <sub>10</sub>	Linit Level	Construction Noise Level	Weather	Speed
				Uni	t: dB(A) 30 Mi	ns	Ī	(m/s)
03-Aug-23	10:18	68.7	65.0	70.0	75	68.7	Fine	0.5
09-Aug-23	15:42	69.7	66.5	71.5	75	69.7	Sunny	0.0
15-Aug-23	10:22	68.3	64.5	70.5	75	68.3	Overcast	0.6
21-Aug-23	15:31	69.7	66.5	72.0	75	69.7	Fine	0.5

## 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>	Linin Level	Construction Noise Level	Weather	Speed
				Uni	it: dB(A) 30 Mii	ns	1	(m/s)
03-Aug-23	9:42	74.6	72.0	76.5	75	74.6	Fine	0.6
09-Aug-23	15:03	73.6	69.5	75.5	75	73.6	Sunny	0.0
15-Aug-23	9:48	73.7	70.5	75.5	75	73.7	Overcast	0.6
21-Aug-23	14:54	71.8	68.5	74.5	75	71.8	Fine	0.3

#### NMS 7 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>	Limit Level	Construction Noise Level	Weather	Speed
				Uni	t: dB(A) 30 Mi	ns		(m/s)
03-Aug-23	9:45	66.4	63.5	68.5	75	66.4	Fine	0.2
09-Aug-23	9:28	67.8	63.0	70.5	75	67.8	Sunny	0.0
15-Aug-23	9:36	65.7	63.5	68.5	75	65.7	Overcast	0.2
21-Aug-23	9:52	67.2	63.5	69.5	75	67.2	Fine	0.0

#### **NMS 8 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>	Linni Lever	Construction Noise Level	Weather	Speed
				Uni	t: dB(A) 30 Mi	ns		(m/s)
04-Aug-23	8:34	64.8	62.0	66.5	75	64.8	Fine	0.3
10-Aug-23	17:34	66.3	64.0	68.3	75	66.3	Fine	0.0
16-Aug-23	8:30	66.4	64.5	69.0	75	66.4	Fine	0.6
22-Aug-23	17:57	67.2	65.0	69.5	75	67.2	Fine	0.4

## **NMS 9 Lek Yuen Estate**

		Measured 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	it: dB(A) 30 Mi	ns		(m/s)
04-Aug-23	9:47	64.7	59.5	66.5	75	64.7	Fine	0.4
10-Aug-23	8:30	67.3	65.0	69.5	75	67.3	Fine	0.0
16-Aug-23	9:48	67.8	65.0	70.0	75	67.8	Fine	0.6
22-Aug-23	8:30	68.3	65.0	70.5	75	68.3	Fine	0.2

# NMS 10A Shatin Tsung Tsin School

		Meas	ured Noise	Level	Limit Level	Construction Noise Level		Wind
Date	Start Time $L_{eq}$ $L_{90}$ $L_{10}$	Weather	Speed					
				Uni	t: dB(A) 30 Mii	ns		(m/s)
04-Aug-23	10:30	64.5	62.0	66.0	70	64.5	Fine	0.4
10-Aug-23	9:12	66.7	63.0	68.0	70	66.7	Fine	0.2
16-Aug-23	10:33	66.2	63.0	68.5	70	66.2	Fine	0.6
22-Aug-23	9:13	65.8	63.0	68.0	70	65.8	Fine	0.3

\*Note: The school calender was provide in Appendix E.

## NMS 11 Sheung Wo Che

Date	Start Time	Meas L <sub>eq</sub>	ured Noise L <sub>90</sub>	Level	Limit Level Construction Noise Level		Weather	Wind Speed
				Uni	t: dB(A) 30 Mi	ns		(m/s)
04-Aug-23	15:55	62.3	59.5	66.0	75	62.3	Fine	0.4
10-Aug-23	15:36	65.5	62.0	68.0	75	65.5	Fine	0.2
16-Aug-23	15:58	64.7	62.5	67.5	75	64.7	Fine	0.6
22-Aug-23	15:56	65.5	62.5	68.0	75	65.5	Fine	0.2

# NMS 12 SKH Holy Spirit Primary School

		Meas	ured Noise	Level	Limit Level	Construction Noise Level		Wind
Date S	Start Time	L <sub>eq</sub>	L <sub>90</sub>	L <sub>10</sub>	Linni Levei	Construction Noise Level	Weather	Speed
				Uni	t: dB(A) 30 Mii	ns		(m/s)
04-Aug-23	11:12	63.6	60.0	65.5	70	63.6	Fine	0.2
10-Aug-23	9:56	64.7	63.5	68.0	70	64.7	Fine	0.0
16-Aug-23	11:14	66.3	63.5	69.0	70	66.3	Fine	0.6
22-Aug-23	9:48	66.7	63.0	69.0	70	66.7	Fine	0.2

\*Note: The school calender was provide in Appendix E.

## NMS 13 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
				Uni	t: dB(A) 30 Mi	ns	T I	(m/s)
04-Aug-23	13:09	61.3	58.0	63.0	75	61.3	Fine	0.0
10-Aug-23	10:41	68.2	65.5	71.0	75	68.2	Fine	0.2
16-Aug-23	13:12	68.2	66.0	71.5	75	68.2	Fine	0.6
22-Aug-23	10:26	68.2	66.5	71.5	75	68.2	Fine	0.2

## NMS 14 Sheung Wo Che

		Meas	ured Noise	Level	Limit Level	Construction Noise Level		Wind
Date Star	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)
04-Aug-23	15:20	65.4	61.0	69.0	75	65.4	Fine	0.3
10-Aug-23	14:58	59.4	57.5	61.0	75	59.4	Fine	0.0
16-Aug-23	15:24	59.7	57.0	67.5	75	59.7	Fine	0.6
22-Aug-23	15:08	59.2	57.0	61.5	75	59.2	Fine	0.2

# 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
				Uni	t: dB(A) 30 Mi	ns	1	(m/s)
03-Aug-23	10:30	64.8	61.0	65.5	75	64.8	Fine	0.2
09-Aug-23	13:00	63.3	59.5	65.0	75	63.3	Sunny	0.5
15-Aug-23	10:52	63.8	60.0	63.5	75	63.8	Overcast	0.2
21-Aug-23	13:00	63.1	59.5	65.0	75	63.1	Fine	0.3

# 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>		Construction Noise Level	Weather	Speed
			Unit: dB(A) 30 Mins					(m/s)
03-Aug-23	11:08	66.2	63.0	68.0	75	66.2	Fine	0.2
09-Aug-23	13:41	62.4	59.0	64.5	75	62.4	Sunny	0.0
15-Aug-23	11:31	61.3	58.0	64.0	75	61.3	Overcast	0.2
21-Aug-23	13:34	61.2	58.0	67.5	75	61.2	Fine	0.2

# NMS 17 Shatin Pui Ying College

Date	Start Time	Meas L <sub>eq</sub>	ured Noise L <sub>90</sub>	Level	Limit Level	Construction Noise Level	Weather	Wind Speed
				Uni	t: dB(A) 30 Mi	ns		(m/s)
04-Aug-23	13:58	61.9	59.0	65.5	70	61.9	Fine	0.5
10-Aug-23	13:00	68.1	64.5	71.0	70	68.1	Fine	0.0
16-Aug-23	14:00	66.8	64.5	69.0	70	66.8	Fine	0.6
22-Aug-23	13:00	68.7	65.0	70.0	70	68.7	Fine	0.2

\*Note: The school calender was provide in Appendix E.

# 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>	Linnit Level	Construction Noise Level	Weather	Speed
				(m/s)				
03-Aug-23	11:45	65.1	61.0	66.5	75	65.1	Fine	0.2
09-Aug-23	14:24	63.0	58.0	64.0	75	63.0	Sunny	0.0
15-Aug-23	13:00	67.4	59.0	64.5	75	67.4	Overcast	0.2
21-Aug-23	14:13	63.4	58.0	65.0	75	63.4	Fine	0.3

#### NMS 19 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
			Unit: dB(A) 30 Mins					(m/s)
04-Aug-23	13:33	62.6	59.5	64.5	75	62.6	Fine	0.6
10-Aug-23	13:42	67.4	66.0	68.0	75	67.4	Fine	0.0
16-Aug-23	13:36	68.2	59.0	65.5	75	68.2	Fine	0.6
22-Aug-23	13:42	68.7	66.5	71.0	75	68.7	Fine	0.2

#### 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>	Linnit Lever	Construction Noise Level	Weather	Speed
				Uni	t: dB(A) 30 Mi		(m/s)	
04-Aug-23	14:05	65.1	63.5	69.5	75	65.1	Fine	0.2
10-Aug-23	14:21	64.3	59.5	66.0	75	64.3	Fine	0.2
16-Aug-23	14:09	63.4	59.0	65.5	75	63.4	Fine	0.6
22-Aug-23	14:28	62.8	57.5	64.0	75	62.8	Fine	0.2

## 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>	Linni Lever	Construction Noise Level	Weather	Speed
		Unit: dB(A) 30 Mins						(m/s)
03-Aug-23	12:35	64.0	61.5	65.5	75	64.0	Fine	0.2
09-Aug-23	10:21	62.4	60.0	65.0	75	62.4	Sunny	0.0
15-Aug-23	10:13	63.2	60.5	65.5	75	63.2	Overcast	0.2
21-Aug-23	10:32	63.2	60.5	66.0	75	63.2	Fine	0.3

## 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>		Construction Noise Level	Weather	Speed
				Uni		(m/s)		
04-Aug-23	9:08	63.3	60.5	65.0	75	63.3	Fine	0.0
10-Aug-23	16:52	69.3	66.0	72.5	75	69.3	Fine	0.0
16-Aug-23	9:13	67.2	65.5	70.0	75	67.2	Fine	0.6
22-Aug-23	17:16	68.8	65.5	70.5	75	68.8	Fine	0.2

## 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>	Linnt Level	Construction Noise Level	Weather	Speed
					(m/s)			
04-Aug-23	16:28	66.9	64.0	70.0	75	66.9	Fine	0.3
10-Aug-23	16:13	67.1	65.0	69.5	75	67.1	Fine	0.0
16-Aug-23	16:30	67.8	64.5	69.0	75	67.8	Fine	0.6
22-Aug-23	16:38	66.2	63.0	69.5	75	66.2	Fine	0.2

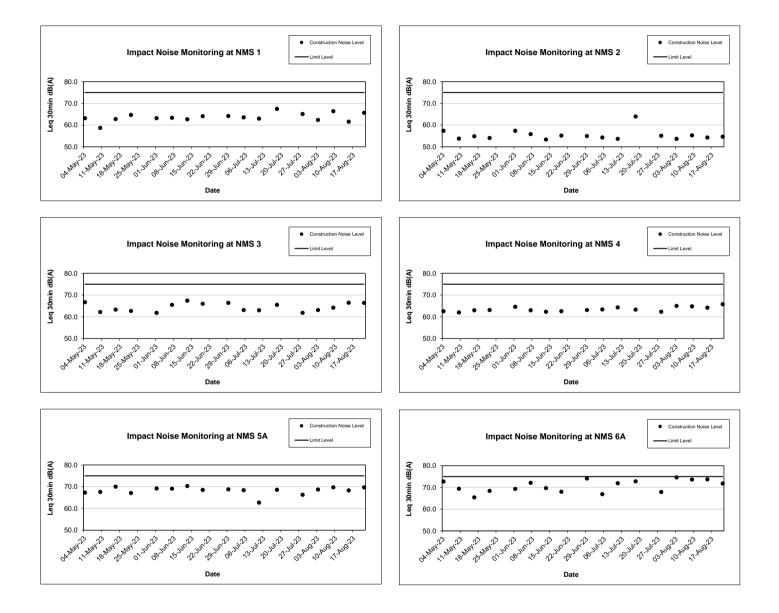
# NMS 26 Wo Che Estate

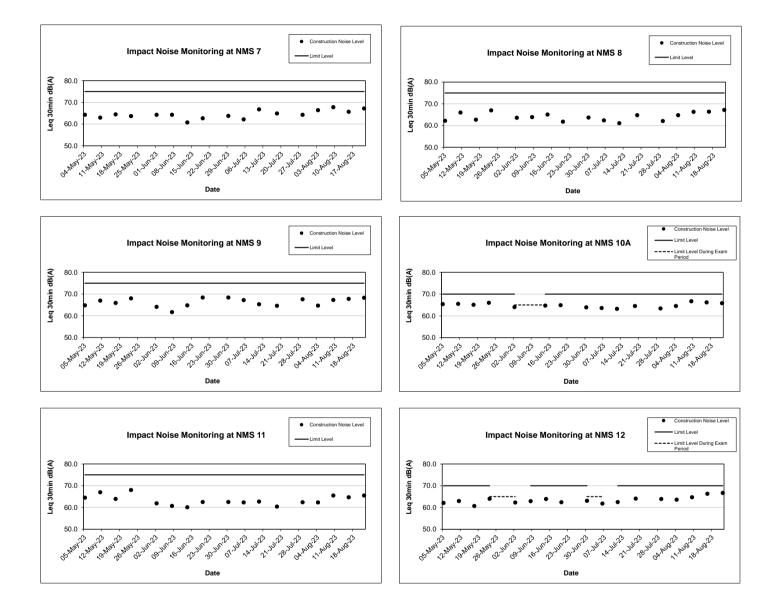
		Meas	ured Noise	Level	Limit Level	Construction Noise Level		Wind
Date	Start Time	$L_{eq}$	L <sub>90</sub>	L <sub>10</sub>	Linni Lever	Construction Noise Level	Weather	Speed
				Uni		(m/s)		
04-Aug-23	14:41	66.2	63.5	68.5	75	66.2	Fine	0.3
10-Aug-23	11:18	68.4	64.0	71.0	75	68.4	Fine	0.0
16-Aug-23	14:46	68.7	64.0	70.5	75	68.7	Fine	0.6
22-Aug-23	11:08	68.3	64.5	71.0	75	68.3	Fine	0.2

