SERVICE CONTRACT NO: EDO/03/2025

ENVIRONMENTAL TEAM FOR DEVELOPMENT OF ANDERSON ROAD QUARRY SITE - ROAD IMPROVEMENT WORKS

UNDER ENVIRONMENTAL PERMIT NO. EP-513/2016

MONTHLY ENVIRONMENTAL MONITORING & AUDIT REPORT

OCTOBER 2026

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Job No. : TM1040-25
Date : 13 November 2026

By Email

Civil Engineering and Development Department
8/F, South Tower, West Kowloon Government Offices
11 Hoi Ting Road
Yau Ma Tei, Kowloon

Attn.: Mr. Lee Ming Keung, Marco (Ch Engr/ E2, EDO, CEDD)

Dear Sir,

Agreement No. EDO 5/2025
Development of Anderson Road Quarry Site – Road Improvement Works (Phase 2)
Independent Environmental Checker
Verification for Monthly EM&A Report (October 2026)

With reference to the Monthly Environmental Monitoring and Audit (EM&A) Report – October 2026 (Issue 1) as submitted by the Environmental Team in November 2026, we are pleased to inform that we hereby verify the captioned submission in accordance with Condition 3.4 of the Environmental Permit No. EP-513/2016 for the Anderson Road Quarry Site – Road Improvement Works.

Should you have any queries, please do not hesitate to contact the undersigned at (852) 3610 8701 or our Mr. Michael Fong at (852) 3610 8706 or our Mr. Jacky Tsang at (852) 3610 8735.

Yours faithfully,

For and on behalf of
Telemax Environmental and Energy Management Limited

Ir Nelson Tam
Independent Environmental Checker (IEC)

c.c. Lam Environmental Services Limited (ET) - Attn: Mr. Raymond Dai / Mr. Ray Li

EM / NT / MF / JYT

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EXECUTIVE SUMMARY

i. This is the Environmental Monitoring and Audit (EM&A) Monthly Report – October 2026 of Development of Anderson Road Quarry Site – Road Improvement Works under Environmental Permit no. EP-513/2016 (Hereafter as "the Project"). The construction works of the Project was commenced on 2 November 2018 and this is the 96th EM&A report presenting the environmental monitoring findings and information recorded during the period of 1 to 31 October 2026. The cut-off date of reporting is the end of each reporting month.

ii. In the reporting month, the principal work activities conducted are as follow:

Works in Road Improvement Works 1 (RIW1)

- Reinstatement works at Slope C2 are in-progress.
- RC works to Noise Barrier CT5 & FE1 "b" side.
- Erection of Noise Barrier steel frame at CT5 & FE1 remaining area.
- Road works at Slip Road 1

Works in Road Improvement Works 2 (RIW2)

- Erection of Noise barrier steel frame CT4 & SE1
- Road works at On Sau Road.

Works in Road Improvement Works 3 (RIW3)

- Utilities diversion works and ELS works at Bridge F1 Abutment A and Retaining Structure A
- Rock excavation using drill & split method, drainage works and road works at Slope D3 / Lin Tak Road are in-progress.
- RC works at Abutment B.
- ELS works and RC works at Retaining Structure B.
- RC Works of super-structure of Span F1-1 for Bridge F1
- RC Works of super-structure of Span F1-2 for Bridge F1
- ELS Works & RC Works of sub-structure of pile cap F1-3

Air Quality Monitoring

iii. 1-hour Total Suspended Particulates (TSP) monitoring was conducted at eight monitoring stations. The sampling frequency is 3 times in every 6 days in the reporting month.

iv. No action or limit level exceedance was recorded in this reporting period.

Noise Monitoring

v. Noise monitoring was conducted at five noise monitoring stations once per week in the reporting month.

vi. No action or limit level exceedances was recorded in this reporting period.

Water Quality Monitoring

vii. Water quality monitoring was conducted at four monitoring stations three days per week in the reporting month.

viii. No water samples can be collected at Station E & AC1 during this reporting period as the stations were dried out during the monitoring.

ix. 1 action level and 2 limit level exceedance were recorded in this reporting period. The exceedances were likely attributed to external sources and not project related. The summary of exceedance is presented in Appendix 6.2.

Site Inspections and Audit

x. The Environmental Team (ET) conducted weekly site inspections during October 2026. No non-compliance was found during the site inspection while reminders and observations on environmental measures were recommended and recorded. Details can be referred to Section 7.

xi. The Environmental Team (ET) conducted biweekly landscape site inspections during October 2026. No non-compliance was found during the site inspection while reminders and observation on environmental measures were recommended and recorded. Details can be referred to Section 7.

Complaints, Notifications of Summons and Successful Prosecutions

xii. No documented environmental complaint was received by the ET during the reporting month. The investigation summary for all the complaint cases were reported in the Complaint Log in in **Appendix 8.1**.

Reporting Changes

xiii. There are no changes to be reported.

Future Key Issues

xiv. In coming reporting 2 months, the scheduled construction activities and the recommended mitigation measures are listed in ***Table 9.1***.

1 Introduction

1.1 Scope of the Report

1.1.1. Lam Environmental Services Limited (LES) has been appointed to work as the Environmental Team (ET) under Environmental Permit (EP) no. EP-513/2016 to implement the Environmental Monitoring and Audit (EM&A) programme as stipulated in the EM&A Manual of the approved Environmental Impact Assessment (EIA) Report for Development of Anderson Road Quarry site - Road Improvement Works (Register No.: AEIAR-195/2016).

1.1.2. In accordance with Clause 3.4 stated in EP-513/2016, four hard copy and one electronic copy of the monthly EM&A Report shall be submitted to the Director within 2 weeks after the end of each reporting month throughout the entire construction period.

1.1.3. In accordance with Section 11.3.1 of the Project EM&A Manual, the first Monthly EM&A Report should be prepared and submitted to EPD within a month after the major construction works commences with the subsequently Monthly EM&A Reports due in 10 works day of the end of each reporting month.

1.2 Structure of the Report

Section 1 ***Introduction*** – details the scope and structure of the report.

Section 2 ***Project Background*** – summarizes background and scope of the project, site description, project organization and contact details of key personnel during the reporting period.

Section 3 ***Status of Regulatory Compliance*** – summarizes the status of valid Environmental Permits / Licenses during the reporting period.

Section 4 ***Monitoring Requirements*** – summarizes all monitoring parameters, monitoring methodology and equipment, monitoring locations, monitoring frequency, criteria and respective event and action plan and monitoring programmes.

Section 5 ***Monitoring Results*** – summarizes the monitoring results obtained in the reporting period.

Section 6 ***Compliance Audit*** – summarizes the auditing of monitoring results, all exceedances environmental parameters.

Section 7 **Environmental Site Audit** – summarizes the findings of weekly site inspections undertaken within the reporting period, with a review of any relevant follow-up actions within the reporting period.

Section 8 ***Complaints, Notification of summons and Prosecution*** – summarizes the cumulative statistics on complaints, notification of summons and prosecution

Section 9 ***Conclusion***

2 Project Background

2.1 Background

2.1.1. The Development of Anderson Road Quarry (ARQ) Site is to provide land and the associated infrastructures for the proposed land uses at the existing ARQ site at the north-eastern of East Kowloon.

2.1.2. In addition to the site formation and infrastructure works within the ARQ site, a new bus-to-bus interchange (BBI) at the toll plaza of Tseung Kwan O Tunnel and a series of associated off-site road improvement works and pedestrian connectivity facilities are also proposed to mitigate the potential cumulative traffic impact arising from the proposed ARQ development.

2.1.3. The Project under Environmental Permit (EP) (EP No. EP-513/2016) is intended for three associated off-site road improvement works which comprises: (i) improvement of junction of (J/O) Lin Tak Road / Sau Mau Ping Road (RIW3) (ii) widening and improvement of sections of Clear Water Bay Road and On Sau Road (RIW2); and (iii) widening and improvement of sections of New Clear Water Bay Road and Shun Lee Tsuen Road (RIW1). The location of the Project is shown ***Figure 2.1***.

2.2 Scope of the Project and Site Description

2.2.1. The project contains various Schedule 2 Designated Projects (DPs) that, under the EIAO, require EPs to be granted by the DEP before they may be either constructed or operated. ***Table 2.1*** summarises the DPs under this Project.

Table 2.1 Schedule 2 Designated Projects under this Project

Item	Designated Project	EIAO Reference
DP2	A road which is an expressway, trunk road, primary distributor road or district distributor road including new roads, and major extensions or improvements to existing road	Schedule 2, Part I, A.1

2.3 Project Organization and Contact Personnel

2.3.1 Civil Engineering and Development Department is the overall project controllers for the Project. For the construction phase of the Project, Project Engineer, Contractor(s), Environmental Team and Independent Environmental Checker are appointed to manage and control environmental issues.

2.3.2 The proposed project organization and lines of communication with respect to environmental protection works are shown in ***Figure 2.2***. Key personnel and contact particulars are summarized in ***Table 2.2***:

Table 2.2 Contact Details of Key Personnel

Party	Role	Post	Name	Contact No.	Contact Fax
AECOM	Engineer's Representative	Senior Resident Engineer	Mr. Bob Lee	5506 0069	2473 3221
Chun Wo – China Metallurgical Group Corporation Joint Venture	Contractor	Site Agent	Ms. Suk Yin Cheung	6323 4716	3965 9854
		Environmental Officer	Ms. Diana Lee	9124 5619	
Telemax Environmental and Energy Management Limited	Independent Environmental Checker (IEC)	Independent Environmental Checker (IEC)	Ir Nelson Tam	3563 7003	3563 7018
Lam Environmental Services Limited	Environmental Team (ET)	Environmental Team Leader (ETL)	Mr. Ray Li	3765 0649	3460 2905

2.4 Construction Activities

2.4.1 In coming reporting 2 months, the scheduled construction activities are listed as follows:

- Reinstatement works at Slope C2 are in-progress.
- RC works to Noise Barrier CT5 & FE1 "b" side
- Erection of Noise Barrier steel frame at CT5 & FE1 remaining area
- Road works at Slip Road 1
- Erection of Noise barrier steel frame CT4 & SE1
- Road works at On Sau Road.
- Utilities diversion works and ELS works at Bridge F1 Abutment A and Retaining Structure A.
- Rock excavation using drill & split method, drainage works and road works at Slope D3/ Lin Tak Road are in-progress.
- RC works at Abutment B.
- ELS works and RC works at Retaining Structure B
- RC Works of super-structure of Span F1-1 for Bridge F1
- RC Works of super-structure of Span F1-2 for Bridge F1
- ELS Works & RC Works of sub-structure of pile cap F1-3

3 Status of Regulatory Compliance

3.1 Status of Environmental Licensing and Permitting under the Project

3.1.1. A summary of the current status on licences and/or permits on environmental protection pertinent to the Project is shown in ***Table 3.1***.

Table 3.1 Summary of the current status on licences and/or permits on environmental protection pertinent to the Project

Permits and/or Licences	**Permit. No. / Account No.**	**Valid From**	**Expiry Date**	**Status**
Notification pursuant to Air Pollution Control (Construction Dust) Regulation	Form NA submitted to EPD on 29 May 2018.			
Environmental Permit	EP-513/2016	20 Jul 2016	N/A	Valid
Billing Account for Disposal				
Billing Account for Disposal of Construction Waste	7031075	20 Jun 2018	End of the Project	Valid
Chemical Waste Registration				
Registration as a Waste Producer for Sau Mau Ping Road to Lin Tak Road	5213-294-C4239-04	6 Aug 2018	N/A	Valid
Registration as a Waste Producer for New Clear Water Bay Road (Start from 46 Clear Water Bay Road, End at Shun Lee Tsuen Road and San Lee Street	5213-291-C4239-02	13 Aug 2018	N/A	Valid
Registration as a Waste Producer for South Part of Hiu Ming Street Playground	5213-294-C4239-03	6 Aug 2018	N/A	Valid
Registration as a Waste Producer for Clear Water Bay Road and New Clear Water Bay Road (From the intersection of Fei Ngo Shan Road to Tai Pan Court) and on Sau Road (From the intersection of New Clear Water Bay Road to 9 Anderson Road	5213-831-C4239-08	6 Aug 2018	N/A	Valid
Water Discharge Licence				
Water Pollution Ordinance Licence for Clear Water Bay Road, Shun Lee Tsuen Road and San Lee Street	WT10003315-2024	3 Jul 2024	31 Jul 2029	Valid
Water Pollution Ordinance Licence for intersection of Fei Ngo Shan Road to Tai Pan Court and on Sau Road (From the intersection of New Clear Water Bay Road to 9 Anderson Road	WT10002686-2023	2 Apr 2024	31 Mar 2029	Valid
Water Pollution Ordinance Licence for Lin Tak Road to Sau Mau Ping Road including Tseung Kwan O Tunnel Toll Plaza	WT10002261-2023	30 Jan 2024	31 Jan 2029	Valid

Construction Noise Permit				
Re-surfacing at Hiu Kwong Street near Sau Mau Ping Rd	GW-RE0558-26	2 Jun 2026	1 Dec 2026	Valid
PCW at Lin Tak Rd, Sau Mau Ping Rd and Tseung Kwan O Rd	GW-RE0685-26	4 Jul 2026	3 Jan 2027	Valid
Street light removal and installation at Sau Mau Ping Rd near Lin Tak Rd	GW-RE0715-26	2 Jul 2026	1 Oct 2026	Expired
Noise Barriers Installation at New Clear Water Bay Rd near On Sau Rd	GW-RE0828-26	22 Aug 2026	21 Feb 2027	Valid
Water Pumping at Pik Wan Rd near Lin Tak Rd	GW-RE0839-26	27 Aug 2026	26 Feb 2027	Valid
Rock Splitting at Lin Tak Road near Tseung Kwan O Road	GW-RE0829-26	12 Aug 2026	11 Feb 2027	Valid
Noise Barriers Cleaning at On Kin Rd near On Sau Rd	GW-RE1020-26	22 Sep 2026	21 Dec 2026	Valid
Electricity supply to CCTV at Shun Tin Store	GW-RE0930-26	27 Sep 2026	26 Mar 2026	Valid
Lighting and pumping at New Clear Water Bay Rd near Choi Wan Estate	GW-RE0932-26	28 Sep 2026	27 Mar 2026	Valid
Street light removal and installation at Sau Mau Ping Rd near Lin Tak Rd	GW-RE1040-26	2 Oct 2026	1 Jan 2027	Valid

3.2 Status of Submission under the EP-513/2016

3.2.1. A summary of the current status on submission under EP-513/2016 is shown in ***Table 3.2***.

Table 3.2 Summary of submission status under EP-513/2016

EP Condition	Submission	Date of Submission
Condition 1.12	Notification of Commencement Date of Works	24 September 2018
Condition 2.10	Management Organization of Main Construction Companies	27 September 2018
Condition 2.11	Submission of Design Drawing(s) of the Project	28 September 2018
Condition 2.12	Submission of Landscape and Visual Mitigation Plan(s)	28 September 2018
Condition 2.14 (a) and 2.15	Submission of Detailed Vegetation Survey Report (2nd submission)	7 December 2018
Condition 2.14 (b) and 2.15	Submission of Transplantation Proposal	7 December 2018
Condition 3.3	Submission of Baseline Environmental Monitoring Report (2nd submission)	18 December 2018
Condition 2.14 (c)	Transplantation Completion Report	3 May 2019

EP Condition	Submission	Date of Submission
Condition 3.4	Monthly EM&A Report (September 2026)	15 October 2026
Condition 2.14(d)	Post-Transplantation Monitoring Report	6 April 2022

4 Monitoring Requirements

4.1 Noise Monitoring

NOISE MONITORING STATIONS

4.1.1. The noise monitoring stations for the Project are listed and shown in ***Table 4.1*** and ***Figure 4.1 & 4.2***.

Table 4.1 Noise Monitoring Station

Monitoring Station ID	Monitoring Location	Measurement Type	Level (in terms of no. of floor)
NMC01	Kei Shun Special School	Façade	G/F
NMC02	Shun Lee Disciplined Services Quarters Block 6	Façade	3/F podium
NMC03	Sienna Garden Block 6	Free-field	G/F
NMC04	Po Tat Estate Tat Kai House	Free-field	3/F podium
NMC05	Hong Wah Court Block B Yee Hong House	Façade	G/F

NOISE MONITORING PARAMETERS, FREQUENCY AND DURATION

4.1.2. Noise monitoring shall be carried out at all the designated monitoring stations. The monitoring frequency shall depend on the scale of the construction activities. The following is an initial guide on the regular monitoring frequency for each station on a weekly basis when noise generating activities are underway:

- One set of measurements between 0700-1900 hours on normal weekdays (six consecutive Leq/5min readings);
- One set of measurements between 1900-2300 hours;
- One set of measurements between 2300-0700 hours of next day; and
- One set of measurements between 0700-2300 hours on holidays (three consecutive Leq/5min readings).

4.1.3. For the latter 3 sets of measurements specified in Section 4.1.2 above, one set of measurements shall at least include 3 consecutive Leq (5min) results.

4.1.4. Supplementary information for data auditing, statistical results such as L10 and L90 shall also be obtained for reference.

4.1.5. If a school exists near the construction activity, noise monitoring shall be carried out at the monitoring stations for the schools during the examination periods. The ET leader shall liaise with the school's personnel and the examination authority to ascertain the exact dates and times of all examination periods during the course of the contract.

MONITORING EQUIPMENT

4.1.6. Noise monitoring was performed using sound level meter at the designated monitoring locations. The sound level meters shall comply with the International Electrotechnical Commission Publications 651:1979 (Type 1) and 804:1985 (Type 1) specifications. Acoustic calibrator shall be deployed to check the sound level meters at a known sound pressure level. Brand and model of the equipment is given in ***Table 4.2***.

Table 4.2 Noise Monitoring Equipment

Equipment	Brand and Model	Series Number
Integrated Sound Level Meter	Nti XL2	A2A-15360-E0
Acoustic Calibrator	Larson Davis CAL200	13098

4.1.7. The calibration certificates of the noise monitoring equipment are attached in ***Appendix 4.2***.

SAMPLING PROCEDURE AND MONITORING EQUIPMENT

4.1.8. Monitoring Procedure

(a) The monitoring station shall normally be at a point 1m from the exterior of the sensitive receiver's building façade and be at a position 1.2m above the ground.
(b) Façade measurements were made at the monitoring locations. For free-field measurement, a correction factor of +3 dB (A) would be applied.
(c) The battery condition was checked to ensure the correct functioning of the meter.
(d) Parameters such as frequency weighting, the time weighting and the measurement time were set as follows:
(e) Frequency weighting: A, Time weighting: Fast, Measurement time set: continuous 5 mins
(f) Prior and after to the noise measurement, the meter was checked using the acoustic calibrator for 94dB (A) at 1000 Hz. If the difference in the calibration level before and after measurement was more than ±1 dB (A), the measurement would be considered invalid and repeat of noise measurement would be required after re-calibration or repair of the equipment.
(g) Noise measurements shall not be made in fog, rain, wind with a steady speed exceeding 5m/s or wind with gusts exceeding 10m/s. The wind speed shall be checked with a portable wind speed meter capable of measuring the wind speed in m/s.