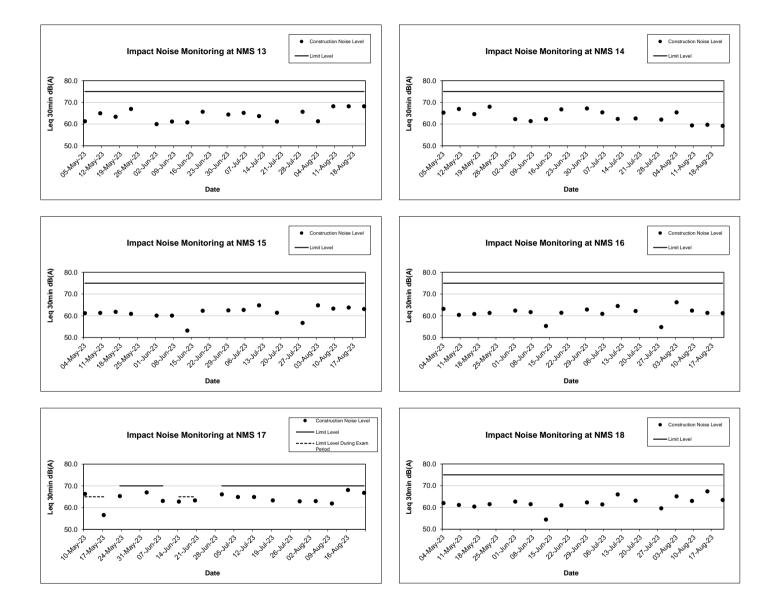
# NMS 27 Jockey Club Ti-I College

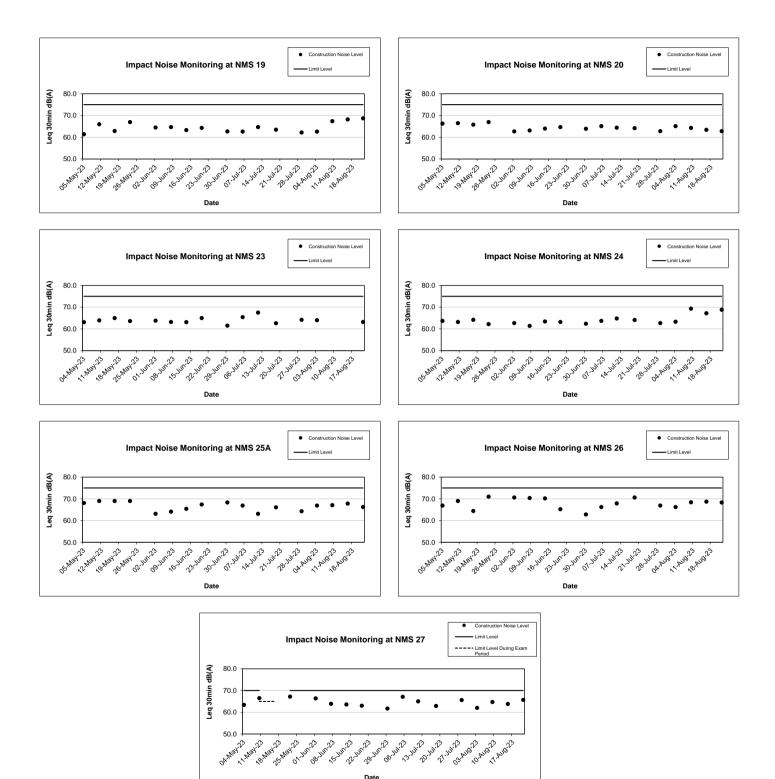
		Meas	ured Noise	Level	Limit Level	Construction Noise Level		Wind
Date	Start Time	$L_{eq}$	L <sub>90</sub>	L <sub>10</sub>	Linni Lever	Construction Noise Level	Weather	Speed
			Unit: dB(A) 30 Mins					(m/s)
03-Aug-23	8:46	62.0	60.5	63.0	70	62.0	Fine	0.4
09-Aug-23	10:56	64.7	61.0	67.5	70	64.7	Sunny	0
15-Aug-23	8:52	63.8	60.0	65.0	70	63.8	Overcast	0.7
21-Aug-23	11:12	65.7	61.0	67.5	70	65.7	Fine	0.2

\*Note: The school calender was provide in Appendix E.









# Night Time Noise Monitoring Result for NOD 03-2018 Road Widening and Retrofitting Noise Barriers on Tai Po Road (Sha Tin Section)

#### 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)
01-Aug-23	23:12	58.2			55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.2</td></baseline<>	Fine	0.2
11-Aug-23	1:05	58.9			55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.2</td></baseline<>	Fine	0.2
15-Aug-23	23:01	58.7	61.4	52.8 - 66.3	55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.2</td></baseline<>	Fine	0.2
25-Aug-23	1:22	58.7			55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.0</td></baseline<>	Fine	0.0
29-Aug-23	23:08	59.2			55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.3</td></baseline<>	Fine	0.3

#### 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)
01-Aug-23	23:06	53.7			55	Measured Noise Level <limit level<="" td=""><td>Fine</td><td>0.8</td></limit>	Fine	0.8
10-Aug-23	23:03	52.2			55	Measured Noise Level <limit level<="" td=""><td>Fine</td><td>0.3</td></limit>	Fine	0.3
15-Aug-23	23:04	51.8	49.7	40.1 - 58.2	55	Measured Noise Level <limit level<="" td=""><td>Fine</td><td>0.4</td></limit>	Fine	0.4
24-Aug-23	23:01	51.9			55	Measured Noise Level <limit level<="" td=""><td>Fine</td><td>0.4</td></limit>	Fine	0.4
29-Aug-23	23:02	52.8			55	Measured Noise Level <limit level<="" td=""><td>Fine</td><td>0.4</td></limit>	Fine	0.4

#### 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)
01-Aug-23	23:36	62.9			55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.2</td></baseline<>	Fine	0.2
11-Aug-23	0:42	63.0			55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.4</td></baseline<>	Fine	0.4
15-Aug-23	23:26	62.9	70.9	60.2 - 78.9	55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.3</td></baseline<>	Fine	0.3
25-Aug-23	0:58	63.9			55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.3</td></baseline<>	Fine	0.3
29-Aug-23	23:30	62.4			55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.4</td></baseline<>	Fine	0.4

#### 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)
01-Aug-23	23:43	58.1			55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.6</td></baseline<>	Fine	0.6
10-Aug-23	23:29	61.1			55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.4</td></baseline<>	Fine	0.4
15-Aug-23	23:38	59.8	62.6	53.1 - 68.1	55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.6</td></baseline<>	Fine	0.6
24-Aug-23	23:25	61.1			55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.3</td></baseline<>	Fine	0.3
29-Aug-23	23:41	58.5			55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.3</td></baseline<>	Fine	0.3

### NMS 5A 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)
01-Aug-23	23:59	66.3			55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.4</td></baseline<>	Fine	0.4
11-Aug-23	0:20	66.0			55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.0</td></baseline<>	Fine	0.0
15-Aug-23	23:49	65.9	67.9	62.0 - 75.2	55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.3</td></baseline<>	Fine	0.3
25-Aug-23	0:32	65.1			55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.2</td></baseline<>	Fine	0.2
29-Aug-23	23:53	65.8			55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.2</td></baseline<>	Fine	0.2

#### 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)
02-Aug-23	0:20	70.1			55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.2</td></baseline<>	Fine	0.2
10-Aug-23	23:58	69.8			55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.2</td></baseline<>	Fine	0.2
16-Aug-23	0:08	69.6	71.5	65.0 - 85.9	55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.3</td></baseline<>	Fine	0.3
25-Aug-23	0:08	69.8			55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.5</td></baseline<>	Fine	0.5
29-Aug-23	0:20	69.5			55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.2</td></baseline<>	Fine	0.2

#### 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-Aug-23	0:04	57.1			55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.5</td></baseline<>	Fine	0.5
10-Aug-23	23:50	59.9			55	52.6*	Fine	0.3
16-Aug-23	0:02	57.2	59.0	51.4 - 65.5	55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.4</td></baseline<>	Fine	0.4
24-Aug-23	23:45	59.9			55	52.6*	Fine	0.4
30-Aug-23	0:02	54.7			55	Measured Noise Level <limit level<="" td=""><td>Fine</td><td>0.4</td></limit>	Fine	0.4

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)
02-Aug-23	0:46	62.3			55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.3</td></baseline<>	Fine	0.3
10-Aug-23	23:18	61.9			55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.4</td></baseline<>	Fine	0.4
16-Aug-23	0:35	62.2	64.4	55.6 - 72.8	55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.2</td></baseline<>	Fine	0.2
24-Aug-23	23:25	62.4			55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.2</td></baseline<>	Fine	0.2
29-Aug-23	0:44	61.8			55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.3</td></baseline<>	Fine	0.3

#### 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)
02-Aug-23	1:32	55.3			55	50.6*	Fine	0.2
11-Aug-23	1:35	55.8			55	51.9*	Fine	0.2
16-Aug-23	1:21	55.4	53.5	39.5 - 63.1	55	50.9*	Fine	0.0
25-Aug-23	1:54	56.3			55	53.1*	Fine	0.2
30-Aug-23	1:29	56.0			55	52.4*	Fine	0.2

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)
02-Aug-23	1:17	53.5			55	Measured Noise Level <limit level<="" td=""><td>Fine</td><td>0.4</td></limit>	Fine	0.4
11-Aug-23	0:56	54.5			55	Measured Noise Level <limit level<="" td=""><td>Fine</td><td>0.4</td></limit>	Fine	0.4
16-Aug-23	1:02	53.6	53.2	46.1 - 62.8	55	Measured Noise Level <limit level<="" td=""><td>Fine</td><td>0.4</td></limit>	Fine	0.4
25-Aug-23	0:49	54.2			55	Measured Noise Level <limit level<="" td=""><td>Fine</td><td>0.4</td></limit>	Fine	0.4
30-Aug-23	1:06	52.3			55	Measured Noise Level <limit level<="" td=""><td>Fine</td><td>0.5</td></limit>	Fine	0.5

#### 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)
02-Aug-23	1:56	52.5			55	Measured Noise Level <limit level<="" td=""><td>Fine</td><td>0.3</td></limit>	Fine	0.3
11-Aug-23	2:01	53.2			55	Measured Noise Level <limit level<="" td=""><td>Fine</td><td>0.2</td></limit>	Fine	0.2
16-Aug-23	1:46	53.3	57.3	45.4 - 72.5	55	Measured Noise Level <limit level<="" td=""><td>Fine</td><td>0.3</td></limit>	Fine	0.3
25-Aug-23	2:20	53.2			55	Measured Noise Level <limit level<="" td=""><td>Fine</td><td>0.3</td></limit>	Fine	0.3
30-Aug-23	1:53	53.7			55	Measured Noise Level <limit level<="" td=""><td>Fine</td><td>0.3</td></limit>	Fine	0.3

#### 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)
01-Aug-23	1:40	56.1			55	51.8*	Fine	0.6
11-Aug-23	1:17	57.1			55	54.1*	Fine	0.4
15-Aug-23	1:28	54.4	54.1	46.1 - 62.8	55	Measured Noise Level <limit level<="" td=""><td>Fine</td><td>0.5</td></limit>	Fine	0.5
24-Aug-23	1:09	57.2			55	54.3*	Fine	0.5
29-Aug-23	1:27	52.7			55	Measured Noise Level <limit level<="" td=""><td>Fine</td><td>0.4</td></limit>	Fine	0.4

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)
02-Aug-23	1:59	57.6			55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.6</td></baseline<>	Fine	0.6
11-Aug-23	1:39	59.0			55	45.5*	Fine	0.3
16-Aug-23	1:50	56.1	58.8	48.4 - 69.7	55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.6</td></baseline<>	Fine	0.6
25-Aug-23	1:33	59.1			55	47.3*	Fine	0.3
30-Aug-23	1:47	56.4			55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.6</td></baseline<>	Fine	0.6

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

#### 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)
02-Aug-23	2:19	56.9			55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.5</td></baseline<>	Fine	0.5
11-Aug-23	1:58	58.0			55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.3</td></baseline<>	Fine	0.3
16-Aug-23	2:02	54.4	60.1	51.4 - 69.5	55	Measured Noise Level <limit level<="" td=""><td>Fine</td><td>0.4</td></limit>	Fine	0.4
25-Aug-23	1:53	58.2			55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.3</td></baseline<>	Fine	0.3
30-Aug-23	2:09	50.8			55	Measured Noise Level <limit level<="" td=""><td>Fine</td><td>0.4</td></limit>	Fine	0.4

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

#### 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)
02-Aug-23	2:40	53.8			55	Measured Noise Level <limit level<="" td=""><td>Fine</td><td>0.3</td></limit>	Fine	0.3
11-Aug-23	2:18	54.9			55	Measured Noise Level <limit level<="" td=""><td>Fine</td><td>0.3</td></limit>	Fine	0.3
16-Aug-23	2:23	53.2	63.2	56.0 - 72.1	55	Measured Noise Level <limit level<="" td=""><td>Fine</td><td>0.3</td></limit>	Fine	0.3
25-Aug-23	2:12	55.0			55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.0</td></baseline<>	Fine	0.0
30-Aug-23	2:31	51.9			55	Measured Noise Level <limit level<="" td=""><td>Fine</td><td>0.3</td></limit>	Fine	0.3

#### 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)
02-Aug-23	2:20	54.6			55	Measured Noise Level <limit level<="" td=""><td>Fine</td><td>0.3</td></limit>	Fine	0.3
11-Aug-23	2:28	53.9			55	Measured Noise Level <limit level<="" td=""><td>Fine</td><td>0.0</td></limit>	Fine	0.0
16-Aug-23	2:10	55.2	61.7	53.8 - 72.8	55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.2</td></baseline<>	Fine	0.2
25-Aug-23	2:41	53.9			55	Measured Noise Level <limit level<="" td=""><td>Fine</td><td>0.2</td></limit>	Fine	0.2
30-Aug-23	2:18	54.4			55	Measured Noise Level <limit level<="" td=""><td>Fine</td><td>0.3</td></limit>	Fine	0.3

#### 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))	Weather	Wind Speed (m/s)
02-Aug-23	2:38	49.9			55	Measured Noise Level <limit level<="" td=""><td>Fine</td><td>0.2</td></limit>	Fine	0.2
11-Aug-23	2:46	50.1			55	Measured Noise Level <limit level<="" td=""><td>Fine</td><td>0.0</td></limit>	Fine	0.0
16-Aug-23	2:30	51.0	57.7	48.6 - 71.7	55	Measured Noise Level <limit level<="" td=""><td>Fine</td><td>0.2</td></limit>	Fine	0.2
25-Aug-23	2:59	50.1			55	Measured Noise Level <limit level<="" td=""><td>Fine</td><td>0.3</td></limit>	Fine	0.3
30-Aug-23	2:34	50.0			55	Measured Noise Level <limit level<="" td=""><td>Fine</td><td>0.3</td></limit>	Fine	0.3

## 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)
02-Aug-23	0:31	53.3			55	Measured Noise Level <limit level<="" td=""><td>Fine</td><td>0.2</td></limit>	Fine	0.2
11-Aug-23	0:14	60.0			55	43.6*	Fine	0.5
16-Aug-23	0:22	56.4	59.9	47.8 - 69.8	55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.2</td></baseline<>	Fine	0.2
25-Aug-23	0:06	60.1			55	46.6*	Fine	0.5
30-Aug-23	0:24	58.2			55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.2</td></baseline<>	Fine	0.2

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

#### NMS 24 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)
02-Aug-23	0:46	58.7			55	50.4*	Fine	0.3
10-Aug-23	23:36	58.8			55	51.1*	Fine	0.4
16-Aug-23	0:54	58.8	58.0	50.2 - 66.7	55	51.1*	Fine	0.3
24-Aug-23	23:44	59.6			55	54.5*	Fine	0.2
30-Aug-23	1:03	58.6			55	49.7*	Fine	0.2

Note:

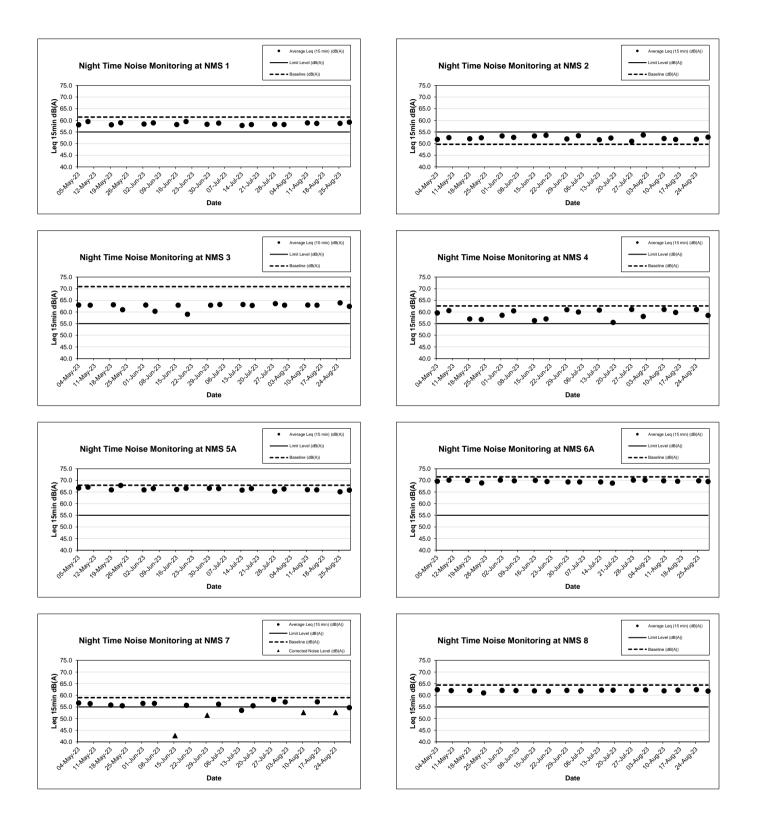
\*Corrected Noise Level in Leq (15min) dB(A) was/were lower than Limit level: 55 dB(A).

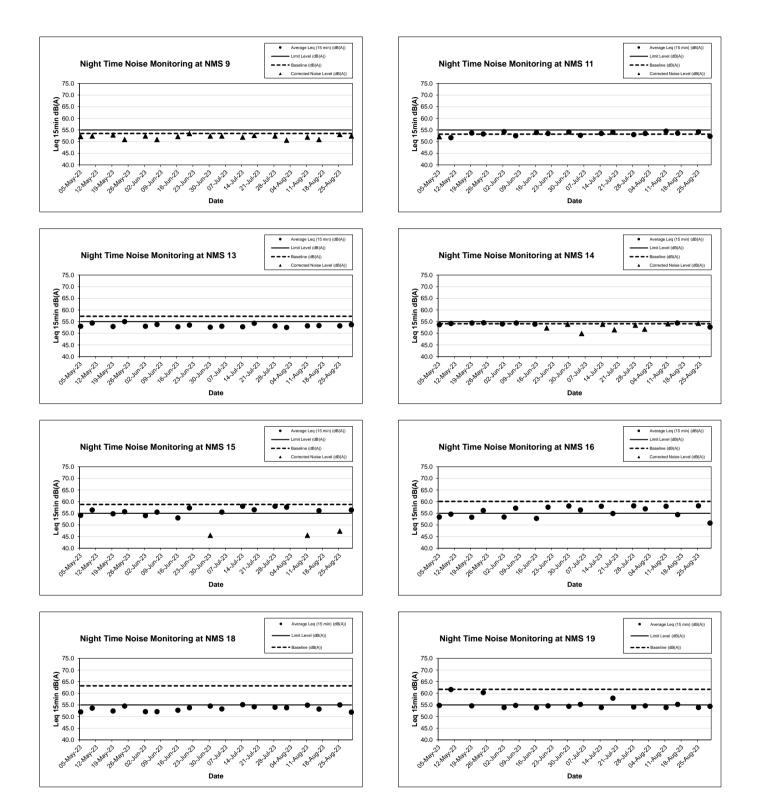
#### NMS 25A Sheung Wo Che

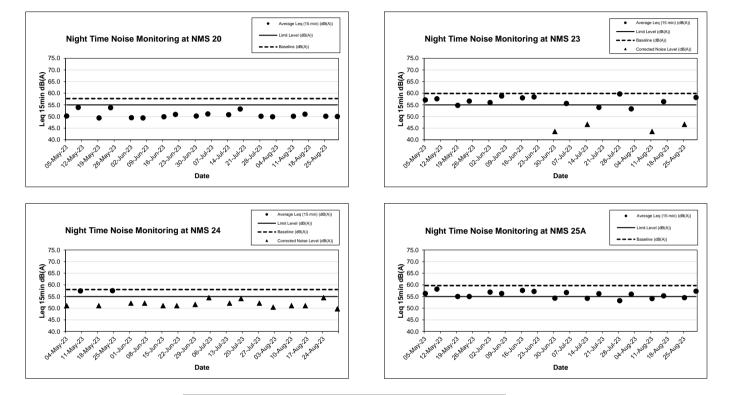
Date	Start Time	Average Leq (15 min) (dB(A))	Baseline (dB(A))	Baseline Range (dB(A))	Limit Level (dB(A))	Corrected Noise Level (dB(A))	Weather	Wind Speed (m/s)
02-Aug-23	0:55	56.0			55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.3</td></baseline<>	Fine	0.3
11-Aug-23	0:34	54.1			55	Measured Noise Level <limit level<="" td=""><td>Fine</td><td>0.3</td></limit>	Fine	0.3
16-Aug-23	0:44	55.3	59.7	50.3 - 68.4	55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.6</td></baseline<>	Fine	0.6
25-Aug-23	0:26	54.5			55	Measured Noise Level <limit level<="" td=""><td>Fine</td><td>0.3</td></limit>	Fine	0.3
30-Aug-23	0:45	57.3			55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.4</td></baseline<>	Fine	0.4

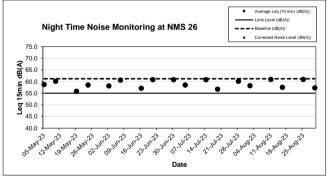
# NMS 26 Wo Che Estate

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)
02-Aug-23	3:04	58.2			55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.6</td></baseline<>	Fine	0.6
11-Aug-23	2:43	60.9			55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.3</td></baseline<>	Fine	0.3
16-Aug-23	2:51	57.5	61.2	45.7 - 70.1	55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.5</td></baseline<>	Fine	0.5
25-Aug-23	2:37	60.9			55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.3</td></baseline<>	Fine	0.3
30-Aug-23	2:57	57.3			55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.5</td></baseline<>	Fine	0.5









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 H

**Events and Action Plan** 

# FUGRO TECHNICAL SERVICES LIMITEDFugro Development Centre,Tel: +852 2450 8233

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



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

Action Level	EVENT	ACTION							
1.       Identify the source.       2.       1.       Check monitoring data submitted by the ET Leader.       1.       Notify Contractor.       1.       Rectify any unacceptal practice.         2.       Increase monitoring frequency to daily.       1.       Check Contractor's working method.       1.       Contractor s working method.       1.       Submitted by the ET Leader.       2.       Amend working the EC and the SO.       1.       Check Contractor's working method.       1.       Submitted by the ET Leader.       2.       Increase monitoring trequency to daily.       1.       Check the Contractor's working method.       1.       Submitted by the ET Leader.       2.       Check the Contractor's working method.       1.       Submitted by the ET Leader.       2.       Check the Contractor or remedial actions to confirm findings.       1.       Submitted by the ET Leader.       2.       Check the Contractor on required.       3.       Sucresswith the EC and the ET Leader and the Contractor on required.       3.       Sucresswith the ET Leader and the Contractor on the effectiveness of the proposed remedial measures.       3.       Amend working do of notification of the effectiveness of the proposed remedial measures.       3.       Amend proposal i appropriat appropriat appropriat appropriat appropriat appropriat actor on working the ET Leader.       1.       Contractor's working method.       1.       Contractor appropriat appropriat appropriat appropriat appropris appropris appropriat appropriat approprise appropri		ET Leader	IEC	SO	Contractor				
Exceedance for two or more consecutive samples2. Inform the IEC and the SO.data submitted by the ET Leader.receipt of notification of failure in working data submitted by the ET Leader.receipt of notification of failure in working data submitted by the ET Leader.proposals remedial actions to working method.5. Discuss with the IEC and the Contractor on required.5. Discuss with the IEC and the Contractor on required.3. Discuss with the ET Leader and the Contractor on possible remedial measures.2. Notify the Contractor.3. Ensure remedial agreed proposals6. If exceedance continues, arrange meeting with the IEC and the SO.1. Identify the source.1. Check monitoring measures.1. Confirm receipt of notification of appropriat1. Confirm receipt of notification of appropriat1.1. Identify the source. Exceedance for one sample1. Identify the source. 2. Inform the SO and the EPD.1. Check monitoring data submitted by the ET Leader.1. Confirm receipt of notification of failure in working method.1. Take immedial receipt of notification of failure in working method.1.1. Identify the source. EX caeder and	1. Exceedance for one	<ol> <li>Inform the IEC and the SO.</li> <li>Repeat measurement to confirm findings.</li> <li>Increase monitoring</li> </ol>	data submitted by the ET Leader. 2. Check Contractor's	5	2. Amend working				
Limit Level1. Identify the source.1. Check monitoring data submitted by the ET Leader.1. Confirm receipt of notification of failure in writing.1. Take imment action to av further exceedance for one sample1.1. Identify the source.1. Check monitoring data submitted by the ET Leader.1. Confirm receipt of notification of failure in writing.1. Take imment action to av further exceedance3.Repeat measurement to confirm findings.2. Check 	Exceedance for two or more consecutive	<ol> <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</li> </ol>	<ul> <li>data submitted by the ET Leader.</li> <li>2. Check the Contractor's working method.</li> <li>3. Discuss with the ET Leader and the Contractor on possible remedial measures.</li> <li>4. Advise the SO on the effectiveness of the proposed remedial measures.</li> <li>5. Supervisor implementation of remedial</li> </ul>	receipt of notification of failure in writing. 2. Notify the Contractor. 3. Ensure remedial measures properly implemente	proposals for remedial actions to IEC within 3 working days of notification. 2. Implement the agreed proposals.				
Exceedance for one sample2. Inform the SO and the EPD.data submitted by the ET Leader.receipt of notification of failure in writing.action to av further3. Repeat measurement to confirm findings.2. Check Contractor's working method.receipt of notification of failure in writing.action to av further4. Increase monitoring frequency to daily.3. Discuss with the ET Leader and the Contractor on possible remedial measures.2. Notify the Contractor.2. Submit proposals for remedial actions and keep the IEC, the EPD and the SO informed of the results.3. Discuss with the ET Leader and the Contractor on possible remedial measures.3. Ensure remedial measures.3. Ensure remedial measures are properly implemented.3. Implement of agreed proposals.	Limit Level								
5. Supervisor         implementation of         remedial         measures.         1. Notify the IEC, the SO         1. Discuss amongst         1. Confirm	Exceedance for one sample	<ol> <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>	<ul> <li>data submitted by the ET Leader.</li> <li>2. Check Contractor's working method.</li> <li>3. Discuss with the ET Leader and the Contractor on possible remedial measures.</li> <li>4. Advise the SO on the effectiveness of the proposed remedial measures.</li> <li>5. Supervisor implementation of remedial measures.</li> </ul>	receipt of notification of failure in writing. 2. Notify the Contractor. 3. Ensure remedial measures are properly implemented.	<ul> <li>exceedance.</li> <li>2. Submit proposals for remedial actions to IEC within 3 working days of notification.</li> <li>3. Implement the agreed</li> </ul>				

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



EVENT		ACTION							
	ET Leader	IEC	SO	Contractor					
Exceedance for two or more consecutive samples	<ul> <li>and the EPD and the Contractor.</li> <li>2. Identify the source.</li> <li>3. Repeat measurement to confirm findings.</li> <li>4. Increase monitoring frequency to daily.</li> <li>5. Carry out analysis of the Contractor's working procedures to determine possible mitigation to be implemented.</li> <li>6. Arrange meeting with the IEC and the SO to discuss the remedial actions to be taken.</li> <li>7. Assess effectiveness of Contractor's remedial actions and keep the IEC, the EPD and the SO informed of the results.</li> <li>8. If exceedance stops, cease additional monitoring.</li> </ul>	the SO, ET 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.	receipt of notification of failure in writing. 2. Notify the Contractor. 3. In consultation with the Contractor on the remedial measures to be implemented. 4. Ensure remedial measures are properly implemented. 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.	action to avoid 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.					