4.1.9. Maintenance and Calibration

(a) The microphone head of the sound level meter was cleaned with soft cloth at regular intervals.
(b) The sound level meter and calibrator were calibrated at yearly intervals.

EVENT AND ACTION PLAN

4.1.10. Noise Standards for Daytime Construction Activities are specified under EIAO-TM. The Action and Limit levels for construction noise are defined in ***Table 4.3*** and ***Appendix 4.1***. Should non-compliance of the criteria occurs, action in accordance with the Event and Action Plan in **Appendix 6.1** shall be carried out.

4.1.11. An ad-hoc discussion after the SSEMC meeting on 10 October 2025 called by the RSS was held to discuss on contractor's query raised on the noise measurement to confirm exceedance under the Event and Action Plan (EAP) for Construction Noise. During the ad-hoc discussion, the contractor disagreed on timing/arrangement of repeat measurement under EAP of construction noise implemented by ET. IEC was consulted on the Validity Assessment of Exceedance and expressed that it would be more appropriate for the repeat measurement be undertaken during similar construction activities to confirm findings with respect to the EAP.

4.1.12. EAP for Construction Noise has been followed strictly by ET when exceedance recorded. Should any noise exceedance be recorded, RSS will be notified to confirm similar construction activities for ET to conduct repeated measurement according since the noise monitoring conducted on 15 October 2025 as per IEC's advice in the ad-hoc discussion on 10 October 2025.

Table 4.3 Action and Limit Level for Noise Monitoring

Monitoring Station	Action Level	Limit Level (dB(A))		
		0700-1900 hrs on normal weekdays	0700-2300 hrs on holidays (including Sundays); and 1900-2300 hrs on all days [2]	2300-0700 hrs of all days [2]
NMC01	When one documented complaint is received	65 / 70 [1]	60 / 65 / 70 [3]	45 / 50 / 55 [3]
NMC02		75		
NMC03		75		
NMC04		75		
NMC05		75		

Remark 1: Limit level of NMC01 - Kei Shun Special School reduce to 65 dB (A) during examination periods if any.
Remark 2: Construction noise during restricted hours is under the control of Noise Control Ordinance Limit Level to be selected based on Area Sensitivity Rating.
Remark 3: Limit Level for restricted hour monitoring shall act as reference level only. Investigation would be conducted on CNP compliance if exceedance recorded during restricted hour noise monitoring period.

4.2 Air Monitoring

AIR QUALITY MONITORING STATIONS

4.2.1. The air monitoring stations for the Project are listed and shown in ***Table 4.4*** and ***Figure 4.3 & 4.4***.

Table 4.4 Air Monitoring Station

Monitoring Station ID	Monitoring Location	Level (in terms of no. of floor)
NCWBR_AMS-1	Shun Lee Fire Station	2/F Roof
NCWBR_AMS-2	Shun Lee Estate Lee Hang House	G/F
NCWBR_AMS-3	Shun Lee Disciplined Services Quarters (Block 6)	4/F podium
NCWBR_AMS-4	Sienna Garden	G/F
NCWBR_AMS-5	Shun Chi Court Shun Fung House	Roof
LTR_AMS-1	St Edward's Catholic Primary School	G/F
LTR_AMS-2	Environmental Protection Department's Restored Landfill Site Office	G/F
LTR_AMS-3	Po Tat Estate Tat Kai House	3/F podium

AIR MONITORING PARAMETERS, FREQUENCY AND DURATION

4.2.2. One-hour TSP levels should be measured to indicate the impacts of construction dust on air quality.

4.2.3. The sampling frequency of at least three times in every six-days should be undertaken when the highest dust impact occurs.

SAMPLING PROCEDURE AND MONITORING EQUIPMENT

4.2.4. Monitoring Procedures

(a) Check the calibration period of portable direct reading dust meter prior to monitoring (The direct reading dust meter was calibrated at 2-years interval and checked with High Volume Sampler (HVS) yearly.)
(b) Record the site condition near / around the monitoring stations.
(c) Install the portable direct reading dust meter to the monitoring location.
(d) Slide the power switch to turn the power on.
(e) Check of portable direct reading dust meter to ensure the equipment operation in normal condition.
(f) Select the period of measurement to 60mins.
(g) Check and set the correct time.
(h) Select the appropriate unit display for the equipment.
(i) Slide the power switch to turn the power off when the monitoring period ended (3 times 1 hour TSP monitoring per day).
(j) Uninstall the portable direct reading dust meter
(k) Collected the sampled data for analysis.
(l) Remark: Procedures (c) to (h) may be different subject to the brands and models of portable direct reading dust meter

4.2.5. Maintenance and Calibration

(a) The direct reading dust meter was calibrated at 2-years interval and checked with High Volume Sampler (HVS) yearly to determine the accuracy and validity of the results measured.
(b) Checking of direct reading dust meter will be carried out in order to determine the conversion factor between the direct reading dust meter and the standard equipment, HVS. The comparison check is to be considered valid based on correlation coefficient

checked by HOKLAS laboratory.

4.2.6. The 1-hour TSP air quality monitoring was performed by using portable direct reading dust meters at each designated monitoring station. The brand and model of the equipment are given in **Table 4.5**.

Table 4.5 Air Quality Monitoring Equipment

Equipment	Brand and model	Series Number
Portable direct reading dust meter	Met One BT- 645	B17940 B17942 C15621
	Met One AEROCET 831	R14332 W15449 W16848 Y23153 Y23160

4.2.7. The calibration certificate of the air quality monitoring equipment are attached in ***Appendix 4.2***.

WIND DATA

4.2.8. The representative wind data from Tate's Cairn and Tseung Kwan O HKO Automatic weather Stations were obtained for the 1-hr TSP monitoring periods and shown in ***Appendix 4.3***.

EVENT AND ACTION PLAN

4.2.9. The Action and Limit levels for construction air quality are defined in ***Table 4.6*** and ***Appendix 4.1***. The Event and Action Plan as shown in ***Appendix 6.1*** shall be implemented if non-compliance of the air quality criteria is identified.

Table 4.6 Action and Limit Level for Air Quality Monitoring

Monitoring Locations	1-hour TSP Level in µg/m3	
	Action Level	Limit Level
NCWBR_AMS-1	284.4	500.0
NCWBR_AMS-2	282.4	500.0
NCWBR_AMS-3	287.9	500.0
NCWBR_AMS-4	281.6	500.0
NCWBR_AMS-5	270.0	500.0
LTR_AMS-1	272.1	500.0
LTR_AMS-2	281.1	500.0
LTR_AMS-3	285.1	500.0

4.3 Water Quality Monitoring

WATER QUALITY MONITORING STATIONS

4.3.1. Water quality monitoring at Additional Water Monitoring Stations AC2 and AC3 had been ceased from 8 September 2025 when EPD had no objection to the Proposal for Review of Additional Water Monitoring Stations and Cessation of Stations AC2 and AC3 for Water Quality Monitoring submitted the Environmental Team (ET) on 25 August 2025. Water quality monitoring would be carried out at Station E or AC1 when no water sample can be collected at Station E, as upstream control reference to impact station F.

4.3.2. Water quality monitoring was undertaken at 5 monitoring stations in the reporting month. The proposed water quality monitoring stations of the Project are shown in ***Table 4.7*** and ***Figure 4.5 & 4.6***.

Table 4.7 Marine Water Quality Stations for Water Quality Monitoring

Inland Water	Stations	Description	Easting	Northing
Channelized streams across the Project site	E[1]	Upstream Control Station	841329	821753
	F	Downstream Impact Station	841469	821635
	AC1[1]	Upstream Reference Station	-	-
	AC2[2]	Upstream Reference Station	-	-
	AC3[2]	Upstream Reference Station	-	-
Ma Yau Tong Stream	H	Upstream Control Station	843008	819880
	I	Downstream Impact Station	842652	819573

Remark: [1] Water quality monitoring would be carried out at Station E or AC1 when no water sample can be collected at Station E

[2] Water quality monitoring at Additional Water Monitoring Stations AC2 and AC3 had been ceased from 8 September 2025

WATER QUALITY PARAMETERS, FREQUENCY AND DURATION

4.3.3. The levels of dissolved oxygen (DO), turbidity and pH shall be measured in situ while suspended solids (SS) is determined by laboratory analysis at all the designated monitoring stations.

4.3.4. In association with the water quality parameters, other relevant data shall also be recorded, such as monitoring location / position, time, water temperature, salinity, DO saturation, weather conditions, and any special phenomena underway near the monitoring station.

4.3.5. The sampling frequency of at least three days per week should be undertaken when the highest dust impact occurs. Upon completion of the construction works, the monitoring exercise at the designated monitoring locations should be continued for four weeks in the same manner as the impact monitoring.

4.3.6. The interval between two sets of monitoring should not be less than 36 hours except where there are exceedances of Action and/or Limit Levels, in which case the monitoring frequency will be increased.

4.3.7. Replicate in-situ measurements should be carried out in each sampling event.

SAMPLING PROCEDURES AND MONITORING EQUIPMENT

Dissolved Oxygen and Temperature Measuring Equipment

4.3.8. The instrument should be a portable, weatherproof dissolved oxygen measuring instrument complete with cable, sensor, comprehensive operation manuals, and use a DC power source. It should be capable of measuring:

- a dissolved oxygen level in the range of 0-20 mg/l and 0-200% saturation
- a temperature of 0-45 degree Celsius

4.3.9. It should have a membrane electrode with automatic temperature compensation complete with a cable. Sufficient stocks of spare electrodes and cables should be available for replacement where necessary. (e.g. YSI model 59 meter, YSI 5739 probe, YSI 5795A submersible stirrer with reel and cable or an approved similar instrument).

4.3.10. Should salinity compensation not be build-in in the DO equipment, in-situ salinity shall be measured to calibrate the DO equipment prior to each DO measurement.

Turbidity Measurement Instrument

4.3.11. The instrument should be a portable, weatherproof turbidity-measuring instrument complete with comprehensive operation manual. The equipment should use a DC power source. It should have a photoelectric sensor capable of measuring turbidity between 0-1000 NTU and be complete with a cable (e.g. Hach model 2100P or an approved similar instrument).

Sampler

4.3.12. Due to low water level as mentioned in Section 6.4.3 of the EIA report, bucket sampler (Approximate 1L) will be use instead of water sampler in order to obtain surface water sample without disturb the stream sediment and collect representative results.

Salinity

4.3.13. A portable salinometer capable of measuring salinity in the range of 0-70 ppt shall be provided for measuring salinity of the water at each of monitoring location.

MONITORING METHODOLOGY

4.3.14. Monitoring Procedure

(a) The condition near the monitoring stations shall be observed and recorded on the data log sheet.
(b) Check of sensors and electrodes with certified standard solutions before each use.
(c) Wet bulb calibration for a DO meter should be carried out before measurement.
(d) Grab water sample would be collected by appropriate sampler based on the actual site condition.
(e) Transfer the sampled water carefully into cleaned water bottles (2x 1000ml) provided by the laboratory at the spot after the collection of the water sample for the subsequent

laboratory Suspended Solid testing.

(f) Transfer the sampled water from the bucket sampler to the rinsed water container for in-situ measurement (In case of the in-situ measurement cannot be carried at spot due to safety and adverse weather condition, sampled water from the bucket sampler will be transfer to cleaned water bottles provided by laboratory. Then, In-situ measurement will be conducted at a safe location which sampled water inside cleaned water bottle will be transfer to the rinsed water container for in-situ measurement) In-situ measurement shall be measured in duplicate.

(g) Parameters including Water Temperature (°C), pH (units), Salinity (ppt), DO (mg/L), DO saturation (%) will be measured by the Multifunctional Meter and Turbidity (NTU) will be measured by turbid meter. (Water Temperature and Salinity will be measured as reference parameters)

(h) Record the result on the data log sheet and record any special finding during / after in-situ measurement.

(i) The water sample bottles will be stored in a cool box (at cooled to 4℃ without being frozen), which shall be delivered to HOKLAS laboratory (ALS Technichem (HK) Pty Ltd) for further testing to determine the level of SS.

4.3.15. Maintenance and Calibration

(a) The responses of sensors and electrodes of the water quality monitoring equipment were cleaned and checked at regular intervals.

(b) DO meter (Multifunctional Meter) and turbid meter was certified by a laboratory accredited under HOKLAS or any other international accreditation scheme, and subsequently re-calibrated at three monthly intervals.

4.3.16. Brand and model of the equipment are given in ***Table 4.8***.

Table 4.8 Water Quality Monitoring Equipment

Equipment	Brand and model	Series Number
Multifunctional Meter	YSI	17G100383 / 24F100176 20M101455 / 20M100002
Turbid meter	Xinrui WGZ-3B	2202020 2209074

4.3.17. The calibration certificates of the water quality monitoring equipment are attached in ***Appendix 4.2***.

LABORATORY MEASUREMENT / ANALYSIS

4.3.18. Analysis of suspended solids has been carried out in a HOKLAS accredited laboratory, which is ALS Technichem (HK) Pty Ltd.

EVENT AND ACTION PLAN

4.3.19. The Action and Limit levels for construction water quality are defined in ***Table 4.9*** and ***Appendix 4.1***. Should the monitoring results of the water quality parameters at any designated monitoring station exceed the water quality criteria, action in accordance with the Event and Action Plan in ***Appendix 6.1*** shall be carried out.

Table 4.9 Action and Limit Level for Water Quality Monitoring

Monitoring Station	Surface pH		Surface DO (mg/L)		Surface Turbidity (NTU)		Surface SS (mg/L)	
	Action Level	Limit Level	Action Level	Limit Level	Action Level	Limit Level	Action Level	Limit Level
E	-	-	-	-	-	-	-	-
F	Beyond the range of 6.6-8.4	Beyond the range of 6.5-8.5	5.8	5.5	24.4	32.7	17.0	23.8
AC1	-	-	-	-	-	-	-	-
AC2	-	-	-	-	-	-	-	-
AC3	-	-	-	-	-	-	-	-
H	-	-	-	-	-	-	-	-
I	Beyond the range of 6.6-8.4	Beyond the range of 6.5-8.5	5.5	5.4	206.9	214.2	172.8	201.4

* Remarks:

The value of 1.0mg/L was taken as the value for measurement with suspended solid level of <1.0mg/L for Action and Limit level calculation.

It is recommended that upstream monitoring station (monitoring station E, AC1, AC2, AC3 and H) would be taken as control reference for exceedance investigation only. Action and limit level would not be establish using the baseline data.

If the SS and Turbidity recorded from the Control Stations (E, H, AC1, AC2, AC3) are higher than the Impact Stations (I and F) on the same day of measurement, 120% and 130% of the Control Stations' results would be referenced as the Action and Limit Levels.

5. Monitoring Results

5.0.1 The environmental monitoring will be implemented based on the division of works areas of each designed projects. Overall layout showing work areas and monitoring stations is shown in ***Figure 2.1*** and ***Figure 4.1 – 4.6*** respectively.

5.0.2 The environment monitoring schedules for reporting month and coming three months are presented in ***Appendix 5.1*****.**

5.1. Noise Monitoring Results

5.1.1 No action or limit level exceedance was recorded in this reporting period.

5.1.2 Noise monitoring results measured in this reporting period are reviewed and summarized. Details of noise monitoring results and graphical presentation can be referred in ***Appendix 5.2***.

5.2. Air Monitoring Results

5.2.1 No action or limit level exceedance was recorded in this reporting month.

5.2.2 Air quality monitoring results measured in this reporting period are reviewed and summarized. Details of air monitoring results and graphical presentation can be referred in ***Appendix 5.3***.

5.3. Water Quality Monitoring Results

5.3.1 No water samples can be collected at Station E & AC1 during this reporting period as the stations were dried out during the monitoring.

5.3.2 1 action level and 2 limit level exceedance were recorded in this reporting period. The exceedances were likely attributed to external sources and not project related. The summary of exceedance is presented in Appendix 6.2.

5.3.3 Water quality monitoring results measured in this reporting period are reviewed and summarized. Details of water quality monitoring results and graphical presentation can be referred in ***Appendix 5.4***.

5.4 Waste Management

5.4.1 The quantities of waste for disposal in the Reporting Period are summarized in ***Table 5.1*** and ***Table 5.2***. The Monthly Summary Waste Flow Table is shown in ***Appendix 5.5***. Whenever possible, materials were reused on-site as far as practicable.

Table 5.1 Summary of Quantities of Inert C&D Materials

Waste Type	Hard Rock and Large Broken Concrete (Inert) (in'000m3)	Reused in this Contract (Inert) (in '000m3)	Reused in other Projects (Inert) (in '000m3)	Disposal as Public Fill (Inert) (in '000m3)
Quantity (this month)	0.000	0.000	0.000	1.520
Quantity (Project commencement to the end of last month)	0.000	13.679	30.189	131.579
Cumulative Quantity-to-Date	0.000	13.679	30.189	133.099
Disposal Location	Nil	Nil	Nil	TKO137

Table 5.2 Summary of Quantities of C&D Wastes

Waste Type	Metals (in '000kg)	Paper / Cardboard Packing (in '000kg)	Plastics (in '000kg)	Chemical Wastes (in '000kg)	General Refuses (in '000m3)
Quantity (this month)	0.006	0.000	0.013	0.000	0.029
Quantity (Project commencement to the end of last month)	0.090	2.739	37.434	0.197	5.129
Cumulative Quantity-to-Date	0.096	2.739	37.447	0.197	5.158
Disposal Location	waste recycle was arranged	Nil	waste recycle was arranged	Nil	SENT

6. Compliance Audit

6.0.1. The Event Action Plan for construction noise, air quality and water quality are presented in ***Appendix 6.1***.

6.0.2. The summary of exceedance is presented in ***Appendix 6.2***.

6.1 Noise Monitoring.

6.1.1 No action or limit level exceedance was recorded in this reporting period.

6.2 Air Quality Monitoring

6.2.1 No action or limit level exceedance was recorded in this reporting period.

6.3 Water Quality Monitoring

6.3.1 No water samples can be collected at Station E & AC1 during this reporting period as the stations were dried out during the monitoring.

6.3.2 1 action level and 2 limit level exceedance were recorded in this reporting period. The exceedances were likely attributed to external sources and not project related. The summary of exceedance is presented in Appendix 6.2.

6.4 Review of the Reasons for and the Implications of Non-compliance

6.4.1 No environmental non-compliance was recorded in the reporting month.

6.5 Summary of follow-up action on non-compliance

6.5.1 There was no particular follow-up action taken and recorded in the reporting period.

7. Environmental Site Audit

7.0.1. Within this reporting month, weekly environmental site audits were conducted on 2, 9, 16, 23 and 30 October 2026. IEC attended the joint site inspection on 9 October 2026.