# FUGRO TECHNICAL SERVICES LIMITEDFugro Development Centre,Tel: +852 2450 8233

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



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

EVENT		ACTION	l	
	ET Leader	IEC	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>

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



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

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

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 I

Waste Flow Table

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



Waste Flow Table for Year 2018												
	Actual Quantities of Inert C&D Materials Generated 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:

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.

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>.

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



Waste Flow Table for Year 2019												
	Actual Quantities of Inert C&D Materials Generated 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:

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>.

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



Waste Flow Table for Year 2020												
	Actual Quantities of Inert C&D Materials Generated 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>.

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



Waste Flow	/ Table for Ye	ear 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 m<sup>3</sup>.

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



Waste Flow	/ Table for Ye	ar 2022									
		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)
2022 Jan	1.815	0.000	0.064	0.000	1.751	0.097	20.640	0.000	0.000	0.000	0.410
2022 Feb	2.683	0.000	0.045	0.000	2.638	0.000	0.002	0.004	0.004	0.000	0.022
2022 Mar	3.039	0.000	0.000	0.000	3.039	0.037	0.000	0.000	0.000	0.000	0.026
2022 Apr	6.023	0.000	0.000	0.000	6.023	0.030	0.001	0.419	0.005	0.000	0.064
2022 May	10.291	0.000	0.000	0.000	10.291	0.159	0.001	0.011	0.003	0.000	0.042
2022 Jun	5.469	0.000	0.000	0.000	5.469	0.187	0.000	0.000	0.000	0.000	0.074
Sub-Total	29.320	0.000	0.109	0.000	29.211	0.510	20.644	0.434	0.012	0.000	0.638
2022 Jul	3.136	0.000	0.000	0.000	3.136	0.476	0.001	0.013	0.003	0.000	0.141
2022 Aug	4.111	0.000	0.000	0.000	4.111	0.431	6.871	0.373	0.010	0.000	0.088
2022 Sep	7.150	0.000	0.000	0.000	7.150	0.634	13.280	0.000	0.000	0.000	0.062
2022 Oct	8.330	0.000	0.000	0.000	8.330	1.896	0.001	0.008	0.003	0.000	0.070
2022 Nov	5.581	0.000	0.000	0.000	5.581	1.174	0.001	0.008	0.006	0.000	0.074
2022 Dec	6.787	0.000	0.000	0.000	6.787	1.134	0.001	0.003	0.001	0.000	0.080
Total	64.415	0.000	0.109	0.000	64.306	6.255	40.799	0.839	0.035	0.000	1.153

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>.

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



		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)
2023 Jan	4.592	0.000	0.000	0.000	4.592	0.322	0.000	0.220	0.002	0.000	0.067
2023 Feb	6.448	0.000	0.000	0.000	6.448	0.500	0.001	0.281	0.003	0.000	0.055
2023 Mar	8.344	0.000	0.000	0.000	8.344	0.579	0.001	0.338	0.050	0.000	1.390
2023 Apr	5.538	0.000	0.000	0.000	5.538	1.625	0.001	0.220	0.005	0.000	0.935
2023 May	6.803	0.000	0.000	0.000	6.803	1.544	0.001	0.000	0.002	0.000	0.073
2023 Jun	8.089	0.000	0.000	0.000	8.089	0.142	0.002	0.183	0.002	0.000	0.192
Sub-Total	39.814	0.000	0.000	0.000	39.814	4.712	0.006	1.242	0.064	0.000	2.712
2023 Jul	9.764	0.000	0.000	0.000	9.764	0.041	0.001	0.200	0.004	0.000	0.144
2023 Aug	8.484	0.000	0.000	0.000	8.484	0.246	0.001	0.173	0.007	0.000	0.139
2023 Sep											
2023 Oct											
2023 Nov											
2023 Dec											
Total	58.063	0.000	0.000	0.000	58.063	4.999	0.008	1.615	0.075	0.000	2.996

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 m3.

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 J

**Environmental Mitigation Implementation Schedule (EMIS)** 

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



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	Implemented
		<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,	Within the boundaries of all construction	<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
Table 5.10		<ul> <li>Plant operating on intermittent basis should be turned off or throttled down when not in active use.</li> </ul>	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	Implemented
	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
		These temporary noise barriers should be located immediately adjacent to working area.	Contractor	Implemented

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 Tel
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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	Implemented
		<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		<ul> <li>Where possible fixed plants should be sited away from NSRs; and</li> </ul>	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>	Contractor	Implemented
4.12.1 and	Within the boundaries of all	<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
4.12.2	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
		<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

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



EIA Review Ref	Location	Environmental Protection Measures/	Implementation Agent	Implementation Status in Construction Phase
		complete coverage of active construction area eight times a day.		
		<ul> <li>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.</li> </ul>	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	Implemented
		<ul> <li>Suitable chemical wetting agent such as dust suppression chemical shall be used on completed cuts and fills to reduce wind erosion.</li> </ul>	Contractor	Not Applicable
		<ul> <li>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.</li> </ul>	Contractor	Implemented
		<ul> <li>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.</li> </ul>	Contractor	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.	Contractor	Implemented
		<ul> <li>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.</li> </ul>	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	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>		Implemented

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 Tel
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 Fax
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4.12.1, 4.13.1 and		<ul> <li>Construction dust monitoring shall be carried out at representative monitoring locations during the construction period.</li> </ul>	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
		<ul> <li>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.</li> </ul>	Contractor	Implemented
5.7	boundaries of 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
		<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
		<ul> <li>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.</li> </ul>	Contractor	Implemented
		<ul> <li>The efficiency of the interceptor channels, traps and sedimentation chambers should be maintained</li> </ul>	Contractor	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	Partially 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
		<ul> <li>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.</li> </ul>	Contractor	Partially Implemented
		<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>		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>		Implemented

Fugro Development Centre, 5 Lok Yi Street, Tai Lam, Tuen Mun, N.T., Hong Kong. 
 Tel
 : +852 2450 8233

 Fax
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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>		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	Partially 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 n	nitigation measures.
		(i) The functioning of onsite surface water collection channels and sediment traps.	Contractor	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	During construction within the	• 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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 Tel
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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
		<ul> <li>Night-time lighting glare shall be properly managed and control during construction so as to minimize any adverse visual impact on adjacent VSRs.</li> </ul>	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>		Not Applicable
		<ul> <li>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.</li> </ul>	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

Fugro Development Centre, 5 Lok Yi Street, Tai Lam, Tuen Mun, N.T., Hong Kong. 
 Tel
 : +852 2450 8233

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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
	Within the boundaries of all	<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>		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

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

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 : www.fugro.com



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		enclosed containers.		
7.6.10		<ul> <li>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.</li> </ul>	Contractor	Partially Implemented
		<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>	Contractor	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, Handl 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	Implemented

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 Tel
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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
		<ul> <li>be enclosed on at least 3 sides;</li> </ul>	Contractor	Partially Implemented
		<ul> <li>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;</li> </ul>		Implemented
		have adequate ventilation;	Contractor	Implemented
		<ul> <li>be covered to prevent rainfall entering (water collected within the bund must be tested and disposed as chemical waste if necessary); and</li> </ul>	Contractor	Partially 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 chemical (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
		<ul> <li>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</li> </ul>		Implemented
		<ul> <li>to a reuser of the waste, under approval from EPD.</li> </ul>	Contractor	Not Applicable
7.6.18 to 7.6.20		<ul> <li>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.</li> </ul>	Contractor	Partially Implemented
		<ul> <li>Separate labelled bins should be provided if feasible.</li> </ul>	Contractor	Implemented
		<ul> <li>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.</li> </ul>	Contractor	Implemented
7.7.1		<ul> <li>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</li> </ul>	Contractor	Partially Implemented

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



EIA Review Ref	Location	Environmental Protection Measures/	Implementation Agent	Implementation Status in Construction Phase
		requirements.		
		<ul> <li>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.</li> </ul>	Contractor	Implemented
EP 1.5		General Condition		
N.A	construction within the Project Boundary.	<ul> <li>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).</li> </ul>	Contractor	Partially Implemented

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

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 K

Weather and Meteorological Conditions during Reporting Month

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



	Mean		Air Temperature	9	Mean Relative	Total	
Date	Pressure (hPa)	Maximum (deg. C)	Mean (deg. C)	Minimum (deg. C)	Humidity (%)	Rainfall (mm)	
	-	-	August 2023	-	-		
1	1004.7	32.2	29.3	27.9	80	Trace	
2	1003.7	34.6	30.4	27.9	70	-	
3	1002.8	35.1	30.8	27.9	73	-	
4	1004.7	33.5	30.5	28.3	77	2.6	
5	1004.5	33	30.4	28.3	79	5.9	
6	1002.4	33	30.3	29.2	78	Trace	
7	1001.8	32.4	30.1	28	76	1.6	
8	1003.6	33.3	30.3	28.9	74	0	
9	1004.9	32.8	30.3	28.7	76	Trace	
10	1004.7	32.1	29.2	27.5	82	11.1	
11	1003.5	30.1	27.8	25.7	85	26.4	
12	1003.5	32.1	29	26.6	79	0.9	
13	1003.7	29.6	28.5	26.1	84	34.2	
14	1005.2	32.2	29.4	27	82	3.6	
15	1006.7	32.5	29.9	28.8	80	Trace	
16	1006.8	34	30.6	28.8	78	-	
17	1005.2	32	30	29	82	Trace	
18	1004	30.6	29.2	27.2	86	9.3	
19	1005.7	30.6	28.8	27.3	84	0.3	
20	1007.7	31.5	29.7	28.4	80	0.6	
21	1007.8	32.1	29.6	28.2	82	0.2	
22	1006.1	33	30	28	79	0.3	
23	1005.3	33.5	30.4	28.2	78	0.3	
24	1006.7	31.4	29.1	27.5	85	5.7	
25	1006.8	30.9	29.3	28.2	83	0.2	
26	1005.2	32.8	29.7	27.9	83	-	
27	1003.2	31.9	29.4	26.4	84	2.2	
28	1002.6	33.4	29.9	28.1	81	0.5	
29	1003.5	32.6	29	26.8	83	34.4	
30	1003.9	32	28.9	26.7	72	-	
31	1002.7	32.1	29.2	27.7	70	0.4	

Remark: Trace means rainfall less than 0.05 mm

Source: Hong Kong Observatory

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 L

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

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



#### **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	02/02/2019	EPD	CCZJV	Noise	13/02/2019	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	22/02/2019	Project Hotline of NE/2017/ 05	CCZJV	Noise	26/02/2019	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	28/03/2019	Project Hotline of NE/2017/ 05	CCZJV	Noise	28/03/2019	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

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

 Tel
 : +852 2450 8233

 Fax
 : +852 2450 6138

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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	26/07/2019	Police visit on- site	CCZJV	Noise	26/07/2019	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	30/08/2019	1823	CCZJV	Noise	30/08/2019	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

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

 Tel
 : +852 2450 8233

 Fax
 : +852 2450 6138

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 : matlab@fugro.com

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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	09/10/2019	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	09/10/2019	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

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

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 : www.fugro.com



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COM-2019- 0066	06/11/2019	EPD	CCZJV	Noise	07/11/2019	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

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

 Tel
 : +852 2450 8233

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 : +852 2450 6138

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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	04/05/2020
COM-2020- 0091	28/03/2020	Project hotline	CCZJV	Noise	28/03/2020	and unloading works. ET conduct regular night-time noise monitoring at all monitoring stations between 23:00 26 <sup>th</sup> March 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.	04/05/2020
COM-2020- 0093	06/04/2020	Project hotline	CCZJV	Noise	06/04/2020	The complaint case on $6^{th}$ Apr was received by project hotline. The major construction works between (10:00pm – 11:00pm) on $6^{th}$ 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

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

 Tel
 : +852 2450 8233

 Fax
 : +852 2450 6138

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 : matlab@fugro.com

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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	A continues complaint were received on 20 Apr and 21 Apr 2020. A resident of Wai Wah Centre filed three complaints about the noise nuisance generated by the nearby construction activities during daytime. Two complaints were made through project hotline on 20 <sup>th</sup> Apr 2020 at 10:57 a.m. and 21 <sup>st</sup> Apr 2020 at 9:03 a.m., while the other one was through project email on 20 <sup>th</sup> Apr 2020 at 12:43 p.m. The noise source(s) of the concerned nuisance during complaint period should be mini piling works, which is opposite to Wai Wah Centre. According to	19/05/2020
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	13/03/2020

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

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 : www.fugro.com



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COM-2020- 0098	21/04/2020	Project hotline	CCZJV	Noise	21/04/2020	with green tarpaulin curtain and sound proof canvas. The noise 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

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



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COM-2020- 0100	23/04/2020	Project hotline	CCZJV	Noise	23/04/2020	The complaint was received via project hotline on 23 <sup>rd</sup> April 2020 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>rd</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.	11/05/2020
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	15/05/2020

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

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						complainant concerned. The major construction works was road 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	The complainant on 10 <sup>th</sup> November 2020 complained about 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.	27/11/2020

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

 Tel
 : +852 2450 8233

 Fax
 : +852 2450 6138

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						The operation which might be related to the complaint was water 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	07/12/2020

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

 Tel
 : +852 2450 8233

 Fax
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						hand-held breaker beyond the CNP condition 3.d.3 stated that 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-2020- 154	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	14/12/2020

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

 Tel
 : +852 2450 8233

 Fax
 : +852 2450 6138

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 : matlab@fugro.com

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						related to removal of central median (at night-time) under the 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-2020- 155	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	05/01/2021

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

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 : +852 2450 8233

 Fax
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						in November 2020 and on the 3 <sup>rd</sup> December 2020 show that 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-2020- 157	07/12/2020	STDC	CCZJV	Dust	07/12/2020	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 monitoring stations AMS12, closest to Zone 5. The ET regular 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 continue in maintaining the coverings on exposed slopes in good condition for minimizing dust impact.	29/12/2020

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



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No.		EPD	CCZJV	Noise	Investigation	Conclusion           The Main Contractor proposed to increase water spraying at 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 adge); 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 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 placed acoustic enclosure "SilentCUBE" with four sides and a top cover at removal of existing central median and asphalt compaction 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 cas	Reply 05/01/2021
						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), the measured result at NMS16, NMS18	

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



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						and NMS26 were lower than that of measured in the baseline. 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-2020- 167	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- 2020-168	20/02/2021	1823	CCZJV	Noise	23/02/2021	The complaint was received via 1823 on 20 <sup>th</sup> February 2021 01:00 am 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	08/03/2021

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



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						approved road closure setup with in-force Construction Noise 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 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	25/03/2021

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



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						and ET of the captioned project on 4th March 2021. According to 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	25/03/2021

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

 Tel
 : +852 2450 8233

 Fax
 : +852 2450 6138

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 : www.fugro.com



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						stipulated in the EM&A Manual when construction activities were 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 facade of dwellings and 70 dB(A) Leq (30 minutes) at the facade so f schools (65 dB (A) during examinations). The Main Contractor installed an acoustic blanket, enclosed at the breaker to minimize the noise impacts to nearby NSRs. The Main Contractor was reminded to maintain the newly implemented noise mitigation measure during breaking works. The Main Contractor was reminded to provide additional mitigation measures to minimize the noise nuisance to the NSRs (similar to night-time construction works) during the construction works, for example moveable noise barrier or blanket to block	27/05/2021

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



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						the line of sight from the engine and noise emission parts to the nearby NSRs.	
COM-2021- 0200 and COM-2021- 0202	07/06/2021	1823	CCZJV	Noise	08/06/2021	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. 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 facade 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 noise	22/06/2021

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



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						mitigation measure during the breaking works. The Main 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 EX1 in Zone 5 South boundary, tree works were performed. There were no work activities 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	13/08/2021

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



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						(ULSD) sample for laboratory testing since Feb 2019. There is 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.	

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



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DSD Ref: MS 8/0/CE2815 /0 pt.6	01/09/21	DSD	CCZJV	Water	02/09/21	Drainage Services Department (DSD) issued a notice (Ref: MS 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 minipiling 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 piling 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.	20/10/2021

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



Rectification have been reported by the Main Contractor according to the observation and recommendation from ET and EPIs on 8th, 17th, 27th September and 6th October 2021.	Reference No.
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 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 Temporary Drainage Management Plan according to the latest work activities. ET also requested the Main Contractor to update 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 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 denvironmental 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 ins	

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

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						generated from soil surface, discharge points and gullies 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	16/11/2021

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

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 : www.fugro.com



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						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 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	08/11/21	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,	23/11/2021

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

 Tel
 : +852 2450 8233

 Fax
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						NMS6A and NMS7 in Zone 1 and 2 which were close to Scenery 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	08/12/2021

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



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						Arrangement (TTA) implementation, unloading and handling of 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	08/12/2021

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



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						Arrangement (TTA) implementation, asphalt removal, unloading 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	23/12/2021

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



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						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 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	30/12/2021

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



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						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.	
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	24/12/2021

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

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 : www.fugro.com



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						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.	
COM-2021- 0272	16/12/21	1823	CCZJV	Noise	16/12/21	A 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 night-time noise nuisance generated from the Tai Po Road (Sha Tin Section) construction site (near Wai Wah Centre, Block 3) in recent days. 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. According to the Main Contractor, the construction work activities were carried out during the permitted hours (22:00-05:00) between 13 <sup>th</sup> and 16 <sup>th</sup> December 2021 (at Zone 2). The night-time construction works included TTA implementation, asphalt removal and cutting works, loading and unloading of materials, lifting steel plate 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 10 <sup>th</sup> December 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.	16/01/2022

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

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 : www.fugro.com



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COM-2021- 0193 and COM-2021- 0202	21/12/21	1823	CCZJV	Noise	23/12/21	Three complaints were received by 1823 from the same complainant (ref: CASE # 3-6727963845 via email) on 21 <sup>st</sup> December 2021 at 8:35 a.m., 22 <sup>nd</sup> December 2021 at 9:18 a.m. and 5:06 p.m. The complainant, Ms. So concerned about the recent day-time noise nuisance generated from day-time construction works from the Tai Po Road (Sha Tin Section) construction site (near Mei Wo House, Wo Che Estate). According to the Main Contractor, the construction works were carried out at day-time (08:00-18:00) between 15 <sup>th</sup> and 22 <sup>nd</sup> December 2021 near Mei Wo House (at Zone 5). The construction work activities included formwork erection, formwork removal, rebar fixing, and concreting works. ET carried out regular day-time noise monitoring on 20 <sup>th</sup> and 21 <sup>st</sup> December 2021 at NMS 16-20 and NMS 26, no exceedance case was found. All the noise monitoring results at the abovementioned stations 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) for school. To minimize the noise impact generated from day-time construction works, the Main Contractor reported that they have implemented an additional noise mitigation measure (with temporary noise barriers) for the Mei Wo House, NSR. During the ET weekly environmental inspection on 13 <sup>th</sup> January 2022, the noise barriers were observed as properly installed. Most of the sight from the nearby NSRs for the noise barrier. There is no particular observation about the noise impact generated from the construction activities during the site inspection. ET reminded the Main Contractor to ensure the additional noise barriers were applied properly next to the PMEs and noisy work. The contractor should minimize the noise impact generated from the daily construction works activities as much as possible.	09/02/2022

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



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COM-2021- 0275	29/12/21	1823	CCZJV	Noise	30/12/21	Two complaints were received by 1823 (ref: CASE # 3- 7043757669 via voice mail) on 29 <sup>th</sup> December 2021 at 12:07 a.m. and (ref: CASE # 3-7046572787 via email) on 29 <sup>th</sup> December 2021 at 1:07 a.m. and 1:18 a.m. (repeat email). The complainant, Mr. Sung concerned about the night-time noise nuisance generated from the Tai Po Road (Sha Tin Section) construction site (near Hilton Plaza) on 23 <sup>rd</sup> December 2021 at 12:30 a.m. and 29 <sup>th</sup> December 2021 at 12:00 a.m. According to Main Contractor, there were night-time construction works carried out at Tai Po Road and near Hilton Plaza (Zone 1 and 2) on 22 <sup>nd</sup> ^ 23 <sup>rd</sup> and 28 <sup>th</sup> ^ 29 <sup>th</sup> December 2021. The works included TTA implementation, pavement breaking along existing profile barriers, excavation (handling of rubble), remove steel plate from the trench, pipe laying inside the trench, reinstate steel plate to cover trench, removal of rubble, plant demobilization, and site clearance on 22 <sup>nd</sup> ^ 23 <sup>rd</sup> December 2021. Moreover, TTA implementation, dismantling of access tower, noise barrier steel post delivery, plant mobilization, pavement breaking along existing profile barriers, erection of noise barrier steel post, removal of existing profile barriers, and site clearance were carried out on 28 <sup>th</sup> ^ 29 <sup>th</sup> December 2021. ET checked that the Main Contractor did not comply with the conditions listed in CNP No.: GW-RN0600-21 and GW-RN0916- 21 during the construction work activities on 22 <sup>nd</sup> ^ 23 <sup>rd</sup> and 28 <sup>th</sup> ^ 29 <sup>th</sup> December 2021 with unauthorized PME being used on- site. Enhance measures and supervision was urged by ET to the Main Contractor to prevent similar incident from happening again. The Main Contractor reported that enhancement measures, included altering the works schedule, enhance supervision and control system are applied currently. The Main Contractor was reminded again by ET to strictly follow and fully comply with the requirement listed in the CNP. Only allowable PMEs listed in the CNP can be used to carry out construction works. Mitigation measures sh	26/01/2022

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



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						according to CNP condition 3.d., 4.d and 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.	
EPD ref.: RN1596-22	17/01/22	EPD	CCZJV	Noise and Dust	18/01/22	The complaint was received by EPD Regional Office (North) (ref: RN1596-22) on 17 <sup>th</sup> January 2022. The complainant who lived near Mei Wo House, Wo Che Estate concerned about the night- time noise and dust nuisance generated from the nearby road. The construction work activities were allowed under the in-force CNP no.: GW-RN0916-21 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 (23:00-05:00) on 13^14 <sup>th</sup> and 14^15 <sup>th</sup> January 2022 (at Zone 5), and these construction activities were carried out within the allowable location listed in the CNP (Zone I). The night-time construction works on 13^14 <sup>th</sup> January 2022 included TTA implementation, Loading and Unloading of rubble, Lifting Operation, and Site Clearance. For 14^15 <sup>th</sup> January 2022, night-time works included TTA implementation, Loading and Unloading of rubble, Lifting operation, Plant mobilization, and Site Clearance. ET checked that the Main Contractor had complied with the conditions in CNP No.: GW-RN0916-21 about the allowable location, constriction time period, PMEs type and groups and mitigation measures. While prior notification was sent to EPD on 7 <sup>th</sup> December 2021 and Notice to Affected Residents – PN162 and 165 have been issued to nearby NSRs on 28 <sup>th</sup> December 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.	26/01/2022

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

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COM-2022- 0313	08/06/22	1823	CCZJV	Noise	15/06/22	A complaint was received via 1823 (ref: CASE#3-7246071575) on 8 <sup>th</sup> June 2022. The complainant who is concerned about the noise nuisance generated from night-time construction works near Wo Che Estate. The construction work activities were allowed under the in-force Construction Noise Permit (CNP) no.: GW-RN0185-22 Road Closure for General Night Works that issued by the EPD. According to the Main Contractor, the construction works activities were carried out during the permitted hours (23:00- 05:00) on 7^8th June 2022. (At Zone 5). The construction activities were carried out within the allowable location (Zone I) and within the site boundary listed in the CNP. The night-time construction works on 7^8th June 2022 included Temporary Traffic Arrangement (TTA) implementation, Erection of noise barrier panels and site clearance. ET checked that the Main Contractor had complied with the conditions listed in CNP No.: GW-RN0185-22. 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.	06/07/22
COM-2022- 320	01/08/22	1823	CCZJV	Dust & Noise	02/08/22	A complaint was received by 1823 (ref: CASE#3- 7318357344) on 25 <sup>th</sup> July 2022. The complainant who is concerned about the dust and noise nuisance generated from construction works near Shatin Plaza. According to the Main Contractor, there were construction activities near Shatin Plaza (Zone 3) on 25th July 2022. Thus, this complaint considered to be related to the project. According to ET investigation, no exceedance cases were found on ET regular day-time noise monitoring. The Main	17/08/22

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

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						Contractor was reminded to provide noise mitigation measures for the PMEs and noisy works to ensure the noise impact generated from the site is minimized. Consider the dust nuisance, no exceedance cases were found on ET regular air quality monitoring. The Main Contractor was reminded to provided dust suppression mitigation measures for the exposed area.	
COM-2022- 326	05/08/22	1823	CCZJV	Noise	15/08/22	A complaint was received by 1823 (ref: CASE#3- 7328538008) on 5th August 2022. The complainant who is concerned about the noise nuisance generated from night- time construction works along Tai Po Road between 3 to 4 a.m. The construction work activities were allowed under the in- force Construction Noise Permit (CNP) no.: GW-RN0476- 22 Road Closure for General Night Works that issued by the EPD. According to the Main Contractor, the construction works activities were carried out during the permitted hours (23:00-04:45). The construction activities were carried out within the allowable location (Zone I, II & III) and within the site boundary listed in the CNP. ET checked that the Main Contractor had complied with the conditions listed in CNP No.: GW-RN0476-22. 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. ET carried out regular night-time noise monitoring on 4th ^	16/09/22