7.0.2. No non-compliance was found during the site inspection while reminders and observations on environmental measures were recommended and recorded. Results and findings of these inspections in this reporting month are listed below in ***Table 7.1*****.**

Table 7.1 Summary of Environmental Inspections

Date	Reminder(s)	Action taken by Contractor	Outcome
2 Oct 2026	No reminder and/or observation was identified.	Nil.	Nil.
9 Oct 2026	No reminder and/or observation was identified.	Nil.	Nil.
16 Oct 2026	Contractor was reminded to properly maintain the top and 3 sides enclosure for the cement storage area.	The top and 3 sides enclosure for the cement storage area has been properly maintained.	Rectified in the reporting period
23 Oct 2026	Dust suppression measure should be enhanced at FE1.	Contractor has cleaned up the loose sandy materials deposited on the road to reduce dust emission.	Rectified in the reporting period
30 Oct 2026	No reminder and/or observation was identified.	Nil.	Nil.

7.0.3. Within this reporting month, biweekly landscape site audits were conducted on 9 and 23 October 2026.

7.0.4. No non-compliance was found during the landscape site inspection. Results and findings of these inspections in this reporting month are listed below in ***Table 7.2*****.**

Table 7.2 Summary of Landscape site inspections

Date	Reminder(s)/ Observation(s)	Action taken by Contractor	Outcome
9 Oct 2026	No reminder and/or observation was identified.	Nil.	Nil.
23 Oct 2026	No reminder and/or observation was identified.	Nil.	Nil.

8. Complaints, Notification of Summons and Prosecution

8.0.1. No documented environmental complaint was reported in the reporting month.

8.0.2. The cumulative complaint log and updated summary of complaints are presented in **Appendix 8.1**.

8.0.3. Cumulative statistic on complaints and successful prosecutions are summarized in ***Table 8.1*** and ***Table 8.2*** respectively.

Table 8.1 Cumulative Statistics on Complaints

Reporting Period	No. of Complaints
October 2026	0
Total	**60**

Table 8.2 Cumulative Statistics on Successful Prosecutions

Environmental Parameters	Cumulative No. Brought Forward	No. of Successful Prosecutions this month (Offence Date)	Cumulative No. Project-to-Date
Air	-	0	0
Noise	-	0	0
Water	-	0	0
Waste	-	0	0
Total	**-**	**0**	**0**

8.0.4. QPME was observed on site at the slope of Lin Tak Road at RIW3. The contractor was recommended to review the implementation of QPMEs from time to time on site especially at the slope of Lin Tak Road at RIW3 and considering using quieter PMEs whenever possible. Details of QPMEs are as shown in ***Table 8.4***.

Table 8.4 QPME used for construction works

Type of construction equipment	Brand	Model no.	QPME ID	SWL [dB(A)]
Air Compressor	Airman	PDS185S-5C5	QPME, EPD-12512	94
Generator	Airman	SDG125S-3B1	QPME, EPD-14680	92

9. Conclusion

9.0.1. The EM&A programme was carried out in accordance with the EM&A Manual requirements, minor alterations to the programme proposed were made in response to changing circumstances.

9.0.2. The performance of the environmental management system of the previous three months (quarter) was generally satisfied. Mitigation measures according to the environmental mitigation implementation schedule and the EIA were generally implemented by the Contractor. Hence, the EM&A programme was considered effective and shall be maintained.

9.0.3. The scheduled construction activities and the recommended mitigation measures for the coming 2 months are listed in **Table 9.1**. The construction programmes of the Project are provided in ***Appendix 9.1***.

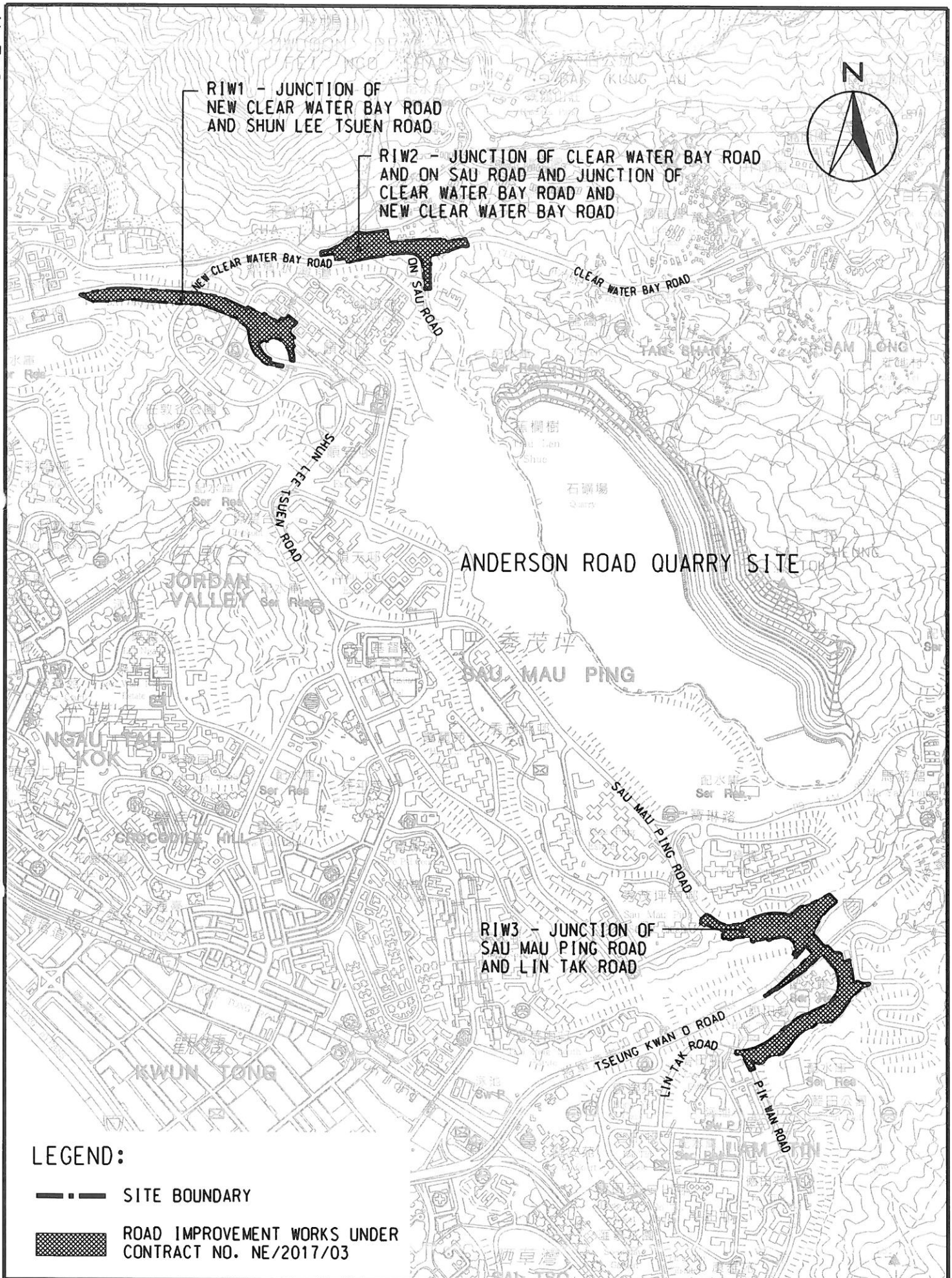
Table 9.1 Construction Activities and Recommended Mitigation Measures in Coming Reporting 2 Months

Key Construction Works	Recommended Mitigation Measures
• Reinstatement works at Slope C2 are in-progress. • RC works to Noise Barrier CT5 & FE1 "b" side • Erection of Noise Barrier steel frame at CT5 & FE1 remaining area • Road works at Slip Road 1 • Erection of Noise barrier steel frame CT4 & SE1 • Road works at On Sau Road. • Utilities diversion works and ELS works at Bridge F1 Abutment A and Retaining Structure A. • Rock excavation using drill & split method, drainage works and road works at Slope D3/ Lin Tak Road are in-progress. • RC works at Abutment B. • ELS works and RC works at Retaining Structure B • RC Works of super-structure of Span F1-1 for Bridge F1 • RC Works of super-structure of Span F1-2 for Bridge F1 • ELS Works & RC Works of sub-structure of pile cap F1-3	• To minimize the dust impact to the surrounding ASRs, dust suppression measures stipulated in the Air Pollution Control (Construction Dust) Regulation should be incorporated to control dust emission from the site; • To reduce the noise impacts at the affected NSRs during normal daytime working hours, mitigation measures such as adopting quiet PME and construction noise barriers are recommended. • To alleviate the construction noise impact on the affected NSRs, construction noise barriers or enclosures would be erected to provide screening from the construction plant. • Surface run-off from construction sites should be discharged into storm drains via adequately designed sand/silt removal facilities such as sand traps, silt traps and sedimentation basins. • Silt removal facilities, channels and manholes should be maintained and the deposited silt and grit should be removed regularly, at the onset of and after each rainstorm to prevent local flooding.

Figure 2.1

Project Layout

ENCLOSURE A



GENERAL LAYOUT PLAN OF
ROAD IMPROVEMENT WORKS
UNDER CONTRACT NO. NE/2017/03

Figure 2.1
Project Layout

P:*Projects*60328348*DRAWING*SKETCH*SK0175.dgn

Figure 2.2

Project Organization Chart

Project Organization Chart

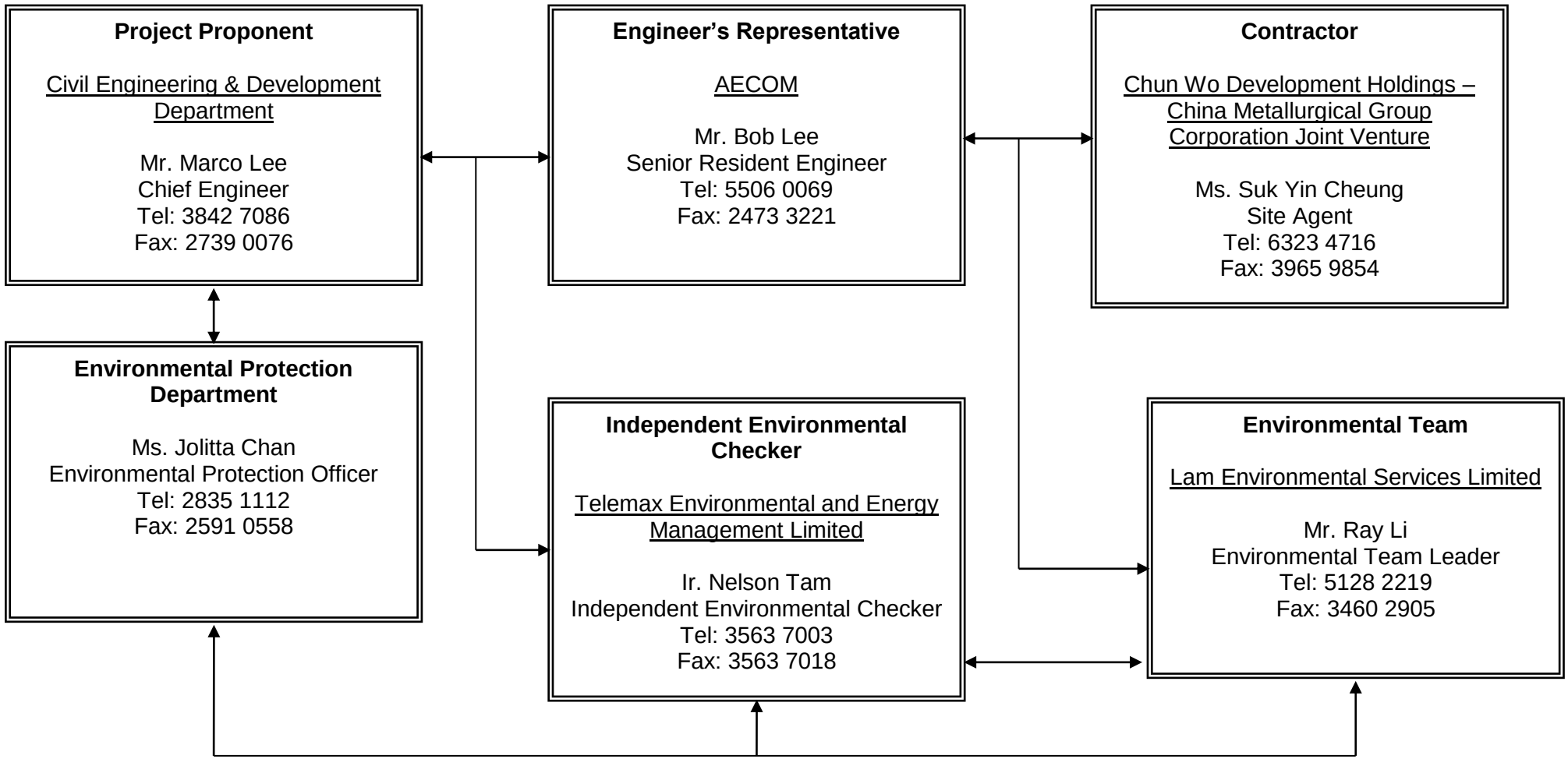
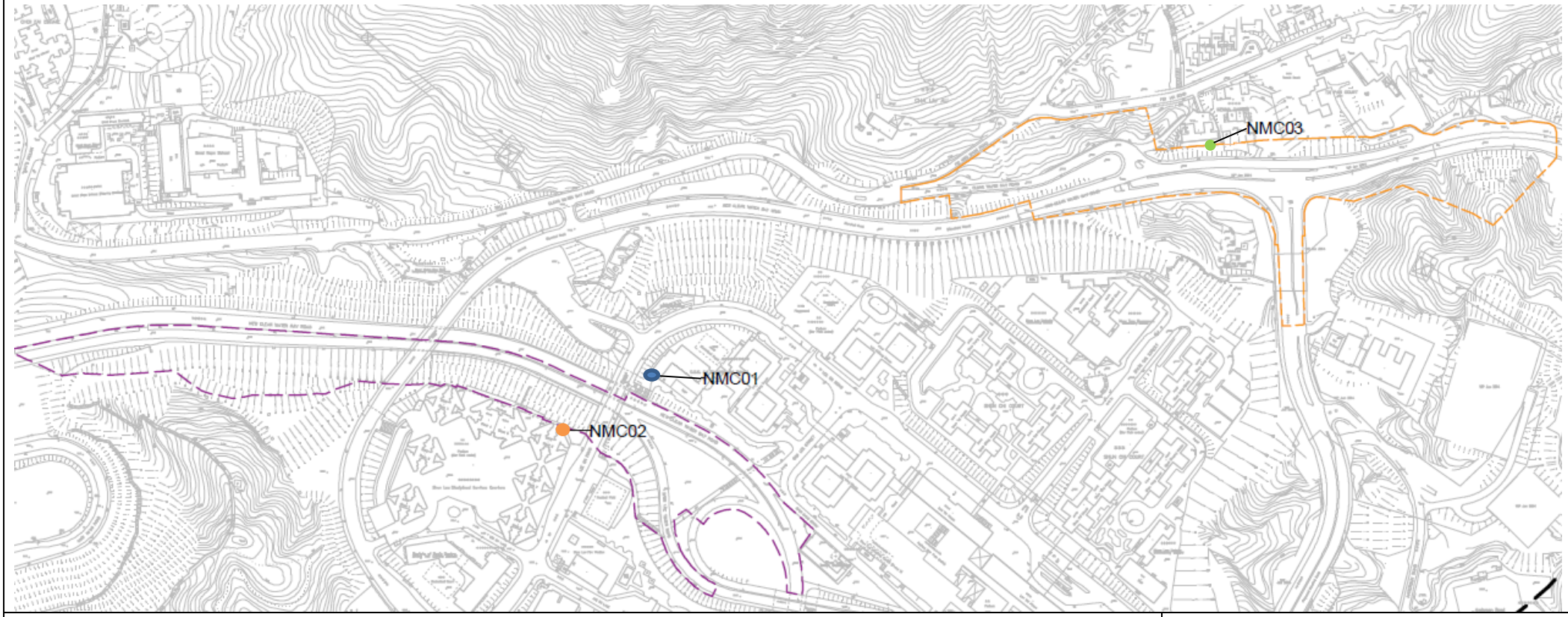


Figure 2.2

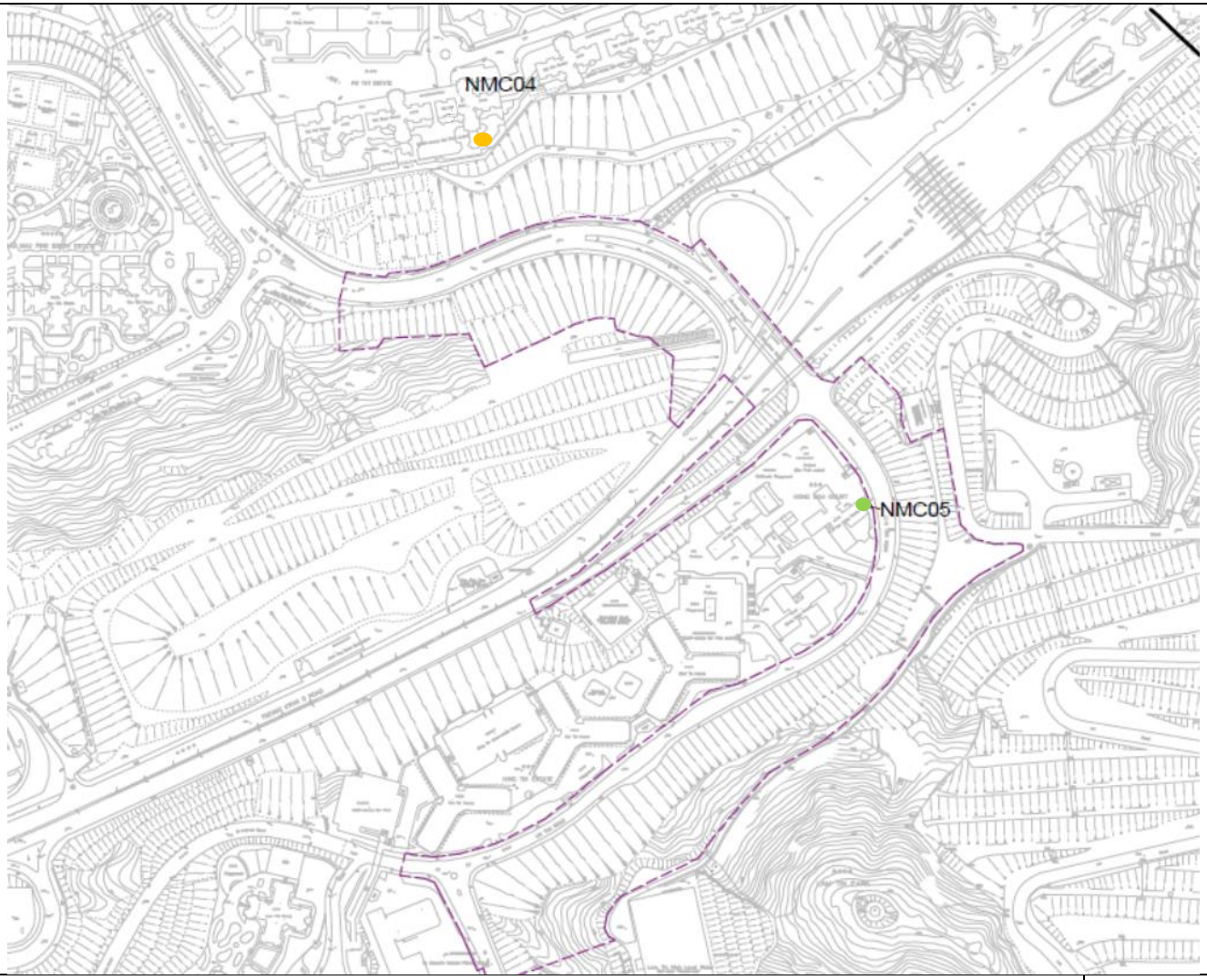
Figure 4.1 to Figure 4.6

Locations of Monitoring Stations



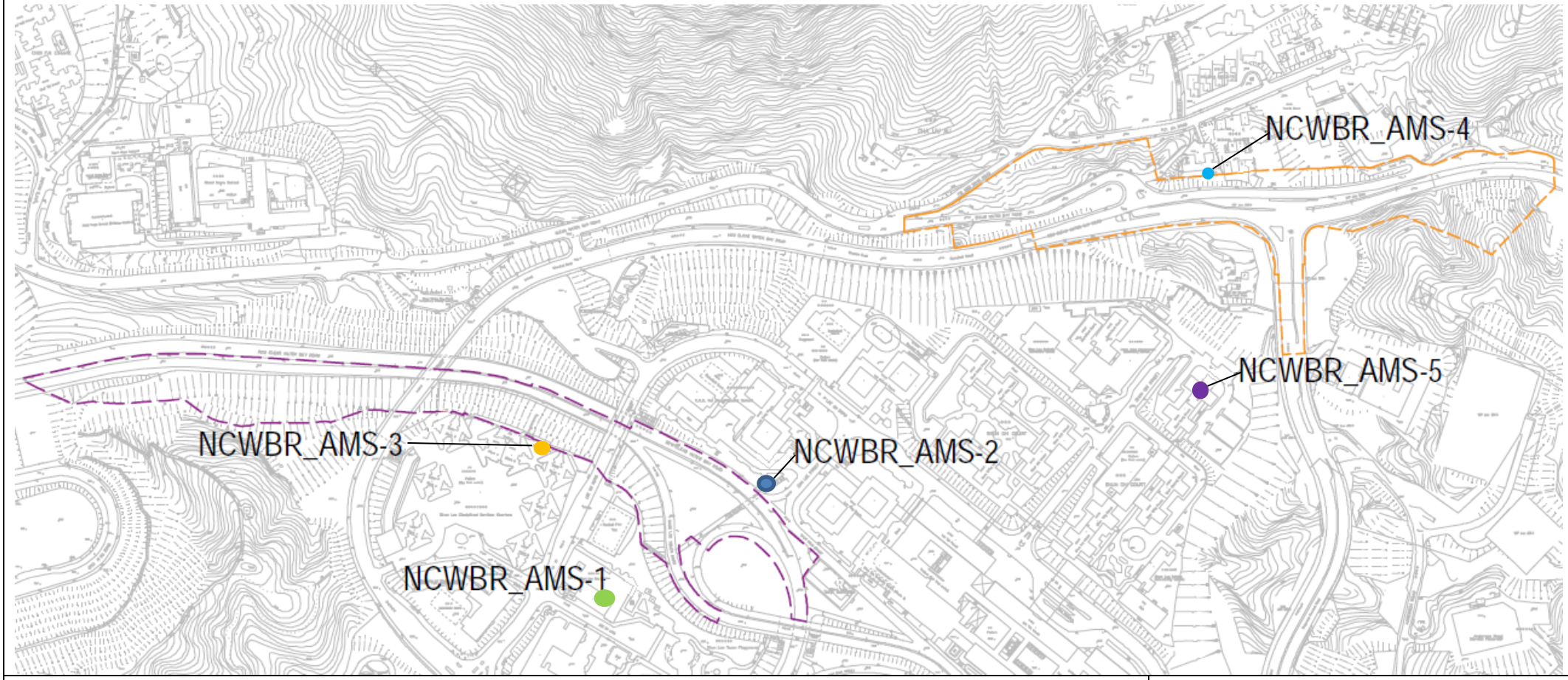
Monitoring Location ID	Description
Noise Monitoring Station (Construction Phase)	
NMC01	Kei Shun Special School
NMC02	Shun Lee Disciplined Services Quarters Block 6
NMC03	Sienna Garden Block 6

Figure 4.1
Location of Noise Monitoring Station
(Construction Phase)
(for Road Improvement Work 1 & 2)



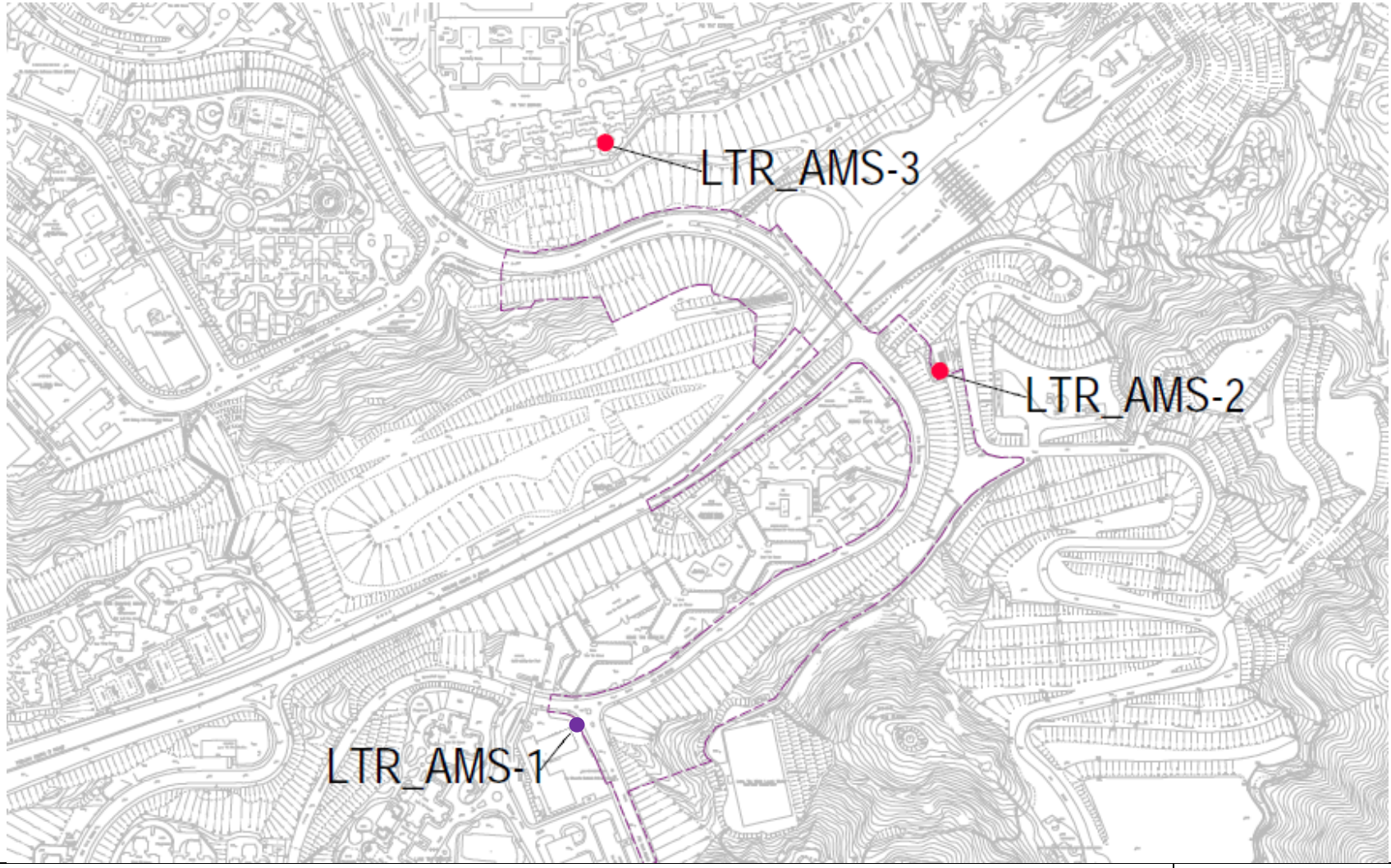
Monitoring Location ID	Description
NMC04	Po Tat Estate Tat Kai House
NMC05	Hong Wah Court Block B Yee Hong House

Figure 4.2
Location of Noise Monitoring Station
(Construction Phase)
(for Road Improvement Work 3)



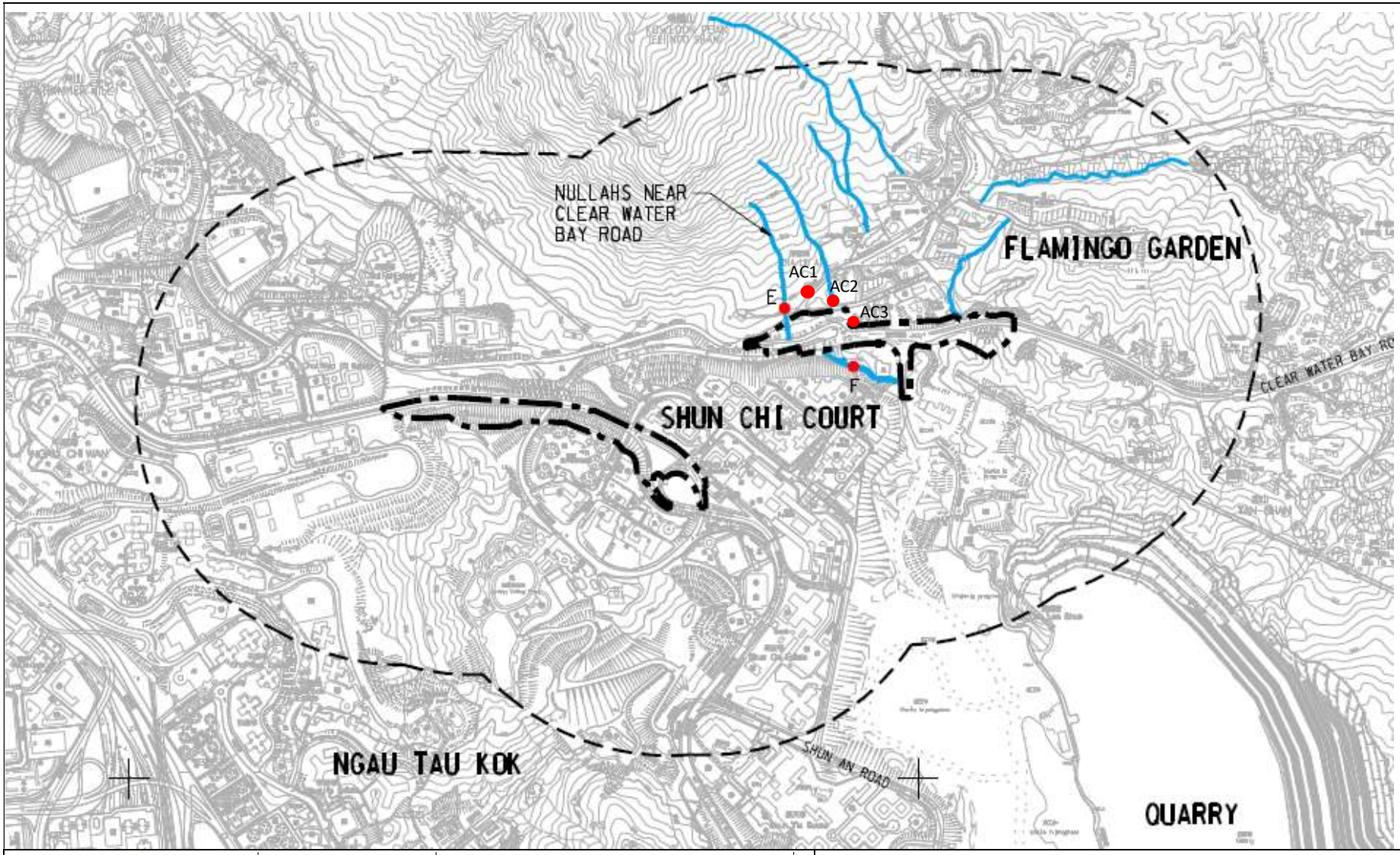
Monitoring Station ID	EIA ID	Location
NCWBR RIW		
NCWBR_AMS-1	ASLF-1	Shun Lee Fire Station
NCWBR_AMS-2	ASLE-21	Shun Lee Estate Lee Hang House
NCWBR_AMS-3	ASLD-10	Shun Lee Disciplined Services Quarters (Block 6)
NCWBR_AMS-4	AFNS-3	Sienna Garden
NCWBR_AMS-5	ASCC-05	Shun Chi Court Shun Fung House

Figure 4.3
Location of Air Quality Monitoring Station
(for Road Improvement Work 1 & 2)



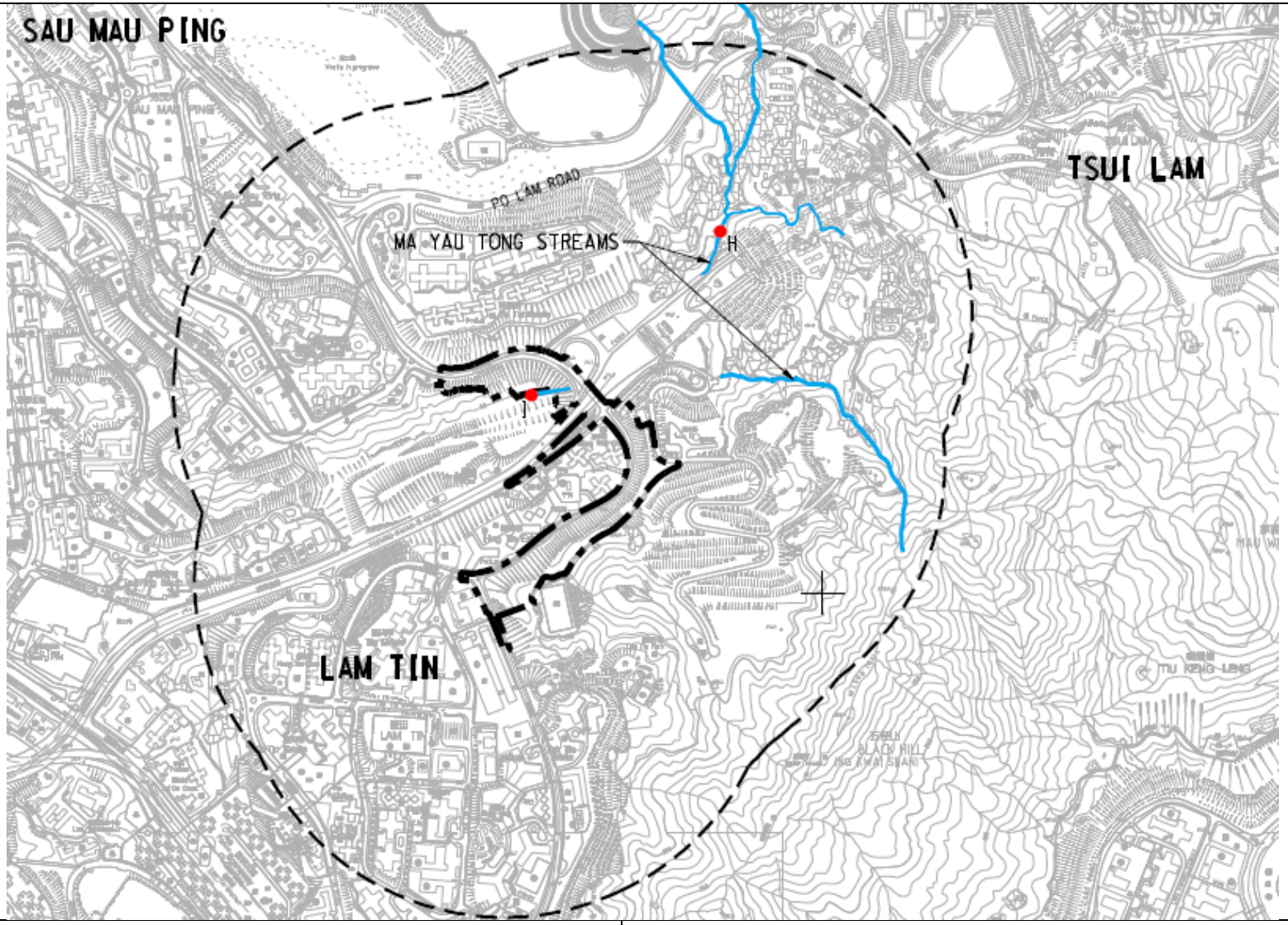
Monitoring Station ID	EIA ID	Location
LTR RIW		
LTR_AMS-1	ASECP-2	St Edward's Catholic Primary School
LTR_AMS-2	AEPD-01	Environmental Protection Department's Restored Landfill Site Office
LTR_AMS-3	APTE-14	Po Tat Estate Tat Kai House

Figure 4.4
Location of Air Quality Monitoring Station (for Road Improvement Work 3)



Inland Water	Stations	Description
Channelized nullah across the Project site	E	Upstream Control Station
	F	Downstream Impact Station
	AC1	Upstream Reference Station
	AC2	Upstream Reference Station
	AC3	Upstream Reference Station

Figure 4.5
Location of Water Quality Monitoring Station
(for Road Improvement Work 1 & 2)



Inland Water	Stations	Description
Ma Yau Tong Stream	H	Upstream Control Station
	I	Downstream Impact Station

Figure 4.6
Location of Water Quality Monitoring Station
(for Road Improvement Work 3)

Appendix 3.1

Environmental Mitigation Implementation Schedule

APPENDIX C - IMPLEMENTATION SCHEDULE OF MITIGATION MEASURES

Introduction

This chapter presents the implementation schedule of mitigation measures for the Project. **Table C.1** summarizes the details of the recommended mitigation measures for all works areas. For each recommended mitigation measure, both the location and timing for the mitigation measures have clearly been identified as well as the parties responsible for implementing the mitigation measures and for maintenance (where applicable).