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



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COM-2022- 327	05/08/22	1823	CCZJV	Noise	16/08/22	5th August 2022, no exceedance case was found. A complaint was received by 1823 (ref: CASE#3- 7333891394) on 5th August 2022. The complainant who is concerned about the noise nuisance generated from night- time construction works near Lucky Plaza. The construction Noise Permit (CNP) no.: GW-RN0476- 22 Road Closure for General Night Works that issued by the EPD. According to the Main Contractor, the construction works activities were carried out during the permitted hours (23:00-04:45). The construction activities were carried out within the allowable location (Zone II) and within the site boundary listed in the CNP. ET checked that the Main Contractor had complied with the conditions listed in CNP No.: GW-RN0476-22. 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. ET carried out regular night-time noise monitoring on 4th ^ 5th August 2022, no exceedance case was found.	16/09/22

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

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 : www.fugro.com



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COM-2022- 346	28/10/22	1823	CCZJV	Noise	31/10/22	A complaint was received by the EPD (EPD ref.: RN23746-22) on 28th October 2022. The complainant who is concerned about the noise nuisance generated from night-time construction works near King Wo House. The construction Noise Permit (CNP) no.: GW-RN0848- 22 Road Closure for General Night Works that issued by the EPD. According to the Main Contractor, the construction works activities were carried out during the permitted hours. The construction activities were carried out within the allowable location (Zone I) and within the site boundary listed in the CNP. ET checked that the Main Contractor had complied with the conditions listed in CNP No.: GW-RN0848-22. 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. ET carried out regular night-time noise monitoring on 27th ^ 28th October 2022 at NMS 26, no exceedance case was found. All the noise monitoring results at the above- mentioned station were lower than the limit level (55 dB(A)).	20/11/22

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

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 : www.fugro.com



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COM-2022- 348	4/11/22	1823	CCZJV	Noise	4/11/22	A complaint was received by 1823 (CASE#3-7460684431) on 4 <sup>th</sup> November 2022. The complainant who is concerned about the noise nuisance generated from night-time construction works near Sha Tin Plaza. The construction Noise Permit (CNP) no.: GW-RN0848- 22 Road Closure for General Night Works that issued by the EPD. According to the Main Contractor, the construction works activities were carried out during the permitted hours. The construction activities were carried out within the allowable location (Zone II) and within the site boundary listed in the CNP. ET checked that the Main Contractor had complied with the conditions listed in CNP No.: GW-RN0848-22. 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.	4/1/23
COM-2022- 349	8/11/22	EPD	CCZJV	Noise	10/11/22	A complaint was received by the EPD (EPD ref.: RN23746-22) on 8th November 2022. The complainant who is concerned about the noise nuisance generated from night-time construction works near King Wo House. The construction work activities were allowed under the in- force Construction Noise Permit (CNP) no.: GW-RN0848- 22 Road Closure for General Night Works that issued by the EPD. According to the Main Contractor, the construction works activities were carried out during the	20/11/22

Fugro Development Centre, 5 Lok Yi Street, Tai Lam, Tuen Mun, N.T., Hong Kong. 
 Tel
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						permitted hours. The construction activities were carried out within the allowable location (Zone I) and within the site boundary listed in the CNP. ET checked that the Main Contractor had complied with the conditions listed in CNP No.: GW-RN0848-22. 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.	
COM-2022- 350	10/11/22	1823	CCZJV	Water	10/11/22	A complaint was received by the 1823 (CASE#3- 7469563820) on 10th November 2022. The complainant who is concerned about muddy water discharged from the construction site to the carriageway near New Town Plaza. According to the Resident Engineer, site personnel discovered the freshwater hose pipe was burst at Site Access N09 at 1:30 p.m. Water spilt in the works area and overflow to the carriageway. The watermain valve was closed by the contractor at 1:45 p.m. and completed replaced the damaged hoes pipe at around 3:00 p.m. According to the Resident Engineer, no muddy water and mud were deposited on the carriageway around the site Access N09. ET checked that the case was a burst of freshwater hose and there was no untreated muddy water discharge was found from the construction site.	29/11/22

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



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COM-2022- 351, COM- 2022-352	13/11/22	EPD	CCZJV	Noise	14/11/22	Two complaint was received by the EPD (EPD ref.: RN25243-22, RN25259-22) on 13th November 2022. The complainants who are concerned about the noise nuisance generated from night-time construction works near Tai Po Road next to Sha Tin MTR Station. The construction work activities were allowed under the in- force Construction Noise Permit (CNP) no.: GW-RN0848- 22 Road Closure for General Night Works that issued by the EPD. According to the Main Contractor, the construction works activities were carried out during the permitted hours. The construction activities were carried out within the allowable location (Zone II & III) and within the site boundary listed in the CNP. ET carried out regular night-time noise monitoring on 10th ^ 11th November 2022 at NMS5A, NMS6A, NMS8, NMS9 and NMS24, no exceedance case was found. All the noise monitoring results at the above-mentioned station were lower than the limit level (55 dB(A)). ET checked that the Main Contractor had complied with the conditions listed in CNP No.: GW-RN0848-22. 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.	6/12/22

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



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COM-2022- 353	17/11/22	1823	CCZJV	Noise	17/11/22	A complaint was received by 1823 (CASE#3-7478880132) on 17th November 2022. The complainants who are concerned about the noise nuisance generated from night- time construction works near Sha Tin Rural Committee Road. The construction Noise Permit (CNP) no.: GW-RN0848- 22 Road Closure for General Night Works that issued by the EPD. According to the Main Contractor, the construction works activities were carried out during the permitted hours. The construction activities were carried out within the allowable location (Zone II) and within the site boundary listed in the CNP. ET carried out regular night-time noise monitoring on 15th ^ 16th November 2022 at NMS8, NMS9, NMS24 and NMS25A, no exceedance case was found. All the noise monitoring results at the above-mentioned station were lower than the limit level (55 dB(A)). ET checked that the Main Contractor had complied with the conditions listed in CNP No.: GW-RN0848-22. 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.	13/12/22

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



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COM-2022- 354	17/11/22	EPD	CCZJV	Noise	26/11/22	A complaint was received from EPD (EPD ref: RN25860- 22) on 17th November 2022. The complainants who are concerned about the noise nuisance generated from night- time construction works near Wo Che Estate (between Man Wo House and Mei Wo House). The construction Noise Permit (CNP) no.: GW-RN0848- 22 Road Closure for General Night Works that issued by the EPD. According to the Main Contractor, the construction works activities were carried out during the permitted hours. The construction activities were carried out within the allowable location (Zone I) and within the site boundary listed in the CNP. ET carried out regular night-time noise monitoring on 15th ^ 16th November 2022 at NMS19, and NMS20, no exceedance case was found. All the noise monitoring results at the above-mentioned station were lower than the limit level (55 dB(A)). ET checked that the Main Contractor had complied with the conditions listed in CNP No.: GW-RN0848-22. 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.	4/1/23

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



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COM-2022- 356, COM- 2022-357, COM-2022- 358	29/11/22	1823	CCZJV	Noise	29/11/22	Three complaints were received by 1823 (CASE#3- 7495426348, CASE#3-7495543588, CASE#3- 7495866890) on 29th November 2022. The complainants who are concerned about the noise nuisance generated from night-time construction works near Tai Po Road. The construction Noise Permit (CNP) no.: GW-RN0848- 22 Road Closure for General Night Works that issued by the EPD. According to the Main Contractor, the construction works activities were carried out during the permitted hours. The construction activities were carried out within the allowable location (Zone I) and within the site boundary listed in the CNP. ET checked that the Main Contractor did not comply with the conditions 3.d.19 and 4.d.9 listed in CNP No.: GW- RN0848-22. To discuss the enhancement measures, enhance supervision and control system, an ad-hoc meeting was carried out on 13 December 2022 with the CEDD, ER, IEC, Contractor and ET. A presentation for enhancement measures and enhance supervision was carried out by the contractor on 16 December 2022 with the ER and ET. According to the Main Contractor, to prevent further submission delay, the notification will be notified to the EPD within two consecutive weeks on the Friday of previous working week.	4/1/22

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



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COM-2022- 359	14/12/22	1823	CCZJV	Noise	14/12/22	A complaint was received by 1823 (CASE#3-7516169709) on 14th December 2022. The complainant who is concerned about the noise nuisance generated from night- time construction works near Tai Po Road next to the Shatin Plaza. The construction Noise Permit (CNP) no.: GW-RN0848- 22 Road Closure for General Night Works that issued by the EPD. According to the Main Contractor, the construction works activities were carried out during the permitted hours. The construction activities were carried out within the allowable location (Zone II) and within the site boundary listed in the CNP. ET carried out regular night-time noise monitoring on 13th ^ 14th December 2022 at NMS8, and NMS24, no exceedance case was found. All the noise monitoring results at the above-mentioned station were lower than the limit level (55 dB(A)). ET checked that the Main Contractor had complied with the conditions listed in CNP No.: GW-RN0848-22. 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.	4/1/22

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

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 : www.fugro.com



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COM-2022- 364	20/12/22	1823	CCZJV	Noise	20/12/22	A complaint was received by 1823 (CASE#3-7523479466) on 20th December 2022. The complainant who is concerned about the noise nuisance generated from night- time construction works near Tai Po Road next to the Citylink Plaza on 2 December 2022 at 2:00 a.m. The construction Noise Permit (CNP) no.: GW-RN0848- 22 Road Closure for General Night Works that issued by the EPD. According to the Main Contractor, the construction works activities were carried out during the permitted hours. The construction activities were carried out within the allowable location (Zone II) and within the site boundary listed in the CNP. ET checked that the Main Contractor had complied with the conditions listed in CNP No.: GW-RN0848-22. 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.	16/02/23

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



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COM-2023- 376	18/01/23	1823	CCZJV	Noise	18/1/23	A complaint was received by 1823 (CASE#3-7559583506) on 18th January 2023. The complainant who is concerned about the noise nuisance generated from day time construction works near Tai Po Road. The complainant is concerned about the noise nuisance generated from the day-time construction works activities near Tai Po Road at Zone 5 on 18th January 2023 at 7:00 a.m. to 8:00 a.m. According to Main Contractor and AECOM's information, there was no construction work undertaken near the concerned area from 7:00 a.m. to 8:00 a.m. ET checked that the complaint received on 18th January 2023 is non-project related.	16/2/23

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



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COM-2023- 382	31/01/23	EPD	CCZJV	Noise	1/2/23	A complaint was received from the EPD (EPD ref.: RN2643-23) on 2nd February 2023. The complainant is concerned about the noise nuisance generated by the night-time construction works activities near Tai Po Road near the Fo Tan Road from 1:00 a.m. to 3:00 a.m. on 31st January 2023. ET checked that the Main Contractor had complied with the conditions listed in CNP No.: GW-RN1176-22. 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 unload the material at a lower level into the dump truck to ensure the noise generated is as low as possible.	16/2/23

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



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COM-2023- 383	01/02/23	EPD	CCZJV	Noise	1/2/23	A complaint was received from EPD (EPD ref.: RN2721- 23) on 1st February 2023. The complainant is concerned about the noise nuisance generated by the night-time construction works activities near Tai Po Road next to Wo Shun House and Fung Wo Estate from 12:00 a.m. to 2:00 a.m. on 1st February 2023. According to Main Contractor, the night-time construction works included plant mobilization, loading and unloading construction material and loading and unloading C&D waste material were carried out between 31st January and 1st February 2023. ET checked that the Main Contractor had complied with the conditions listed in CNP No.: GW-RN1176-22. 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. ET carried out regular night-time noise monitoring on 31st January ^ 1st February 2023 at NMS26, no exceedance case was found. All the noise monitoring results at the above-mentioned station were lower than the limit level (55 dB(A)). The Main Contractor was reminded to unload the material at a lower level into the dump truck to ensure the noise generated is as low as possible.	16/2/23

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



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COM-2023- 384	6/2/23	1823	CCZJV	Wastewater	6/2/23	A complaint was received by the 1823 (CASE#3- 7578244130) on 6th February 2023. The complainant who is concerned about wastewater discharged from the construction site to the Tai Po Rad carriageway on 4th February 2023. According to the Main Contractor, the water was from emptying the water barriers and flowed outside the site without washing dirt and mud. ET checked that no untreated wastewater was discharge to the carriageway. The main contractor is reminded to provide more training to the frontline staff to ensure no more water will be direct discharge from the construction site. The main contractor is reminded that surface run-off should be prevented from directly entering the sensitive receivers during the construction works. The main contractor is reminded that the wastewater generated on-site should be collected and treated to meet the requirements of the discharge license before being discharged.	27/2/23

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



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COM-2023- 385	14/2/23	1823	CCZJV	Noise	14/2/23	A complaint was received by 1823 (CASE#3-7591662478) on 14th February 2023. The complainant is concerned about the noise nuisance generated by the night-time construction works activities near Tai Po Road next to Wo Che Estate. According to the Main Contractor, the night-time construction works included TTA implementation, loading and unloading, pouring non-fine concrete and asphalt paving were carried out between 13th and 14th February 2023. ET checked that the Main Contractor had complied with the conditions listed in CNP No.: GW-RN1176-22. 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. According to AECOM, the acoustic barrier was not fully used during the whole process of road paving. The Main Contractor was reminded to use the acoustic barrier for blocking the power generating part of the PME to ensure the noise can be minimized.	3/3/23