Table C.1 Implementation Schedule of Mitigation Measures

EIA Ref.	Recommeded Mitigation Measures	Location of the Measures	Implementation Agent	Implementation Stage[(1)]				Relevant Legislation and Guidelines
				Des	C	O	Dec	
Air Quality Impact (Construction Phase)								
4.7.1	Hourly watering with intensity of 0.0455 L/m^2 (tentatively) on the active construction area so as to achieve a dust removal efficiency of 87.5%.	Active works areas	CEDD/Contractor		✓			EIAO-TM, AQOs
4.7.2	• To minimize the dust impact to the surrounding ASRs, dust suppression measures stipulated in the Air Pollution Control (Construction Dust) Regulation should be incorporated to control dust emission from the site. Major control measures relevant to this Project are listed below, and they are recommended to be included in relevant contract documents. - Any excavated or stockpile of dusty material should be covered entirely by impervious sheeting or sprayed with water to maintain the entire surface wet and then removed or backfilled or reinstated where practicable within 24 hours of the excavation or unloading; - Any dusty material remaining after a stockpile is removed should be wetted with water and cleared from the surface of roads; - A stockpile of dusty material should not extend beyond the pedestrian barriers, fencing or traffic cones; - The load of dusty materials on a vehicles leaving a construction site should be covered entirely by impervious sheeting to ensure that the dusty materials do not leak form the vehicle;	All works areas	CEDD/Contractor		✓			Air Pollution Control (Construction Dust) Regulation

EIA Ref.	Recommeded Mitigation Measures	Location of the Measures	Implementation Agent	Implementation Stage[(1)]				Relevant Legislation and Guidelines
				Des	C	O	Dec	
	- Where practicable, vehicles washing facilities including a high pressure water jet should be provided at every discernible or designated vehicle exit point. The area where vehicle washing takes place and the road section between the washing facilities and the exit point should be paved with concrete, bituminous materials or hardcores; - When there are open excavation and reinstatement works, hoarding of not less than 2.4m high should be provided as far as practicable along the site boundary with provision for public crossing. Good site practice shall also be adopted by the Contractor to ensure the conditions of the hoardings are properly maintained throughout the construction period; - The portion of any road leading only to construction site that is within 30m of a vehicle entrance or exit should be kept clear of dusty materials; - Surfaces where any pneumatic or power-driven drilling, cutting, polishing or other mechanical breaking operation takes place should be sprayed with water or a dust suppression chemical continuously; - Any area that involves demolition activities should be sprayed with water or a dust suppression chemical immediately prior to, during and immediately after the activities so as to maintain the entire surface wet; - Where a scaffolding is erected around the perimeter of a building under construction, effective dust screens, sheeting or netting should be provided to enclose the scaffolding from the ground floor level of the building, or a canopy should be provided from the first floor level up to the highest level of the scaffolding; - Any skip hoist for material transport should be totally enclosed by impervious sheeting; - Every stock of more than 20 bags of cement or dry pulverised fuel ash (PFA) should be covered entirely by impervious sheeting or placed in an area sheltered on the top and the three sides;							

EIA Ref.	Recommeded Mitigation Measures	Location of the Measures	Implementation Agent	Implementation Stage[(1)]				Relevant Legislation and Guidelines
				Des	C	O	Dec	
	- Cement or dry PFA delivered in bulk should be stored in a closed silo fitted with an audible high level alarm which is interlocked with the material filling line and no overfilling is allowed; and - Exposed earth should be properly treated by compaction, turfing, hydroseeding, vegetation planting or sealing with latex, vinyl, bitumen, shortcrete or other suitable surface stabiliser within six months after the last construction activity on the construction site or part of the construction site where the exposed earth lies.							
Air Quality Impact (Operational Phase)								
N/A	N/A	N/A	N/A					N/A
Noise Impact (Construction Phase)								
5.8.1 – 5.8.4	<u>Adoption of Quiet PMEs</u> • To reduce the noise impacts at the affected NSRs during normal daytime working hours, mitigation measures such as adopting quiet PME and construction noise barriers are recommended. <u>Construction Noise Barriers</u> • To alleviate the construction noise impact on the affected NSRs, construction noise barriers or enclosures would be erected to provide screening from the construction plant.	All works areas	CEDD/Contractor		✓			EIAO-TM
Noise Impact (Operational Phase)								
5.8.5	Direct mitigation measures in the form of Vertical Noise Barriers, Cantilevered Noise Barriers, Semi-Enclosures and Full Enclosures are proposed on the Project Roads such that the noise level would be reduced to fulfil the EIAO requirements for RIW sites at: • Sau Mau Ping Road and Lin Tak Road, • J/O Clear Water Bay Road and On Sau Road and • New Clear Water Bay Road and Shun Lee Tsuen Road	Project roads	CEDD/Contractor			✓		EIAO-TM

EIA Ref.	Recommeded Mitigation Measures	Location of the Measures	Implementation Agent	Implementation Stage[(1)]				Relevant Legislation and Guidelines
				Des	C	O	Dec	
	•							
Water Quality Impact (Construction Phase)								
6.9.1 - 6.9.13	<u>Construction Site Run-off and General Construction Activities</u> *Boring and Drilling Water* • Water used in ground boring and drilling for site investigation or rock / soil anchoring should as far as practicable be re-circulated after sedimentation. When there is a need for final disposal, the wastewater should be discharged into storm drains via silt removal facilities. *Wheel Washing Water* • All vehicles and plant should be cleaned before they leave a construction site to minimize the deposition of earth, mud, debris on roads. A wheel washing bay should be provided at every site exit if practicable and wash-water should have sand and silt settled out or removed before discharging into storm drains. The section of construction road between the wheel washing bay and the public road should be paved with backfill to reduce vehicle tracking of soil and to prevent site run-off from entering public road drains. *Rubbish and Litter* • Good site practices should be adopted to remove rubbish and litter from construction sites so as to prevent the rubbish and litter from spreading from the site area. It is recommended to clean the construction sites on a regular basis. *Construction Site Run-off* • The site practices outlined in ProPECC PN 1/94 “Construction Site Drainage” should be followed as far as practicable to minimise surface run-off and the chance of erosion. The following measures are recommended to protect water quality and sensitive uses of the coastal area, and when properly implemented should be sufficient to adequately control site discharges so as to avoid water quality impact. • Surface run-off from construction sites should be discharged into storm drains via adequately designed sand/silt removal facilities	All works areas	CEDD/Contractor		✓			ProPECC PN 1/94 Construction Site Drainage TM-DSS Water Pollution Control Ordinance

EIA Ref.	Recommeded Mitigation Measures	Location of the Measures	Implementation Agent	Implementation Stage[(1)]				Relevant Legislation and Guidelines
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	such as sand traps, silt traps and sedimentation basins. Channels or earth bunds or sand bag barriers should be provided on site to properly direct stormwater to such silt removal facilities. Perimeter channels at site boundaries should be provided on site boundaries where necessary to intercept storm run-off from outside the site so that it will not wash across the site. Catchpits and perimeter channels should be constructed in advance of site formation works and earthworks. • Silt removal facilities, channels and manholes should be maintained and the deposited silt and grit should be removed regularly, at the onset of and after each rainstorm to prevent local flooding. Any practical options for the diversion and re-alignment of drainage should comply with both engineering and environmental requirements in order to provide adequate hydraulic capacity of all drains. Minimum distance of 100m should be maintained between the discharge points of construction site run-off and the existing saltwater intakes. No effluent will be discharged into typhoon shelter. • Construction works should be programmed to minimize soil excavation works in rainy seasons (April to September). If excavation in soil cannot be avoided in these months or at any time of year when rainstorms are likely, for the purpose of preventing soil erosion, temporary exposed slope surfaces should be covered e.g. by tarpaulin, and temporary access roads should be protected by crushed stone or gravel, as excavation proceeds. Intercepting channels should be provided (e.g. along the crest / edge of excavation) to prevent storm runoff from washing across exposed soil surfaces. Arrangements should always be in place in such a way that adequate surface protection measures can be safely carried out well before the arrival of a rainstorm. • Earthworks final surfaces should be well compacted and the subsequent permanent work or surface protection should be carried out immediately after the final surfaces are formed to prevent erosion caused by rainstorms. Appropriate drainage like intercepting channels should be provided where necessary. • Measures should be taken to minimize the ingress of rainwater into trenches. If excavation of trenches in wet seasons is necessary, they should be dug and backfilled in short sections. Rainwater							

EIA Ref.	Recommeded Mitigation Measures	Location of the Measures	Implementation Agent	Implementation Stage[(1)]				Relevant Legislation and Guidelines
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	pumped out from trenches or foundation excavations should be discharged into storm drains via silt removal facilities. • Construction materials (e.g. aggregates, sand and fill material) on sites should be covered with tarpaulin or similar fabric during rainstorms. • Manholes (including newly constructed ones) should always be adequately covered and temporarily sealed so as to prevent silt, construction materials or debris from getting into the drainage system, and to prevent storm run-off from getting into foul sewers. Discharge of surface run-off into foul sewers must always be prevented in order not to unduly overload the foul sewerage system. • Good site practices should be adopted to remove rubbish and litter from construction sites so as to prevent the rubbish and litter from spreading from the site area. It is recommended to clean the construction sites on a regular basis. *Site Effluent* • There is a need to apply to EPD for a discharge licence for discharge of effluent from the construction site under the WPCO. The discharge quality must meet the requirements specified in the discharge licence. All the runoff and wastewater generated from the works areas should be treated so that it satisfies all the standards listed in the TM-DSS. The beneficial uses of the treated effluent for other on-site activities such as dust suppression, wheel washing and general cleaning etc., can minimise water consumption and reduce the effluent discharge volume. If monitoring of the treated effluent quality from the works areas is required during the construction phase of the Project, the monitoring should be carried out in accordance with the relevant WPCO licence which is under the ambit of regional office (RO) of EPD.							
6.9.14 - 6.9.16	<u>Accidental Spillage and Potential Contamination of Surface Water and Groundwater</u> • Contractor must register as a chemical waste producer if chemical wastes would be produced from the construction activities. The Waste Disposal Ordinance (Cap 354) and its subsidiary regulations	All works areas	CEDD/Contractor		✓			Waste Disposal Ordinance Waste Disposal (Chemical Waste)

EIA Ref.	Recommeded Mitigation Measures	Location of the Measures	Implementation Agent	Implementation Stage[(1)]				Relevant Legislation and Guidelines
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	in particular the Waste Disposal (Chemical Waste) (General) Regulation, should be observed and complied with for control of chemical wastes. • Any service shop and maintenance facilities should be located on hard standings within a bunded area, and sumps and oil interceptors should be provided. Maintenance of vehicles and equipment involving activities with potential for leakage and spillage should only be undertaken within the areas appropriately equipped to control these discharges. • Disposal of chemical wastes should be carried out in compliance with the Waste Disposal Ordinance. The Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes published under the Waste Disposal Ordinance details the requirements to deal with chemical wastes. General requirements are given as follows: - Suitable containers should be used to hold the chemical wastes to avoid leakage or spillage during storage, handling and transport; - Chemical waste containers should be suitably labelled, to notify and warn the personnel who are handling the wastes, to avoid accidents; and - Storage area should be selected at a safe location on site and adequate space should be allocated to the storage area.							(General) Regulation The Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes
6.9.17 - 6.9.18	<u>Sewage Effluent from Construction Workforce</u> • The construction workforce on site will generate sewage. It is recommended to provide sufficient chemical toilets in the works areas. A licensed waste collector should be deployed to clean the chemical toilets on a regular basis. • Notices should be posted at conspicuous locations to remind the workers not to discharge any sewage or wastewater into the surrounding environment. Regular environmental audit of the construction site will provide an effective control of any malpractices and can encourage continual improvement of environmental performance on site. It is anticipated that sewage generation during the construction phase of the project would not cause water	All works areas	CEDD/Contractor		✓			Water Pollution Control Ordinance

EIA Ref.	Recommeded Mitigation Measures	Location of the Measures	Implementation Agent	Implementation Stage[(1)]				Relevant Legislation and Guidelines
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	pollution problem after undertaking all required measures.							
6.9.19	<u>Construction Works in Close Proximity of Inland Waters</u> • The practices outlined in ETWB TC (Works) No. 5/2005 "Protection of natural streams/rivers from adverse impacts arising from construction works" should also be adopted where applicable to minimize the water quality impacts upon any natural streams or surface water systems. Relevant mitigation measures from the ETWB TC (Works) No. 5/2005 are listed below: - Construction works close to the inland waters should be carried out in dry season as far as practicable where the flow in the surface channel or stream is low. - The use of less or smaller construction plants may be specified in areas close to the water courses to reduce the disturbance to the surface water. - Temporary storage of materials (e.g. equipment, chemicals and fuel) and temporary stockpile of construction materials should be located well away from any water courses during carrying out of the construction works. - Stockpiling of construction materials and dusty materials should be covered and located away from any water courses. - Construction debris and spoil should be covered up and/or disposed of as soon as possible to avoid being washed into the nearby water receivers. - Proper shoring may need to be erected in order to prevent soil or mud from slipping into the watercourses.	All works areas	CEDD/Contractor		✓			Water Pollution Control Ordinance
Water Quality Impact (Operational Phase)								
6.9.20 - 6.9.23	• Best Management Practices (BMPs) to reduce storm water and non-point source pollution have been proposed for the RIW as follows: *Design Measures* • Exposed surface shall be avoided within the RIW sites to minimize soil erosion. The development site shall be either hard paved or	All works areas	CEDD/HyD	✓		✓		Water Pollution Control Ordinance

EIA Ref.	Recommeded Mitigation Measures	Location of the Measures	Implementation Agent	Implementation Stage[(1)]				Relevant Legislation and Guidelines
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	covered by landscaping area where appropriate. • The streams and channelized nullahs near the RIW sites will be retained to maintain the original flow path. The drainage system will be designed to avoid flooding. • Green areas / tree / shrub planting etc. will be introduced along roadside amenity strips and central dividers as far as possible, which can help to reduce soil erosion. • Evergreen trees species, which in general generate relatively smaller amount of fallen leaves, should be selected where possible. *Devices/ Facilities to Control Pollution* • Screening facilities such as standard gully grating and trash grille, with spacing which is capable of screening off large substances such as fallen leaves and rubbish should be provided at the inlet of drainage system. • Road gullies with standard design and silt traps and oil interceptors should be incorporated during the detailed design to remove particles present in stormwater runoff, where appropriate. *Administrative Measures* • Good management measures such as regular cleaning and sweeping of road surface/ open areas are suggested. The road surface/ open area cleaning should also be carried out prior to occurrence rainstorm. • Manholes, as well as stormwater gullies, ditches provided at the Project sites should be regularly inspected and cleaned (e.g. monthly). Additional inspection and cleansing should be carried out before forecast heavy rainfall.							
Waste Management Implication (Construction Phase)								
7.6.1 – 7.6.3	<u>Good Site Practices</u> • Appropriate waste handling, transportation and disposal methods for all waste arising generated during the construction works for the Project should be implemented to ensure that construction wastes do not enter the nearby streams or drainage channel. • It is anticipated that adverse impacts would not arise on the	All works areas	CEDD/Contractor		✓			Waste Disposal Ordinance DEVB TCW No. 6/2010, ETWB TCW No. 19/2005

EIA Ref.	Recommeded Mitigation Measures	Location of the Measures	Implementation Agent	Implementation Stage[(1)]				Relevant Legislation and Guidelines
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	construction site, provided that good site practices are strictly followed. Recommendations for good site practices during the construction activities include: - Nomination of approved personnel, such as a site manager, to be responsible for good site practices, and making arrangements for collection of all wastes generated at the site and effective disposal to an appropriate facility. - Training of site personnel in proper waste management and chemical waste handling procedures. - Provision of sufficient waste reception/ disposal points, of a suitable vermin-proof design that minimises windblown litter. - Arrangement for regular collection of waste for transport off-site and final disposal. - Appropriate measures to minimise windblown litter and dust during transportation of waste by either covering trucks or by transporting wastes in enclosed containers. - Regular cleaning and maintenance programme for drainage systems, sumps and oil interceptors. - A recording system for the amount of wastes generated, recycled and disposed (including the disposal sites) should be proposed. - A Waste Management Plan should be prepared and should be submitted to the Engineer for approval. One may make reference to *ETWB TCW No. 19/2005* for details. • In order to monitor the disposal of C&D materials at landfills and public filling areas, as appropriate, and to control fly tipping, a trip-ticket system should be included as one of the contractual requirements to be implemented by an Environmental Team undertaking the Environmental Monitoring and Audit work. One may take reference to DEVB TCW No.6/2010 for details.							
7.6.4 – 7.6.5	<u>Waste Reduction Measures</u> • Good management and control of construction site activities/	All works areas	CEDD/Contractor	✓	✓			Waste Disposal Ordinance

EIA Ref.	Recommeded Mitigation Measures	Location of the Measures	Implementation Agent	Implementation Stage[(1)]				Relevant Legislation and Guidelines
				Des	C	O	Dec	
	processes can minimise the generation of waste. Waste reduction is best achieved at the planning and design stage, as well as by ensuring the implementation of good site practices. Recommendations to achieve waste reduction include: - Segregate and store different types of construction related waste in different containers, skips or stockpiles to enhance reuse or recycling of materials and their proper disposal. - Provide separate labelled bins to segregate recyclable waste such as aluminium cans from other general refuse generated by the work force, and to encourage collection by individual collectors. - Any unused chemicals or those with remaining functional capacity shall be recycled. - Maximising the use of reusable steel formwork to reduce the amount of C&D materials. - Prior to disposal of C&D waste, it is recommended that wood, steel and other metals shall be separated for re-use and / or recycling to minimise the quantity of waste to be disposed of to landfill. - Adopt proper storage and site practices to minimise the potential for damage to, or contamination of, construction materials. - Plan the delivery and stock of construction materials carefully to minimise the amount of waste generated. - Minimize over ordering of concrete, mortars and cement grout by doing careful check before ordering. • In addition to the above measures, other specific mitigation measures are recommended below to minimise environmental impacts during handling, transportation and disposal of wastes.							ETWB TCW No. 19/2005
7.6.6 – 7.6.8	<u>Construction and Demolition Materials</u> • The C&D materials generated from site clearance, demolition of existing roads, slope excavation works, and construction of new	All works areas	CEDD/Contractor		✓			Waste Disposal Ordinance Waste Disposal

EIA Ref.	Recommeded Mitigation Measures	Location of the Measures	Implementation Agent	Implementation Stage[(1)]				Relevant Legislation and Guidelines
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	roads, retaining wall and piling works should be sorted on-site into inert C&D materials (that is, public fill) and C&D waste. To minimise the impact resulting from collection and transportation of C&D materials as far as practicable. C&D waste, such as wood, plastic, steel and other metals should be reused or recycled and, as a last resort, disposed to landfill. A suitable area should be designated within the site for temporary stockpiling of C&D materials and to facilitate the sorting process. Within the stockpile areas, the following measures should be taken to control potential environmental impacts or nuisance: - Waste such as soil should be handled and stored well to ensure secure containment; - Covering material during heavy rainfall; - Stockpiling area should be provided with covers and water spraying system to prevent materials from wind-blown or being washed away; - Locating stockpiles to minimise potential visual impacts; and - Minimising land intake of stockpile areas as far as possible. <u>General Refuse</u> • General refuse should be stored in enclosed bins or compaction units separate from C&D materials. A reputable waste collector should be employed by the contractor to remove general refuse from the site, separately from C&D materials. An enclosed and covered area is preferred to reduce the occurrence of 'wind blown' light material. <u>Chemical Wastes</u> • If chemical wastes were to be produced at the construction site, the Contractor would be required to register with the EPD as a Chemical Waste Producer, and to follow the guidelines stated in the Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes. Good quality containers compatible with the chemical wastes should be used, and incompatible chemicals should be stored separately. Appropriate labels should be securely attached on each chemical waste container indicating the							(Chemical Waste) (General) Regulation Public Health and Municipal Services Ordinance (Cap. 132) - Public Cleansing and Prevention of Nuisances Regulation Land (Miscellaneous Provisions) Ordinance Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes Packaging, Labelling and Storage of Chemical Wastes

EIA Ref.	Recommeded Mitigation Measures	Location of the Measures	Implementation Agent	Implementation Stage[(1)]				Relevant Legislation and Guidelines
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	corresponding chemical characteristics of the waste such as explosive, flammable, oxidizing, irritant, toxic, harmful, corrosive, etc. The Contractor shall use a licensed collector to transport the chemical wastes. The licensed collector shall deliver the waste to the Chemical Waste Treatment Centre at Tsing Yi, or other licensed facility, in accordance with the Waste Disposal (Chemical Waste) (General) Regulation.							
Waste Management Implication (Operational Phase)								
N/A	N/A	N/A	N/A					
Land Contamination (Construction Phase)								
N/A	N/A	N/A	N/A					
Land Contamination (Operational Phase)								
N/A	N/A	N/A	N/A					
Ecological Impact (Terrestrial) (Construction Phase)								
9.13.2-9.13.5	Measures to Avoid/ Minimize Impacts to Flora Species of Conservation Importance • Within the Project Site boundary, two flora species of conservation importance (Incense Tree and Luofushan Joint-fir) would be subject to direct impacts. A detailed vegetation survey should be conducted by a qualified ecologist / botanist within the Project Site boundary. • A Transplantation Proposal should be prepared by a qualified ecologist / botanist with detailed findings of the vegetation survey (i.e. number and locations of the affected individuals, assessment of the suitability and / or practicality of the transplantation) and locations of receptor site(s), transplantation methodology, implementation programme of transplantation, post-transplantation monitoring and maintenance programme. The proposal should be submitted to and approved by AFCD prior to commencement of any works (including ground investigation. The approved transplantation works should be supervised by a qualified botanist / horticulturist / Certified Arborist with relevant experience in transplanting flora species of conservation importance. After transplantation, a 3-year monitoring and maintenance programme	All works areas	CEDD/Contractor		✓			EIAO-TM

EIA Ref.	Recommeded Mitigation Measures	Location of the Measures	Implementation Agent	Implementation Stage[(1)]				Relevant Legislation and Guidelines
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	of the transplanted species should be conducted to ensure the establishment of the transplanted trees. • Hoarding or fencing should be erected around the works areas during the construction phase to restrict access, to adjacent habitats supporting flora species of conservation importance, by site workers and to reduce human disturbance.							
9.13.6-9.13.8	Measures to Avoid/ Minimize Habitat Loss to Woodland and Plantation • Habitat loss could be avoided in the first instance by retaining existing vegetation wherever possible, particularly mature and semi-mature trees present within the works areas. Any trees retained should be adequately protected during construction phase to promote their health and longevity. Areas which would be temporarily affected by construction activities (i.e. slope works) should be reinstated after completing the construction works. • Hoarding or fencing should be erected around the works areas during construction phase to restrict access to natural habitats adjacent to works areas by site workers.	All works areas	CEDD/Contractor	✓	✓			EIAO-TM
9.13.9-9.13.12	Measures to Minimise Disturbance from Construction Activities • Construction dust should be suppressed to avoid and minimize the dust covering leaves of plants that would affect their photosynthesis, and thus their health and growth: - Regular spraying of haul roads. - Proper storage of construction materials. - Covering trucks or transporting wastes in enclosed containers to minimize windblown litter and dust during transportation of waste. • Noise impact during construction phase should be avoided and minimized to reduce the disturbance to the habitats adjacent to the works areas: - Machines and plant (e.g. trucks) that may be in intermittent use should be shut down between work periods or should be throttled down to a minimum. - Machines and plants known to emit strong directional noise	All works areas	CEDD/Contractor		✓			EIAO-TM

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	should, wherever possible, be orientated so that the noise is directed away from the nearby habitats. - Material stockpiles and other structures should be effectively utilized, wherever practicable, in screening noise from on-site construction activities. - Using Quiet Mechanical Plant (QMP) to limit noise emissions at source. - QMP and other machines and plants (e.g. air compressors, concrete pumps) should be covered by noise enclosure to further reduce noise impact. • Through night-time lighting control during construction phase, glare disturbance to wildlife would be controlled.							
9.13.13	Measures to Minimise Pollution to Watercourses • Good site practices should be adopted to avoid any pollution from entering the watercourses. Practices to minimize surface runoff and to reduce suspended solid levels should be undertaken. - Drainage arrangements should include sediment traps to collect and control construction run-off. - All works and storage area should be restricted to the site boundary. - General refuse and construction wastes should be collected and disposed of in a timely and appropriate manner. - Regular check of the construction boundary to avoid unmitigated impacts imposed on nearby watercourse.	All works areas	CEDD/Contractor		✓			EIAO-TM
Ecological Impact (Terrestrial) (Operational Phase)								
9.13.14	Measures to Minimize Impacts from Noise Barriers • During the operational phase, the road networks and associated noise barriers may result in bird collision and mortality. Mitigation measures such as use of tinted materials and superimposing dark patterns or strips on the barrier, as per EPD / Highways Department requirements would be employed to minimise incidents	All works areas	CEDD/Contractor			✓		EIAO-TM

EIA Ref.	Recommeded Mitigation Measures	Location of the Measures	Implementation Agent	Implementation Stage[(1)]				Relevant Legislation and Guidelines
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	of mortality from collision.							
Landscape and Visual (Construction Phase)								
10.10.4 (Table 10.9)	All existing trees to be retained shall be carefully protected during construction.	All works areas	CEDD/Contractor	✓	✓			DEVB TC (W) No.10/2013
10.10.4 (Table 10.9)	Tree Transplantation Detailed transplanting proposal will be submitted to relevant government departments for approval in accordance with ETWB TCW No. 29/2004, **DEVB TC (W) No.7/2015** and **"Guidelines on Tree Transplanting", GLTMS of DEVB**.	All works areas	CEDD/Contractor	✓	✓			ETWB TCW No. 29/2004 DEVB TC (W) No.7/2015 Guidelines on Tree Transplanting, GLTMS of DEVB
10.10.4 (Table 10.9)	Erection of decorative screen hoarding for reducing visual impacts	All works areas	CEDD/Contractor		✓			EIAO-TM
10.10.4 (Table 10.9)	Measures to avoid / minimize impacts to flora species of conservation importance.	All works areas	CEDD/Contractor	✓	✓			EIAO-TM
Landscape and Visual (Operational Phase)								
10.10.4 (Table 10.10)	Compensatory tree planting for loss of existing trees (Compensation for loss of road side amenity)	All works areas	Design and Construction Stage - CEDD Operational Stage – HyD/LCSD	✓	✓	✓		DEVB TC (W) No.7/2015 GEO publication No. 1/2011
10.10.4 (Table 10.10)	Compensatory woodland planting	All works areas	Design and Construction Stage - CEDD Operational Stage – HyD/ArchSD	✓	✓	✓		DEVB TC (W) No.7/2015 GEO publication No. 1/2011

EIA Ref.	Recommeded Mitigation Measures	Location of the Measures	Implementation Agent	Implementation Stage[(1)]				Relevant Legislation and Guidelines
				Des	C	O	Dec	
10.10.4 (Table 10.10)	Compensatory shrub mix planting	All works areas	Design and Construction Stage - CEDD Operational Stage – HyD	✓	✓	✓		DEVB TC (W) No.7/2015 GEO publication No. 1/2011
10.10.4 (Table 10.10)	Hydro-seeding planting with shrub seed mix	All works areas	Design and Construction Stage - CEDD Operational Stage – HyD	✓	✓	✓		DEVB TC (W) No.7/2015 GEO publication No. 1/2011
10.10.4 (Table 10.10)	Tall buffer advance screen tree / shrub / climber planting	All works areas	Design and Construction Stage - CEDD Operational Stage – HyD	✓	✓	✓		DEVB TC (W) No.7/2015 GEO publication No. 1/2011
10.10.4 (Table 10.10)	Planting of road verges, central divider and around structures	All works areas	Design and Construction Stage - CEDD Operational Stage – HyD, LCSD	✓	✓	✓		ETWB(W) No. 2/2004 Subject to ACABAS approval
10.10.4 (Table 10.10)	Reinstate modified watercourse	All works areas	Design and Construction Stage - CEDD Operational Stage - DSD	✓	✓	✓		EIAO-TM
10.10.4 (Table 10.10)	Provision of visually pleasing aesthetic treatment on noise barriers (with climbers provided if space available) and enclosures	All works areas	Design and Construction Stage - CEDD Operational Stage - HyD	✓	✓	✓		ETWB(W) No. 2/2004 Subject to ACABAS approval
10.10.4 (Table 10.10)	Hard Landscape Treatment Carriageway, Structures and Roadside Furniture (for example, pleasing aesthetic finishing of retaining wall)	All works areas	Design and Construction Stage - CEDD	✓	✓	✓		ETWB(W) No. 10/2005 Subject to

EIA Ref.	Recommeded Mitigation Measures	Location of the Measures	Implementation Agent	Implementation Stage[(1)]				Relevant Legislation and Guidelines
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			Operational Stage – HyD/LCSD/ArchSD					ACABAS approval
10.10.4 (Table 10.10)	Planting of toe planters for slope enhancement	All works areas	Design and Construction Stage - CEDD Operational Stage – LCSD	✓	✓	✓		EIAO-TM GEO publication No. 1/2011
10.10.4 (Table 10.10)	Planting of berm planters/ planting strips for slope enhancement	All works areas	Design and Construction Stage - CEDD Operational Stage – HyD	✓	✓	✓		EIAO-TM GEO publication No. 1/2011
Landfill Gas Hazard (Construction Phase)								
11.9.2 - 11.9.4	• Contractors shall note the possible presence of landfill gas in the ground (even if it is unlikely) and shall take this into account in the design, construction of the proposed works. • A Safety Officer or an appropriately qualified person, trained in the use of gas detection equipment, landfill gas related hazards and the appropriate actions to take in the event of adverse circumstances, shall be present on site throughout the works, in particular, when works are undertaken below ground. • The contractor shall take cognizance of the presence of surface water and leachate management system and landfill gas management systems near the proposed works area. The contractor shall take all reasonable care to avoid any damage, loss, injury, interruption or impairment of the integrity of the landfill facilities within the works limits, storage area and across road area. The contractor shall also liaise and seek EPD and their landfill contractor – Hong Kong Landfill Restoration Group Limited (HKLRG) agreement on site arrangement before carrying out the proposed work.	Works areas within landfill consultation zones	CEDD/Contractor		✓	✓		EPD's Landfill Gas Hazard Assessment Guidance Note
11.9.5 - 11.9.11	<u>Safety Measures</u> • The contractor shall be aware of, and inform all workers accordingly, that methane and carbon dioxide is always likely to be	Works areas within landfill consultation zones	CEDD/Contractor		✓			EPD's Landfill Gas Hazard Assessment

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	present in the soil voids. • All personnel working on site and all visitors to the site be informed of the nearby landfill site and the possibility of landfill gas in the vicinity of the proposed works area. Safety warning notices shall be posted. • No worker shall be allowed to work alone at any time inside the trenches or joint bays or near to any excavation. At least one other worker shall be available to assist in a rescue in an emergency case. • Smoking and naked flames shall be strictly prohibited within the site or confined space if any. 'No Smoking' and 'No Naked Flame' notices shall be posted prominently at the site entrance and other conspicuous locations. • All electrical equipment, such as motors and extension cords, shall be intrinsically safe. • Adequate safely equipment shall be available at all times. This includes but is not limited to fire extinguishing equipment, breathing apparatus and personal protective equipment. • In the event of working inside a confined space is required, sufficient approved resuscitation equipment, breathing apparatus and safety torches shall be available. Persons involved in or supervising such work shall be trained and practiced for the use of such equipment. A permit-to-work system for entry into confined space shall be established by an approved qualified person and consistently enforced. All relevant Ordinances, Legislations, Guidelines and Codes of Practice pertaining to work in confined space must be strictly adhered to.							Guidance Note Labour Department's Code of Practice for Safety and Health at Work in Confined Space
11.9.12-11.9.16	<u>Monitoring</u> • The works area shall be monitored periodically during construction for the presence of methane, carbon dioxide and oxygen using gas detection equipment. The gas detection equipment shall be an intrinsically safe portable instrument, appropriately calibrated and capable of measuring the following gases in the ranges indicated below: – Methane 0 – 100% LEL and 0 – 100% v/v;	Works areas within landfill consultation zones	CEDD/Contractor		✓			EPD's Landfill Gas Hazard Assessment Guidance Note

EIA Ref.	Recommeded Mitigation Measures	Location of the Measures	Implementation Agent	Implementation Stage[(1)]				Relevant Legislation and Guidelines
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	– Carbon dioxide 0 – 100%; and – Oxygen 0 – 21%. • During construction, monitoring of excavations shall be undertaken as follows: • For excavation deeper than 1 m, measurements shall be made: – At the ground surface before excavation commences; – Immediately before any worker enters an excavation; – At the beginning of each working day for the entire period the excavation remains open; and – Periodically through the working day whilst workers are in the excavation. • For excavation between 300 mm and 1 m deep, measurements shall be made: – Directly after the excavation has been completed; and – Periodically whilst the excavation remains open. • For excavation less than 300 mm, monitoring may be omitted at the discretion of the Safety Officer or other appropriate qualified person. • The monitoring frequency and area to be monitored shall be set down prior to commencement of ground works either by the Safety Officer or by an appropriately qualified person. • Monitoring should be undertaken by the Safety Officer or by an appropriately qualified person. The monitoring results shall be recorded and kept on site and shall be readily available at all times for inspection by the relevant authority. • Depending upon the results of measurements, actions will vary. Actions shall be set down by the Safety Officer or other appropriately qualified person prior to commencement of occupancy of the proposed works area.							
Landfill Gas Hazard (Operational Phase)								

EIA Ref.	Recommeded Mitigation Measures	Location of the Measures	Implementation Agent	Implementation Stage[(1)]				Relevant Legislation and Guidelines
				Des	C	O	Dec	
11.10.2 – 11.10.3	• The presence of landfill gas should be assumed at all times by maintenance workers. • All maintenance workers inspecting any manhole should be fully trained in the issue of landfill gas hazard. • Any manhole which is large enough to permit to access to personnel should be subject to safe entry procedures. • Working in confined spaces is controlled by the Factories and Industrial Undertakings (Confined Spaces) Regulations of the Factories and Industrial Undertakings Ordinance. Following the Code of Practice on Safety and Health at Work in Confined Spaces (Labour Department, Hong Kong) maintains compliance with the above regulations. • A strictly regulated "work permit procedure" should be implemented and the relevant safety procedures must be rigidly followed. • Adequate communication with maintenance staff should be maintained with respect to landfill gas hazard. • Utility companies should undertake a landfill gas surveillance exercise at the utility manholes/inspection chambers. • Undertaken using an intrinsically safe portable instrument, appropriately calibrated and capable of measuring the following gases in the ranges indicated: – Methane 0 – 100% LEL and 0 – 100% v/v; – Carbon dioxide 0 – 100%; and – Oxygen 0 – 21%. • Undertaken for the duration of the site occupancy, or until such time that EPD agrees that surveillance is no longer required. • Depending on the results of the measurements, actions required will vary and should be set down by appropriately qualified person.	Works areas within landfill consultation zones	Maintenance contractor/Utility companies			✓		EPD's Landfill Gas Hazard Assessment Guidance Note Labour Department's Code of Practice for Safety and Health at Work in Confined Space

Note:
(1) Des = Design; C = Construction; O = Operation; Dec = Decommissioning

Appendix 4.1

Action and Limit Level

Action and Limit Level

Action and Limit Level for Noise Monitoring

Monitoring Station	Action Level	Limit Level (dB(A))		
		0700-1900 hrs on normal weekdays	0700-2300 hrs on holidays (including Sundays); and 1900-2300 hrs on all days [2]	2300-0700 hrs of all days [2]
NMC01	When one documented complaint is received	65 / 70 [1]	60 / 65 / 70 [3]	45 / 50 / 55 [3]
NMC02		75		
NMC03		75		
NMC04		75		
NMC05		75		

Remark 1: Limit level of NMC01 - Kei Shun Special School reduce to 65 dB (A) during examination periods if any.
Remark 2: Construction noise during restricted hours is under the control of Noise Control Ordinance Limit Level to be selected based on Area Sensitivity Rating.
Remark 3: Limit Level for restricted hour monitoring shall act as reference level only. Investigation would be conducted on CNP compliance if exceedance recorded during restricted hour noise monitoring period.

Baseline Level for Noise Monitoring
(For reference and calculation of Construction Noise Levels (CNLs))

Monitoring Station	Action Level	Baseline Level (dB(A))		
		0700-1900 hrs on normal weekdays	0700-2300 hrs on holidays (including Sundays); and 1900-2300 hrs on all days	2300-0700 hrs of all days
NMC01	When one documented complaint is received	69.3	69.0	66.6
NMC02		72.0	66.3	68.6
NMC03		78.2	77.9	73.8
NMC04		66.6	64.0	62.1
NMC05		61.8	59.8	57.9

All the Construction Noise Levels (CNLs) reported in this report were adjusted with the corresponding baseline level (i.e. Measured Leq – Baseline Leq = CNL), in order to facilitate the interpretation of the noise exceedance.