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



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COM-2023- 386	20/2/23	Contract Hotline Phone Call	CCZJV	Noise	21/2/23	A complaint was received by Contract Hotline Phone Call (COM-2023-0386) on 20th February 2023. The complainant is concerned about the noise nuisance generated by the night-time construction works activities near Tai Po Road next to Wo Che Street between 17th and 18th February 2023 from 0:00 to 04:00 a.m. According to the Main Contractor, the night-time construction works included TTA implementation, loading and unloading and site clearance were carried out between 17th and 18th February 2023. ET checked that the Main Contractor had complied with the conditions listed in CNP No.: GW-RN1176-22. 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 be slow and careful when carrying out loading and unloading to avoid remarkable noise nuisance.	17/3/2023

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

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 : www.fugro.com



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COM-2023- 387	24/2/23	1823	CCZJV	Noise	25/2/23	A complaint was received by 1823 (CASE#3-7605775385) on 24th February 2023. The complainant is concerned about the noise nuisance generated by the night-time construction works activities near Tai Po Road next to Wo Che Estate. According to the Main Contractor, the night-time construction works included TTA implementation, loading and unloading, pouring non-fine concrete and asphalt paving were carried out between 20th and 24th February 2023. ET checked that the Main Contractor had complied with the conditions listed in CNP No.: GW-RN1176-22. 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. ET carried out regular night-time noise monitoring on 23rd ^ 24th February 2023 at NMS19, and NMS20, no exceedance case was found. All the noise monitoring results at the above-mentioned station were lower than the limit level (55 dB(A)).	17/3/2023

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

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 : www.fugro.com



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COM-2023- 388	25/2/23	1823	CCZJV	Noise	25/2/23	A complaint was received by 1823 (CASE#3-7608102288) on 25th February 2023. The complainant is concerned about the noise nuisance generated by the night-time construction works activities near Tai Po Road on 25th February 2023 from 4 a.m. to 5 a.m. According to the Main Contractor, the night-time construction works included plant mobilization and site clearance were carried out on 25th February 2023. ET checked that the Main Contractor had complied with the conditions listed in CNP No.: GW-RN1176-22. 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.	17/3/2023

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



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COM-2023- 392 and 393	2/3/2023	CEDD	CCZJV	Noise	3/3/2023	Two complaints were received from CEDD (COM-2023- 392 and 393) on 2nd March 2023. The complainants are concerned about the noise nuisance generated by the night-time construction works activities near Tai Po Road next to Man Wo House. According to the Main Contractor, the night-time construction works included TTA implementation, loading and unloading, noise barrier installation, asphalt milling, asphalt paving and site clearance were carried out on 2nd March 2023. According to the Main Contractor, the road miller, asphalt paver and road roller were used behind acoustic barriers when road paving works was carrying out. Also, the internal sound absorbing lining was installed for those engine compartments. According to the Main Contractor, the soft padding material was padded on the ground when loading and unloading the steel rebars. ET checked that the Main Contractor had complied with the conditions listed in CNP No.: GW-RN1176-22. 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 use the allowable PMEs listed in CNP condition 3.d for performing night-time construction works. Mitigation measures need to be applied according to the requirement in conditions 3.d and	17/3/2023

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



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	Received					4.d. The Main Contractor was also be reminded to pay attention to CNP conditions 3a, 3.d.1, 3.d.5, 3.d.6, 3.d.7 and 3.d.14 for using PMEs and need to provide related noise mitigation measures when carrying out similar night- time construction work activities in the future.	

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

 Tel
 : +852 2450 8233

 Fax
 : +852 2450 6138

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 : matlab@fugro.com

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COM-2023- 394	9/3/2023	EPD	CCZJV	Noise	10/3/2023	A complaint was received from EPD (EPD ref.: RN6366- 23) on 9th March 2023. The complainant is concerned about the noise nuisance generated by the night-time construction works activities near Tai Po Road from 1 a.m. to 4 a.m. According to the Main Contractor, the night-time construction works included TTA implementation and loading and unloading were carried out on 9th March 2023. ET checked that the Main Contractor had complied with the conditions listed in CNP No.: GW-RN1176-22. 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 be slow and careful when carrying out loading and unloading to avoid remarkable noise nuisance. The Main Contractor was reminded to use the allowable PMEs listed in CNP condition 3.d for performing night-time construction works. Mitigation measures need to be applied according to the requirement in conditions 3.d and 4.d. The Main Contractor was also be reminded to pay attention to CNP conditions 3a, 3.d.1, 3.d.5, 3.d.6, 3.d.7 and 3.d.14 for using PMEs and need to provide related noise mitigation measures when carrying out similar night- time construction work activities in the future.	17/3/2023

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



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COM-2023- 395	14/3/2023	EPD	CCZJV	Noise	15/3/2023	A complaint was received from EPD (EPD ref.: RN6778- 23) on 14th March 2023. The complainant is concerned about the noise nuisance generated by the night-time construction works activities near Tai Po Road on 14th March 2023 from 2 a.m. to 3 a.m. According to the Main Contractor, the night-time construction works included loading and unloading were carried out on 14th March 2023 from 2 a.m. to 3 a.m. ET checked that the Main Contractor had complied with the conditions listed in CNP No.: GW-RN1176-22. 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 be slow and careful when carrying out loading and unloading to avoid remarkable noise nuisance. The Main Contractor was reminded to use the allowable PMEs listed in CNP condition 3.d for performing night-time construction works. Mitigation measures need to be applied according to the requirement in conditions 3.d and 4.d. The Main Contractor was also be reminded to pay attention to CNP conditions 3a, 3.d.1, 3.d.5, 3.d.6, 3.d.7 and 3.d.14 for using PMEs and need to provide related noise mitigation measures when carrying out similar night- time construction work activities in the future.	24/3/2023

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

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 : www.fugro.com



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COM-2023- 402	18/3/2023	Contract Hotline	CCZJV	Noise	20/3/2023	A complaint was received by contract hotline (COM-2023- 402) on 18th March 2023. The complainant is concerned about the noise nuisance generated by placing traffic cones on Tai Po Road during night-time construction activities on 18th March 2023. According to the Main Contractor, all workers were briefed before the works started. The workers were reminded the traffic cones must be put on the ground, rather than throwing. ET checked that the Main Contractor had complied with the conditions listed in CNP No.: GW-RN1176-22. 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 place the traffic cones slowly and carefully to minimize the noise nuisance generated. The Main Contractor was reminded to use the allowable PMEs listed in CNP condition 3.d for performing night-time construction works. Mitigation measures need to be applied according to the requirement in conditions 3.d and 4.d. The Main Contractor was also be reminded to pay attention to CNP conditions 3a, 3.d.1, 3.d.5, 3.d.6, 3.d.7 and 3.d.14 for using PMEs and need to provide related noise mitigation measures when carrying out similar night- time construction work activities in the future.	

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

 Tel
 : +852 2450 8233

 Fax
 : +852 2450 6138

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COM-2023- 403	18/3/2023	1823	CCZJV	Noise	20/3/2023	Two complaints were received by 1823 (CASE#3- 7637259453 & #3-7637259880) on 18th March 2023. The complainant is concerned about the noise nuisance generated by the night-time construction works activities near Tai Po Road on 18th March 2023. According to the Main Contractor, no Power Mechanical Equipment was included in the relevant complainant cases on 18th March 2023. Referring to the complainant's video, the noise was generated when the frontline workers threw the materials from a height to the ground. In addition, the contractor's mitigation measure is not enough to minimize the noise generated. The Main Contractor was reminded to provide more training for frontline workers to ensure that they work with minimum noise. According to the Main Contractor, a night-work foreman was arranged to keep close monitoring the noisy work and ensure the compliance of CNP at night. The Main Contractor was reminded to unload all the construction materials slowly and carefully to minimize the noise generated. ET checked that the Main Contractor had complied with the conditions listed in CNP No.: GW-RN1176-22. 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.	18/4/2023

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



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						The Main Contractor was reminded to use the allowable PMEs listed in CNP condition 3.d for performing night-time construction works. Mitigation measures need to be applied according to the requirement in conditions 3.d and 4.d. The Main Contractor was also be reminded to pay attention to CNP conditions 3a, 3.d.1, 3.d.5, 3.d.6, 3.d.7 and 3.d.14 for using PMEs and need to provide related noise mitigation measures when carrying out similar night- time construction work activities in the future.	
COM-2023- 404	18/3/2023	1823	CCZJV	Wastewater	20/3/2023	A complaint was received by 1823 (CASE#3-7637522160) on 18th March 2023. The complainant is concerned about the wastewater leaking from the STRCR to the below carriageway. The complainant who is concerned about the wastewater leaking into the carriageway surface from STRCR on 18th March 2023. ET checked that the complaint was considered to be related to the project. According to the Main Contractor, the dripping was caused by the concrete curing work above the STRCR structure. According to the Main Contractor, the drip source reparation work was conducted on 20th March and completed on 26th March 2023. No more drip source was observed. During the site inspection, ET checked the main contractor had used the tarpaulin sheet as the mitigation measure of the concrete was reminded to periodic inspection the site situation to ensure the mitigations are effective. The Main Contractor was reminded that the run-off should	10/5/2023

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



Reference No.	Date of Complaint Received	Received From	Received By	Nature of Complaint	Date of Investigation	Investigation summary & Conclusion	Date of Reply
						be prevented from directly entering the sensitive receivers during the construction works. The Main Contractor was reminded that all wastewater generated on-site should be collected and treated to meet the requirements of the discharge license before being discharged.	

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



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COM-2023- 406	23/3/2023	1823	CCZJV	Wastewater	24/3/2023	A complaint was received by 1823 (CASE#3-7616071795) on 23rd March 2023. The complainant is concerned about the wastewater leaking to the drainage system. The complainant who is concerned the wastewater discharged to the drainage system on the carriageway road. ET checked that the complaint was considered to be related to the project. According to the Main Contractor, the water was the result of the excessive curing water seeped underneath the STRCR flyover. The dripping ceased shortly. Due to the small quantity and short time, the dripping did not constitute a continuous flow. According to the Main Contractor, the drip source was repaired on 26 March 2023. No more drip source was observed. During the site inspection, ET checked the main contractor had used the tarpaulin sheet as the mitigation measure of the concrete curing work. ET checked no wastewater was discharged at the concerned area after the reparation work. The Main Contractor was reminded that the run-off should be prevented from directly entering the sensitive receivers during the construction works. The Main Contractor was reminded that all wastewater generated on-site should be collected and treated to meet the requirements of the discharge license before being discharged.	10/5/2023

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



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COM-2023- 411	18/4/2023	1823	CCZJV	Noise	21/4/2023	A complaint was received by 1823 (CASE#3-7677865059) on 18th April 2023. The complainant who is concerned about the noise nuisance generated from night-time construction works near Tai Po Road. ET checked that the Main Contractor had complied with the conditions listed in CNP No.: GW-RN0292-23. 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 work should be carried out as quickly as possible to minimize the noise nuisance to the sensitive receivers. The Main Contractor was reminded to use the allowable PMEs listed in CNP condition 3.d for performing night-time construction works. Mitigation measures need to be applied according to the requirement in conditions 3.d and 4.d. The Main Contractor was also be reminded to pay attention to CNP conditions 3a, 3.d.1, 3.d.5, 3.d.6, 3.d.7 and 3.d.14 for using PMEs and need to provide related noise mitigation measures when carrying out similar night- time construction work activities in the future.	

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

 Tel
 : +852 2450 8233

 Fax
 : +852 2450 6138

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 : www.fugro.com



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COM-2023- 412	28/4/2023	EPD	CCZJV	Noise	28/4/2023	The construction work activities were allowed under the inforce Construction Noise Permit (CNP) no.: GW-RN0292-23 Road Closure for General Night Works issued by the EPD. According to the Main Contractor, the construction works activities were carried out during the permitted hours. The construction activities were carried out within the allowable location (Zone I) and within the site boundary listed in the CNP. According to the Main Contractor, the night-time construction works included TTA implementation, Loading & unloading, Asphalt Milling, Asphalt Paving and Concreting were carried out between 20th and 25th April 2023. According to the Main Contractor, no construction works were carried out between 23rd and 24th April 2023. According to AECOM information, only housekeeping was carried out on 23rd ^ 24th April 2023. No major construction work was recorded on Sunday. The Environmental Officer reported that a prior notification was sent to EPD on 13th April 2023 at 02:08 p.m. and 20th April 2023 at 01:48 p.m. While "Notice to Affected Residents – PN240" was sent to the Sha Tin District Council, Local Residents, Private Development and Others on 29th March 2023. ET carried out regular night-time noise monitoring on 20th ^ 21st April 2023 at NMS16, NMS18, NMS19, NMS20 and NMS26, no exceedance case was found. All the noise monitoring results at the above-mentioned station were lower than the limit level (55 dB(A)). ET checked that the Main Contractor had complied with the conditions listed in CNP No.: GW-RN0292-23. The	8/5/2023

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



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						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 work should be carried out as quickly as possible to minimize the noise nuisance to the sensitive receivers. The Main Contractor was reminded to use the allowable PMEs listed in CNP condition 3.d for performing night-time construction works. Mitigation measures need to be applied according to the requirement in conditions 3.d and 4.d. The Main Contractor was also be reminded to pay attention to CNP conditions 3a, 3.d.1, 3.d.5, 3.d.6, 3.d.7 and 3.d.14 for using PMEs and need to provide related noise mitigation measures when carrying out similar night- time construction work activities in the future.	