Action and Limit Level for Air Quality Monitoring

Monitoring Locations	1-hour TSP Level inμg/m3	
	Action Level	Limit Level
NCWBR_AMS-1	284.4	500.0
NCWBR_AMS-2	282.4	500.0
NCWBR_AMS-3	287.9	500.0
NCWBR_AMS-4	281.6	500.0
NCWBR_AMS-5	270.0	500.0
LTR_AMS-1	272.1	500.0
LTR_AMS-2	281.1	500.0
LTR_AMS-3	285.1	500.0

Action and Limit Level for Water Monitoring

Monitoring Station	Surface pH		Surface DO (mg/L)		Surface Turbidity (NTU)		Surface SS (mg/L)	
	Action Level	Limit Level	Action Level	Limit Level	Action Level	Limit Level	Action Level	Limit Level
E	-	-	-	-	-	-	-	-
F	Beyond the range of 6.6-8.4	Beyond the range of 6.5-8.5	5.8	5.5	24.4	32.7	17.0	23.8
H	-	-	-	-	-	-	-	-
I	Beyond the range of 6.6-8.4	Beyond the range of 6.5-8.5	5.5	5.4	206.9	214.2	172.8	201.4

*Remarks:
The value of 1.0mg/L was taken as the value for measurement with suspended solid level of <1.0mg/L for Action and Limit level calculation.
It is recommended that upstream monitoring station (monitoring station E and H) would be taken as control reference for exceedance investigation only. Action and limit level would not be establish using the baseline data.

Appendix 4.2

Copies of Calibration Certificates

MAXLAB

CALIBRATION CERTIFICATE

Certificate Information

Date of Issue	21-May-2026	**Certificate Number**	MLCN261022S

Customer Information

Company Name	Lam Environmental Services Limited
Address	Unit 03, 29/F, New Treasure Centre, 10 Ng Fong Street, San Po Kong, Kowloon, H.K.

Equipment-under-Test (EUT)

Description	Handheld Audio and Acoustic Analyzer
Manufacturer	NTi Audio
Model Number	XL2
Serial Number	A2A-15360-E0
Equipment Number	--

Calibration Particular

Date of Calibration	21-May-2026		
Calibration Equipment	4231(MLTE008) / JL2622654721 / 8-Apr-2029		
Calibration Procedure	MLCG00, MLCG15		
Calibration Conditions	Laboratory	Temperature	23 °C ± 5 °C
		Relative Humidity	55% ± 25%
	EUT	Stabilizing Time	Over 3 hours
		Warm-up Time	10 minutes
		Power Supply	Internal battery
Calibration Results	Calibration data were detailed in the continuation pages.		

Approved By & Date

K.O. Lo 21-May-2026

Statements

* Calibration equipment used for this calibration are traceable to national / international standards.
* The results on this Calibration Certificate only relate to the values measured at the time of the calibration and the uncertainties quoted will not include allowance for the EUT long term drift, variation with environmental changes, vibration and shock during transportation, overloading, mishandling, misuse, and the capacity of any other laboratory to repeat the measurement.
* MaxLab Calibration Centre Limited shall not be liable for any loss or damage resulting from the use of the EUT.
* The copy of this Certificate is owned by MaxLab Calibration Centre Limited. No part of this Certificate may be reproduced without the prior written approval of MaxLab Calibration Centre Limited.

萬儀校正中心有限公司
MaxLab Calibration Centre Limited
香港新界葵涌華星街 16-18 號保盈工業大廈 9 樓 B 室
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MAXLAB

Certificate No. MLCN261022S

Calibration Data

Frequency / Time Weighting	Range	EUT Reading	Standard Reading	EUT Error	Calibration Uncertainty
A / FAST (1 kHz Input)	0 - 100 dB	94.0 dB	94.0 dB	0.0 dB	0.2 dB
	20 - 120 dB	94.0 dB	94.0 dB	0.0 dB	0.2 dB
		114.0 dB	114.0 dB	0.0 dB	0.2 dB
	40 - 140 dB	114.0 dB	114.0 dB	0.0 dB	0.2 dB
C / FAST (1 kHz Input)	0 - 100 dB	94.0 dB	94.0 dB	0.0 dB	0.2 dB
	20 - 120 dB	94.0 dB	94.0 dB	0.0 dB	0.2 dB
		114.0 dB	114.0 dB	0.0 dB	0.2 dB
	40 - 140 dB	114.0 dB	114.0 dB	0.0 dB	0.2 dB
Z / FAST (1 kHz Input)	0 - 100 dB	94.0 dB	94.0 dB	0.0 dB	0.2 dB
	20 - 120 dB	94.0 dB	94.0 dB	0.0 dB	0.2 dB
		114.0 dB	114.0 dB	0.0 dB	0.2 dB
	40 - 140 dB	114.0 dB	114.0 dB	0.0 dB	0.2 dB
A / SLOW (1 kHz Input)	0 - 100 dB	94.0 dB	94.0 dB	0.0 dB	0.2 dB
	40 - 140 dB	114.0 dB	114.0 dB	0.0 dB	0.2 dB
C / SLOW (1 kHz Input)	0 - 100 dB	94.0 dB	94.0 dB	0.0 dB	0.2 dB
	40 - 140 dB	114.0 dB	114.0 dB	0.0 dB	0.2 dB
Z / SLOW (1 kHz Input)	0 - 100 dB	94.0 dB	94.0 dB	0.0 dB	0.2 dB
	40 - 140 dB	114.0 dB	114.0 dB	0.0 dB	0.2 dB
A / Impulse (1 kHz Input)	0 - 100 dB	94.0 dB	94.0 dB	0.0 dB	0.2 dB
	40 - 140 dB	114.0 dB	114.0 dB	0.0 dB	0.2 dB
C / Impulse (1 kHz Input)	0 - 100 dB	94.0 dB	94.0 dB	0.0 dB	0.2 dB
	40 - 140 dB	114.0 dB	114.0 dB	0.0 dB	0.2 dB
Z / Impulse (1 kHz Input)	0 - 100 dB	94.0 dB	94.0 dB	0.0 dB	0.2 dB
	40 - 140 dB	114.0 dB	114.0 dB	0.0 dB	0.2 dB

- END -

Calibrated By : Danilo Cobrador
Date : 21-May-2026

Checked By : K.O. Lo
Date : 21-May-2026

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MaxLab Calibration Centre Limited
香港新界葵涌華星街 16-18 號保盈工業大廈 9 樓 B 室
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CALIBRATION CERTIFICATE

Certificate Information

Date of Issue	26-Feb-2026	**Certificate Number**	MLCN260460S

Customer Information

Company Name	Lam Environmental Services Limited
Address	19/F, Remex Centre, 42 Wong Chuk Hang Road, Hong Kong

Equipment-under-Test (EUT)

Description	Precision Acoustic Calibrator
Manufacturer	Larson Davis
Model Number	CAL200
Serial Number	13098
Equipment Number	--

Calibration Particular

Date of Calibration	26-Feb-2026		
Calibration Equipment	4231(MLTE008) / AV230083 / 6-Jun-26 1357(MLTE190) / MLEC25/05/02 / 9-May-26		
Calibration Procedure	MLCG00, MLCG15		
Calibration Conditions	Laboratory	Temperature	23 °C ± 5 °C
		Relative Humidity	55% ± 25%
	EUT	Stabilizing Time	Over 3 hours
		Warm-up Time	Not applicable
		Power Supply	Internal battery
Calibration Results	Calibration data were detailed in the continuation pages. All calibration results were within EUT specification.		

Approved By & Date

K.O. Lo 26-Feb-2026

Statements

* Calibration equipment used for this calibration are traceable to national / international standards.
* The results on this Calibration Certificate only relate to the values measured at the time of the calibration and the uncertainties quoted will not include allowance for the EUT long term drift, variation with environmental changes, vibration and shock during transportation, overloading, mishandling, misuse, and the capacity of any other laboratory to repeat the measurement.
* MaxLab Calibration Centre Limited shall not be liable for any loss or damage resulting from the use of the EUT.
* The copy of this Certificate is owned by MaxLab Calibration Centre Limited. No part of this Certificate may be reproduced without the prior written approval of MaxLab Calibration Centre Limited.

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MAXLAB

Certificate No. MLCN260460S

Calibration Data

EUT Setting	Standard Reading	EUT Error from Setting	Calibration Uncertainty	EUT Specification
94 dB	94.0 dB	0.0 dB	0.15 dB	± 0.2 dB
114 dB	114.1 dB	0.1 dB	0.15 dB	± 0.2 dB

- END -

Calibrated By : Danilo Cobrador
Date : 26-Feb-26

Checked By : K.O. Lo
Date : 26-Feb-26

萬儀校正中心有限公司
MaxLab Calibration Centre Limited
香港新界葵涌華星街 16-18 號保盈工業大廈 9 樓 B 室
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TISCH Environmental

RECALIBRATION DUE DATE:
February 18, 2027

Certificate of Calibration

Calibration Certification Information				
Cal. Date:	February 18, 2026	**Rootsmeter S/N:** 438320	**Ta:** 294	°K
Operator:	Jim Tisch		**Pa:** 756.7	mm Hg
Calibration Model #:	TE-5025A	**Calibrator S/N:** **3880**		

Run	Vol. Init (m3)	Vol. Final (m3)	ΔVol. (m3)	ΔTime (min)	ΔP (mm Hg)	ΔH (in H2O)
1	1	2	1	1.4570	3.2	2.00
2	3	4	1	1.0290	6.4	4.00
3	5	6	1	0.9190	8.0	5.00
4	7	8	1	0.8740	8.9	5.50
5	9	10	1	0.7230	12.9	8.00

Data Tabulation

Vstd (m3)	Qstd (x-axis)	$\sqrt{\Delta H\left(\frac{Pa}{Pstd}\right)\left(\frac{Tstd}{Ta}\right)}$ (y-axis)	Va	Qa (x-axis)	$\sqrt{\Delta H\left(Ta/Pa\right)}$ (y-axis)
1.0049	0.6897	1.4207	0.9958	0.6834	0.8815
1.0006	0.9724	2.0091	0.9915	0.9636	1.2467
0.9985	1.0865	2.2463	0.9894	1.0766	1.3938
0.9973	1.1411	2.3559	0.9882	1.1307	1.4619
0.9920	1.3720	2.8414	0.9830	1.3595	1.7631
QSTD	**m=**	**2.08055**	**QA**	**m=**	**1.30280**
	b=	**-0.01476**		**b=**	**-0.00916**
	r=	**0.99999**		**r=**	**0.99999**

Calculations

Vstd=	ΔVol((Pa-ΔP)/Pstd)(Tstd/Ta)	**Va=**	ΔVol((Pa-ΔP)/Pa)
Qstd=	Vstd/ΔTime	**Qa=**	Va/ΔTime

For subsequent flow rate calculations:

Qstd= $1/m\left(\left(\sqrt{\Delta H\left(\frac{Pa}{Pstd}\right)\left(\frac{Tstd}{Ta}\right)}\right)-b\right)$

Qa= $1/m\left(\left(\sqrt{\Delta H\left(Ta/Pa\right)}\right)-b\right)$

Standard Conditions	
Tstd:	298.15 °K
Pstd:	760 mm Hg

Key
ΔH: calibrator manometer reading (in H2O)
ΔP: rootsmeter manometer reading (mm Hg)
Ta: actual absolute temperature (°K)
Pa: actual barometric pressure (mm Hg)
b: intercept
m: slope

RECALIBRATION
US EPA recommends annual recalibration per 1998 40 Code of Federal Regulations Part 50 to 51, Appendix B to Part 50, Reference Method for the Determination of Suspended Particulate Matter in the Atmosphere, 9.2.17, page 30

Tisch Environmental, Inc.
145 South Miami Avenue
Village of Cleves, OH 45002

www.tisch-env.com
TOLL FREE: (877)263-7610
FAX: (513)467-9009

Lam Environmental Services Limited

Calibration Data for High Volume Sampler (TSP Sampler)

Location	:	GCE	**Calbration Date**	:	9-Mar-26
Equipment no.	:	2493	**Calbration Due Date**	:	9-Jun-26

CALIBRATION OF CONTINUOUS FLOW RECORDER

Ambient Condition					
Temperature, T_a	293	Kelvin	**Pressure, P_a**	1022	mmHg

Orifice Transfer Standard Information					
Equipment No.	**3880**	**Slope, m_c**	2.08055	**Intercept, bc**	-0.01476
Last Calibration Date	18-Feb-26	$(H \times P_a / 1013.3 \times 298 / T_a)^{1/2}$			
Next Calibration Date	18-Feb-27	$= m_c \times Q_{std} + b_c$			

Calibration of TSP						
Calibration Point	**Manometer Reading H (inches of water)**			**Q_{std}** (m^3 / min.)	**Continuous Flow Recorder, W**	**IC** ($W(P_a/1013.3 \times 298/T_a)^{1/2}/35.31$)
	(up)	(down)	(difference)	**X-axis**	(CFM)	**Y-axis**
1	1.2	1.2	2.4	0.7612	31	31.3973
2	2.1	2.1	4.2	1.0047	38	38.4870
3	3.3	3.3	6.6	1.2577	46	46.5896
4	4.5	4.5	9.0	1.4675	51	51.6536
5	5.6	5.6	11.2	1.6362	56	56.7177

By Linear Regression of Y on X

Slope, m	=	28.8832	Intercept, b	=	9.5730
Correlation Coefficient*	=	0.9992			
Calibration Accepted	=	Yes/~~No~~**			

* if Correlation Coefficient < 0.990, check and recalibration again.

** Delete as appropriate.

Remarks : Serial No.:2493

Calibrated by	:	William Cheung	**Checked by**	:	Derek Lo
Date	:	9-Mar-26	**Date**	:	9-Mar-26

Lam Environmental Services Limited

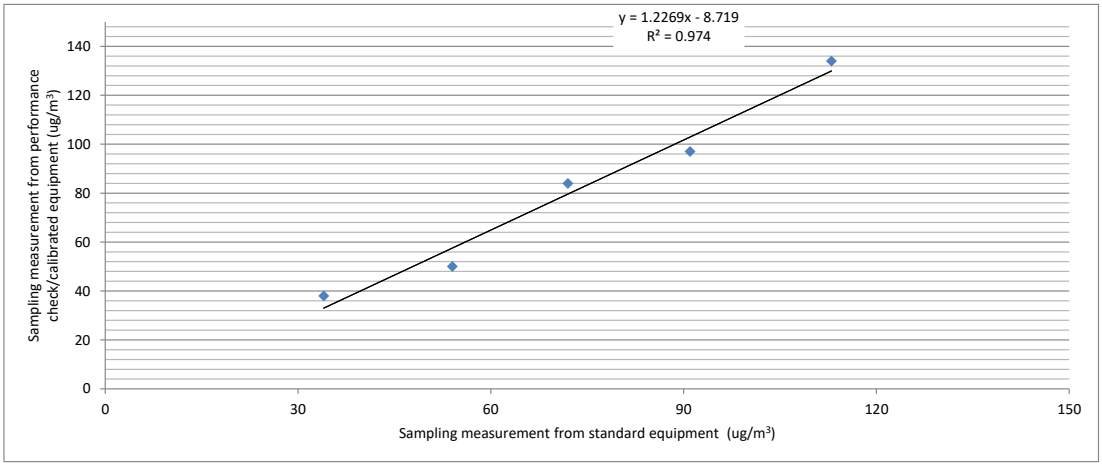
Equipment	Portable Dust Meter	Standard Equipment (High Volume Sampler)
Manufacturer	MET ONE INSTRUMENTS	TISCH
Model Number	BT-645	TE-5170
Serial Number	B17940	2493
Date	9-Mar-26	9-Mar-26
Location	GCE laboratory calibration area - 6 Ko Shan Rd., Hung Hom, KL	

Portable Dust Meter Performance Check Results

Check Point	Date & Time	Mean Temp (°C)	Mean Pressure (hPa)	Concentration in ug/m^3 (Standard equipment) (X - Axis)	Concentration in ug/m^3 (Performance Check / Calibrated equipment) (Y - Axis)
1	9/3/2026 10:30 -11:30	20	1022	34	38
2	9/3/2026 11:34 -12:34	20	1022	54	50
3	9/3/2026 12:38 - 13:38	20	1022	72	84
4	9/3/2026 13:43 - 14:44	20	1022	91	97
5	9/3/2026 14:47 - 15:47	20	1022	113	134

Linear Regression of Y on X

Slope (K- factor) : 0.8000
Correlation Coefficient : 0.9869
Validity of Performance Check / Calibration Record : 9/3/2027



Operator: William Cheung Date: 9/3/2026

Checked by: Derek Lo Date: 9/3/2026

Lam Environmental Services Limited

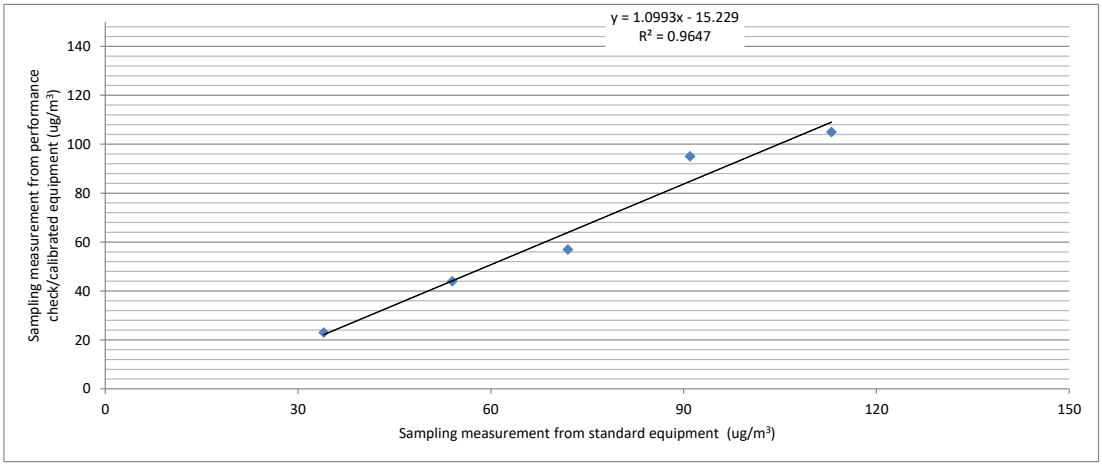
Equipment	Portable Dust Meter	Standard Equipment (High Volume Sampler)
Manufacturer	MET ONE INSTRUMENTS	TISCH
Model Number	BT-645	TE-5170
Serial Number	B17942	2493
Date	9-Mar-26	9-Mar-26
Location	GCE laboratory calibration area - 6 Ko Shan Rd., Hung Hom, KL	

Portable Dust Meter Performance Check Results

Check Point	Date & Time	Mean Temp (°C)	Mean Pressure (hPa)	Concentration in ug/m^3 (Standard equipment) (X - Axis)	Concentration in ug/m^3 (Performance Check / Calibrated equipment) (Y - Axis)
1	9/3/2026 10:30 -11:30	20	1022	34	23
2	9/3/2026 11:34 -12:34	20	1022	54	44
3	9/3/2026 12:38 - 13:38	20	1022	72	57
4	9/3/2026 13:43 - 14:44	20	1022	91	95
5	9/3/2026 14:47 - 15:47	20	1022	113	105