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

 Tel
 : +852 2450 8233

 Fax
 : +852 2450 6138

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COM-2023- 502	12/5/2023	1823	CCZJV	Noise	19/5/2023	A complaint was received by 1823 (CASE#3-7709231017) on 12th May 2023. The complainant who is concerned about the noise nuisance generated from night-time construction works near Tai Po Road. ET carried out regular night-time noise monitoring on 9th ^ 10th May 2023 at NMS9 and NMS13, no exceedance case was found. All the noise monitoring results at the above- mentioned station were lower than the limit level (55 dB(A)). ET checked that the Main Contractor had complied with the conditions listed in CNP No.: GW-RN0292-23. 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 use the allowable PMEs listed in CNP condition 3.d for performing night-time construction works. Mitigation measures need to be applied according to the requirement in conditions 3.d and 4.d. The Main Contractor was also be reminded to pay attention to CNP conditions 3a, 3.d.1, 3.d.5, 3.d.6, 3.d.7 and 3.d.14 for using PMEs and need to provide related noise mitigation measures when carrying out similar night- time construction work activities in the future.	9/6/2023

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

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 : www.fugro.com



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COM-2023- 503	19/5/2023	1823	CCZJV	Noise	22/5/2023	A complaint was received by 1823 (CASE#3-7722776885) on 19th May 2023. The complainant who is concerned about the noise nuisance generated from night-time construction works near Tai Po Road. According to the Main Contractor, additional temporary noise barriers will be provided as an enhancement noise mitigation measure. ET checked that the Main Contractor had complied with the conditions listed in CNP No.: GW-RN0514-23. 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 use the allowable PMEs listed in CNP condition 3.d for performing night-time construction works. Mitigation measures need to be applied according to the requirement in conditions 3.d and 4.d. The Main Contractor was also be reminded to pay attention to CNP conditions 3a, 3.d.1, 3.d.5, 3.d.6 and 3.d.7 for using PMEs and need to provide related noise mitigation measures when carrying out similar night-time construction work activities in the future.	9/6/2023

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



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COM-2023- 504	14/5/2023	EPD	CCZJV	Noise	23/5/2023	A complaint was received from EPD (EPD ref.: RN12170- 23) on 14th May 2023. The complainant is concerned about the noise nuisance generated by the night-time construction works activities near Lek Yuen Estate after 7:00 p.m. According to the Main Contractor and AECOM information, no construction works were carried out between 19:00 and 22:00. Also, no construction works were carried out at Zone 3 on 12th ^13th May 2023. ET checked that the Main Contractor had complied with the conditions listed in CNP No.: GW-RN0292-23 and CNP no. GW-RN0227-23. 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 use the allowable PMEs listed in CNP condition 3.d for performing night-time construction works. Mitigation measures need to be applied according to the requirement in conditions 3.d and 4.d. The Main Contractor was also be reminded to pay attention to CNP conditions 3a, 3.d.1, 3.d.5, 3.d.6, 3.d.7 and 3.d.14 for using PMEs and need to provide related noise mitigation measures when carrying out similar night- time construction work activities in the future.	5/6/2023

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



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COM-2023- 510	30/6/2023	1823	CCZJV	Noise	30/6/2023	A complaint was received by 1823 (CASE#3-7780620261) on 30th June 2023. The complainant is concerned about the noise nuisance generated by the night-time construction works activities near Wai Wah Centre. According to the Main Contractor, all crane lorry and dump truck drivers were briefed to load all material at the lower level to minimize noise generation. ET carried out regular night-time noise monitoring on 29th ^ 30th June 2023 at NMS5A, NMS6A and NMS8, no exceedance case was found. All the noise monitoring results at the above-mentioned station were lower than the limit level (55 dB(A)). ET checked that the Main Contractor had complied with the conditions listed in CNP No.: GW-RN0627-23. 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 use the allowable PMEs listed in CNP condition 3.d for performing night-time construction works. Mitigation measures need to be applied according to the requirement in conditions 3.d and 4.d. The Main Contractor was also be reminded to pay attention to CNP conditions 3a, 3.d.1, 3.d.5, 3.d.6, 3.d.7 and 3.d.14 for using PMEs and need to provide related noise mitigation measures when carrying out similar night- time construction work activities in the future.	4/7/2023

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

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 : www.fugro.com



Reference No.	Date of Complaint Received	Received From	Received By	Nature of Complaint	Date of Investigation	Investigation summary & Conclusion	Date of Reply
CASE# 3- 778274445 4	3/7/2023	1823	CCZJV	Noise	3/7/2023	A complaint was received by 1823 (CASE# 3- 7782744454) on 3rd July 2023. The complainant who is concerned about the noise nuisance generated from night- time construction works near Jockey Club Ti-I College. Due to the distance of the concerned area is far from the construction site, the complaint was considered to be non- project related. ET carried out regular night-time noise monitoring on 29th ^ 30th June 2023 at NMS19, no exceedance case was found. All the noise monitoring results at the above- mentioned station were lower than the limit level (55 dB(A)). ET checked that the Main Contractor had complied with the conditions listed in CNP No.: GW-RN0627-23. 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 use the allowable PMEs listed in CNP condition 3.d for performing night-time construction works. Mitigation measures need to be applied according to the requirement in conditions 3.d and 4.d. The Main Contractor was also be reminded to pay attention to CNP conditions 3a, 3.d.1, 3.d.5, 3.d.6, 3.d.7 and 3.d.14 for using PMEs and need to provide related noise mitigation measures when carrying out similar night- time construction work activities in the future.	12/7/2023

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



Reference No.	Date of Complaint Received	Received From	Received By	Nature of Complaint	Date of Investigation	Investigation summary & Conclusion	Date of Reply
EPD ref. RN14897- 23	7/7/2023	EPD	CCZJV	Noise	7/7/2023	A complaint was received by EPD (EPD ref. RN14897-23) on 7th July 2023. The complainant who is concerned about the noise nuisance generated from night-time construction works near Scenery Court. According to the Main Contractor, no construction activities were carried out near Scenery Court. The nearest activities were carried out near Wai Wah Centre. Due to the certain distance between the working area and the concerned area, this complaint was considered to be non- project related. ET checked that the Main Contractor had complied with the conditions listed in CNP No.: GW-RN0292-23. 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 use the allowable PMEs listed in CNP condition 3.d for performing night-time construction works. Mitigation measures need to be applied according to the requirement in conditions 3.d and 4.d. The Main Contractor was also be reminded to pay attention to CNP conditions 3a, 3.d.1, 3.d.5, 3.d.6, 3.d.7 and 3.d.14 for using PMEs and need to provide related noise mitigation measures when carrying out similar night- time construction work activities in the future.	12/7/2023

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

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 : www.fugro.com



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EPD ref.: RN16920- 23	19/7/2023	EPD	CCZJV	Muddy Water	19/7/2023	A complaint was received by EPD (EPD ref.: RN16920-23) on 19th July 2023. The complainant who is concerned about the untreated muddy water discharged from the construction site to the Shing Mun River. According to the government's info-map, the drainage network of the concerned water outfall is distributed along the Wo Che Street and construction site area Zone 4 is also covered in the network. According to the Main Contractor, all the work activities were operated with suitable water treatment facilities and no water discharged between 11th July 2023 14th July 2023. According to AECOM photo records on 12th July 2023, a small amount of muddy water leakage through the sandbag bunding into the manhole at Zone 4 was observed. However, the leakage is not sufficient to form the muddy water discharge at Shing Mun River. The Main Contractor was reminded to periodic inspection the site situation to ensure all the mitigation measures are effective. The Main Contractor was reminded that the run-off should be prevented from directly entering the sensitive receivers during the construction works. The Main Contractor was reminded that all wastewater generated on-site should be collected and treated to meet the requirements of the discharge license before being discharged. ET checked that there is no sufficient evidence to prove that the complaint is related to the project. complaint was received by 1823 (CASE#3-7677865059) on 26th July 2023.	26/7/2023

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



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CASE#3- 76778650 59	26/7/2023	1823	CCZJV	Noise	26/7/2023	A complaint was received by 1823 (CASE#3-7677865059) on 26th July 2023. The complainant who is concerned about the noise nuisance generated from night-time construction works near Sui Wo Court. According to the Main Contractor, the hand-held breaker was used inside the acoustic enclosure. According to the Main Contractor and AECOM, acoustic barriers were set up in the direction of Wo Che Estate during the construction activities. However, due to the safety reason, the noise barriers cannot set up in the direction of Sui Wo Court. According to the Main Contractor, refreshment training will be provided to the frontline supervisory staff about the CNP requirements to ensure all the construction activities fulfil all the conditions in the CNP. ET checked that the Main Contractor had complied with the conditions listed in CNP No.: GW-RN0627-23. 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 use the allowable PMEs listed in CNP condition 3.d for performing night-time construction works. Mitigation measures need to be applied according to the requirement in conditions 3.d and 4.d. The Main Contractor was also be reminded to pay attention to CNP conditions 3a, 3.d.1, 3.d.5, 3.d.6, 3.d.7	1/8/2023

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

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 : www.fugro.com



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						and 3.d.14 for using PMEs and need to provide related noise mitigation measures when carrying out similar night- time construction work activities in the future.	

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



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CASE#3- 78756157 50	31/8/2023	1823	CCZJV	Muddy Water	4/9/2023	<ul> <li>A complaint was received by 1823 (CASE#3- 7875615750) on 31st August 2023. The complainant who is concerned about the muddy water flooded out of the construction site.</li> <li>ET is carrying out an investigation and the investigation report is expected to be submitted to EPD at the end of September 2023.</li> </ul>	Expected to be submitted at the end of September 2023.

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



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

Environmental Parameters	Cumulative No. Brought Forward	No. of Complaints This Month	Cumulative Project- to-Date
Air	7	0	7
Noise	79	0	79
Water	8	1	9
Waste	0	0	0
Total	94*	1	95*

\*The 1<sup>st</sup> complaint in March 2021, Jan 2022 and July 2022 were included both the air and noise parameters, hence the total no. of complaints is deducted by 2.

#### 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	1	0	1
Water	0	0	0
Waste	0	0	0
Total	1	0	1

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 M

Summary of Site Audit in the Reporting Month

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



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

Parameter	Date	Observations and Reminders	Follow-up Action Taken	
Air Quality	31/8/23	Observation 2: The cement material should be covered. (Zone 3, S06)	Cement bags were covered.	
Noise		No specific observation was identified in the reporting month.		
Water Quality	3/8/23	Observation 2: The water discharge should meet the requirement of the discharge license. The contractor is reminded to review the capacity of the sedimentation tank and the sedimentation time. The contractor is reminded to desilting frequently to ensure there is enough volume for the tank. The contractor is recommended to add Alum to speed up the process of sedimentation time. (Zone 3, SB)	Sedimentation tank was clear.	
	3/8/23	Observation 4: The sediment outside the water barriers should be cleared. (Zone 3, CM, S18)	Soil stain near water barrier edge was cleared.	
	3/8/23	Observation 6: The U-channel should be cleared to prevent waste and sand from being washed into the drainage system. (Zone 3, SB, SR6)	U-channel was cleared.	
	10/8/23	Observation 1: Sandbags bunding should be provided for guiles. (Zone 3, SB)	Sandbags were provided.	
	10/8/23	Observation 3: The broken sandbag should be replaced. (Zone 4, CM)	Sandbags were replaced.	
	10/8/23	Observation 4: The contractor is reminded to review the sediment procedure. (Zone 4, CM) The inlet pipe and outlet pipe should not be placed together. The outlet pump should not be arranged in a position that is too low in the sedimentation tank. The contractor is recommended to use the original outlet of the sedimentation tank.	Blue pipes connected to sedimentation tank were modified.	
	31/8/23	Observation 1: The sediment inside the sedimentation tank should be cleared. (Zone 3, S06, & Zone 5, CM)	Sedimentation tanks were cleared.	
	31/8/23	Observation 5: The mud along the water barriers should be cleared. Also, sandbags should be provided. (Zone 3, SB, S04)	Cut-off drain was cleared.	
	31/8/23	Reminder 1: Sandbags should be provided along the school area to prevent the muddy water from flowing into the school. (Zone 3, SB)	N.A	

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



Parameter	Date	Observations and Reminders	Follow-up Action Taken
	31/8/23	Reminder 2: The contractor is reminded to review the sedimentation tank to ensure there is enough capacity to handle the adverse weather in the coming days.	N.A
Chemical and Waste Management	3/8/23	Observation 1: Oil drums should be removed. (Zone 3, SB)	Oil drums were removed.
	3/8/23	Observation 3: The construction waste should be cleared. (Zone 3, SB)	Waste was cleared.
	10/8/23	Observation 2: Drip tray should be provided for chemical containers. (Zone 3, SB)	Oil containers were removded.
	17/8/23	Observation 2: The construction waste should be cleared regularly. (Zone 3, SB)	Waste was cleared.
	21/8/23	Observation 1: Drip trays should be provided for chemical containers. Also, the empties containers should be removed. (Zone 3, SB)	Chemical containers were removded.
	21/8/23	Observation 2: Segregation and disposal of construction waste and general refuse should be implemented. (Zone 3, SB)	Waste was cleared.
	21/8/23	Observation 3: The contractor is reminded to provide a suitable area for temporary storage of chemical waste. The construction materials in front of the chemical cabinet should be cleared. (Zone 3, SB)	Chemical waste storage area was kept clean.
	31/8/23	Observation 4: The stagnant water inside the drip tray should be cleared. (Zone 3, SB)	Stagnant water was cleared.
Land Contamination	3/8/23	Observation 5: The rock breaker should be placed on a tarpaulin sheet to prevent land contamination. (Zone 3, CM, S18)	Rock breaker head was removed.
	17/8/23	Observation 1: Tarpaulin sheets should be padded under the rock breakers to prevent land contamination. (Zone 3, SB& CM)	Rock breaker heads were removed.
	31/8/23	Observation 3: Impermeable sheeting should be provided for the rock breaker to prevent land contamination. (Zone 3, SB)	Rock breaker head was removed.
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	10/8/23	Observation 5: The faded NRMM should be replaced. (Zone 5, CM)	NRMM was replaced.