Linear Regression of Y on X

Slope (K- factor) : 0.9000
Correlation Coefficient : 0.9822
Validity of Performance Check / Calibration Record : 9/3/2027



Operator: William Cheung Date: 9/3/2026

Checked by: Derek Lo Date: 9/3/2026

Lam Environmental Services Limited

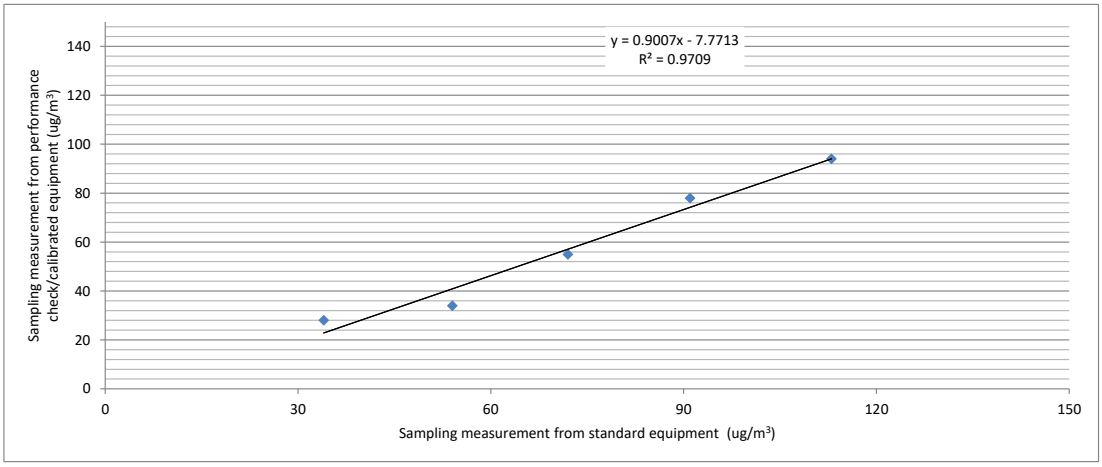
Equipment	Portable Dust Meter	Standard Equipment (High Volume Sampler)
Manufacturer	MET ONE INSTRUMENTS	TISCH
Model Number	BT-645	TE-5170
Serial Number	C15621	2493
Date	9-Mar-26	9-Mar-26
Location	GCE laboratory calibration area - 6 Ko Shan Rd., Hung Hom, KL	

Portable Dust Meter Performance Check Results

Check Point	Date & Time	Mean Temp (°C)	Mean Pressure (hPa)	Concentration in ug/m^3 (Standard equipment) (X - Axis)	Concentration in ug/m^3 (Performance Check / Calibrated equipment) (Y - Axis)
1	9/3/2026 10:30 -11:30	20	1022	34	28
2	9/3/2026 11:34 -12:34	20	1022	54	34
3	9/3/2026 12:38 - 13:38	20	1022	72	55
4	9/3/2026 13:43 - 14:44	20	1022	91	78
5	9/3/2026 14:47 - 15:47	20	1022	113	94

Linear Regression of Y on X

Slope (K- factor) : 1.1000
Correlation Coefficient : 0.9854
Validity of Performance Check / Calibration Record : 9/3/2027



Operator: William Cheung Date: 9/3/2026

Checked by: Derek Lo Date: 9/3/2026

Lam Environmental Services Limited

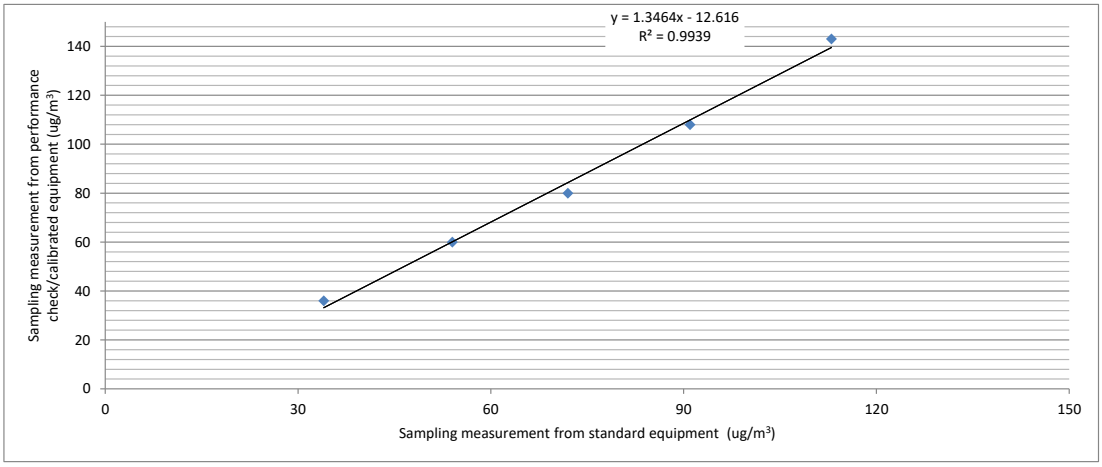
Equipment	Portable Dust Meter	Standard Equipment (High Volume Sampler)
Manufacturer	MET ONE INSTRUMENTS	TISCH
Model Number	Aerocet 831	TE-5170
Serial Number	R14332	2493
Date	9-Mar-26	9-Mar-26
Location	GCE laboratory calibration area - 6 Ko Shan Rd., Hung Hom, KL	

Portable Dust Meter Performance Check Results

Check Point	Date & Time	Mean Temp (°C)	Mean Pressure (hPa)	Concentration in ug/m^3 (Standard equipment) (X - Axis)	Concentration in ug/m^3 (Performance Check / Calibrated equipment) (Y - Axis)
1	9/3/2026 10:30 -11:30	20	1022	34	36
2	9/3/2026 11:34 -12:34	20	1022	54	60
3	9/3/2026 12:38 - 13:38	20	1022	72	80
4	9/3/2026 13:43 - 14:44	20	1022	91	108
5	9/3/2026 14:47 - 15:47	20	1022	113	143

Linear Regression of Y on X

Slope (K- factor) : 0.8000
Correlation Coefficient : 0.9969
Validity of Performance Check / Calibration Record : 9/3/2027



Operator: William Cheung Date: 9/3/2026

Checked by: Derek Lo Date: 9/3/2026

Lam Environmental Services Limited

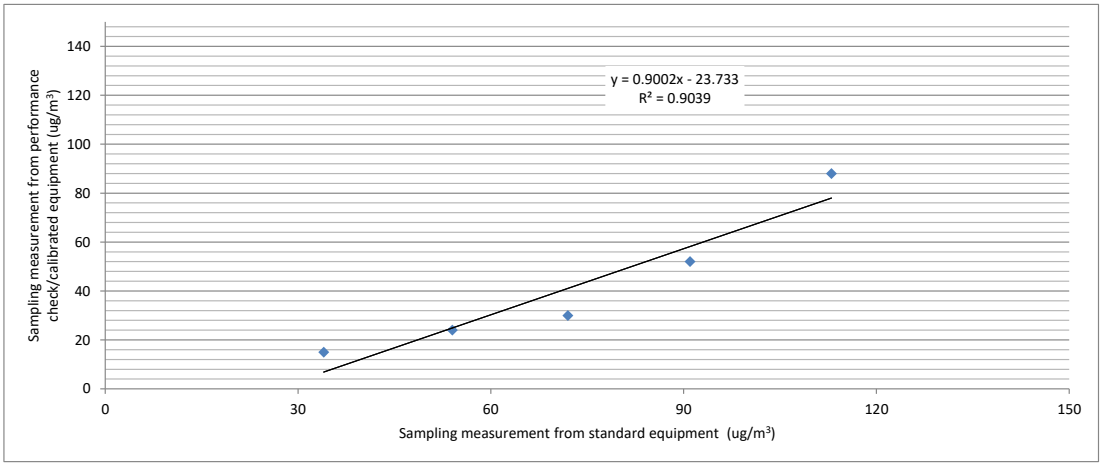
Equipment	Portable Dust Meter	Standard Equipment (High Volume Sampler)
Manufacturer	MET ONE INSTRUMENTS	TISCH
Model Number	Aerocet 831	TE-5170
Serial Number	W15449	2493
Date	9-Mar-26	9-Mar-26
Location	GCE laboratory calibration area - 6 Ko Shan Rd., Hung Hom, KL	

Portable Dust Meter Performance Check Results

Check Point	Date & Time	Mean Temp (°C)	Mean Pressure (hPa)	Concentration in ug/m^3 (Standard equipment) (X - Axis)	Concentration in ug/m^3 (Performance Check / Calibrated equipment) (Y - Axis)
1	9/3/2026 10:30 -11:30	20	1022	34	15
2	9/3/2026 11:34 -12:34	20	1022	54	24
3	9/3/2026 12:38 - 13:38	20	1022	72	30
4	9/3/2026 13:43 - 14:44	20	1022	91	52
5	9/3/2026 14:47 - 15:47	20	1022	113	88

Linear Regression of Y on X

Slope (K- factor) : 1.1000
Correlation Coefficient : 0.9507
Validity of Performance Check / Calibration Record : 9/3/2027



Operator: William Cheung Date: 9/3/2026

Checked by: Derek Lo Date: 9/3/2026

Lam Environmental Services Limited

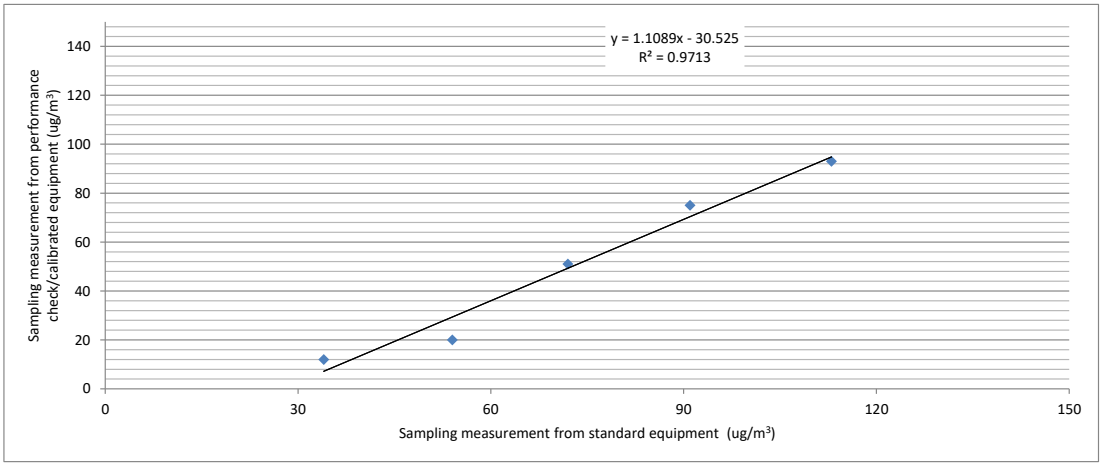
Equipment	Portable Dust Meter	Standard Equipment (High Volume Sampler)
Manufacturer	MET ONE INSTRUMENTS	TISCH
Model Number	Aerocet 831	TE-5170
Serial Number	W16848	2493
Date	9-Mar-26	9-Mar-26
Location	GCE laboratory calibration area - 6 Ko Shan Rd., Hung Hom, KL	

Portable Dust Meter Performance Check Results

Check Point	Date & Time	Mean Temp (°C)	Mean Pressure (hPa)	Concentration in ug/m^3 (Standard equipment) (X - Axis)	Concentration in ug/m^3 (Performance Check / Calibrated equipment) (Y - Axis)
1	9/3/2026 10:30 -11:30	20	1022	34	12
2	9/3/2026 11:34 -12:34	20	1022	54	20
3	9/3/2026 12:38 - 13:38	20	1022	72	51
4	9/3/2026 13:43 - 14:44	20	1022	91	75
5	9/3/2026 14:47 - 15:47	20	1022	113	93

Linear Regression of Y on X

Slope (K- factor) : 0.9000
Correlation Coefficient : 0.9856
Validity of Performance Check / Calibration Record : 9/3/2027



Operator: William Cheung Date: 9/3/2026

Checked by: Derek Lo Date: 9/3/2026

Lam Environmental Services Limited

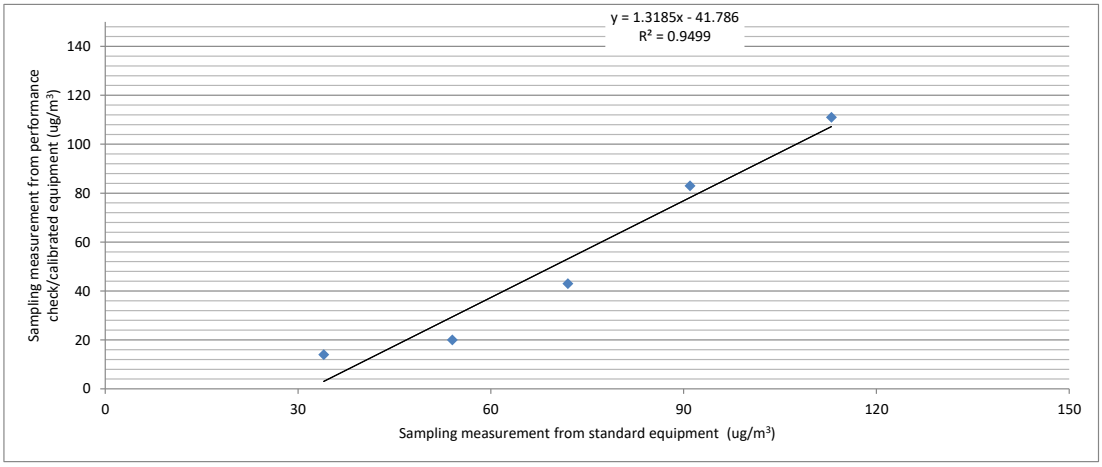
Equipment	Portable Dust Meter	Standard Equipment (High Volume Sampler)
Manufacturer	MET ONE INSTRUMENTS	TISCH
Model Number	Aerocet 831	TE-5170
Serial Number	Y23153	2493
Date	9-Mar-26	9-Mar-26
Location	GCE laboratory calibration area - 6 Ko Shan Rd., Hung Hom, KL	

Portable Dust Meter Performance Check Results

Check Point	Date & Time	Mean Temp (°C)	Mean Pressure (hPa)	Concentration in ug/m^3 (Standard equipment) (X - Axis)	Concentration in ug/m^3 (Performance Check / Calibrated equipment) (Y - Axis)
1	9/3/2026 10:30 -11:30	20	1022	34	14
2	9/3/2026 11:34 -12:34	20	1022	54	20
3	9/3/2026 12:38 - 13:38	20	1022	72	43
4	9/3/2026 13:43 - 14:44	20	1022	91	83
5	9/3/2026 14:47 - 15:47	20	1022	113	111

Linear Regression of Y on X

Slope (K- factor) : 0.8000
Correlation Coefficient : 0.9746
Validity of Performance Check / Calibration Record : 9/3/2027



Operator: William Cheung Date: 9/3/2026

Checked by: Derek Lo Date: 9/3/2026

Lam Environmental Services Limited

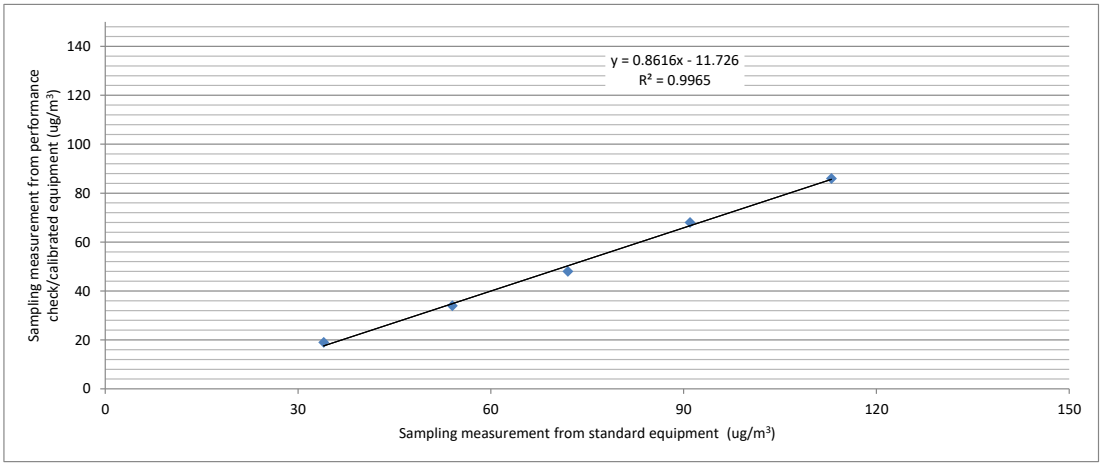
Equipment	Portable Dust Meter	Standard Equipment (High Volume Sampler)
Manufacturer	MET ONE INSTRUMENTS	TISCH
Model Number	Aerocet 831	TE-5170
Serial Number	Y23160	2493
Date	9-Mar-26	9-Mar-26
Location	GCE laboratory calibration area - 6 Ko Shan Rd., Hung Hom, KL	

Portable Dust Meter Performance Check Results

Check Point	Date & Time	Mean Temp (°C)	Mean Pressure (hPa)	Concentration in ug/m^3 (Standard equipment) (X - Axis)	Concentration in ug/m^3 (Performance Check / Calibrated equipment) (Y - Axis)
1	9/3/2026 10:30 -11:30	20	1022	34	19
2	9/3/2026 11:34 -12:34	20	1022	54	34
3	9/3/2026 12:38 - 13:38	20	1022	72	48
4	9/3/2026 13:43 - 14:44	20	1022	91	68
5	9/3/2026 14:47 - 15:47	20	1022	113	86

Linear Regression of Y on X

Slope (K- factor) : 1.2000
Correlation Coefficient : 0.9983
Validity of Performance Check / Calibration Record : 9/3/2027



Operator: William Cheung Date: 9/3/2026

Checked by: Derek Lo Date: 9/3/2026

專業化驗有限公司
QUALITY PRO TEST-CONSULT LIMITED
Unit 10, 5/F, Wah Wai Centre, 38-40 Au Pui Wan St., Fotan, Hong Kong
Email: info@qualityprotest.com; Website: www.qualityprotest.com
Tel: (852) 3956 8717; Fax: (852) 3956 3928

REPORT OF EQUIPMENT PERFORMANCE CHECK/ CALIBRATION

Test Report No. : R-BF070268
Date of Issue : 20 July 2026

PART A - CUSTOMER INFORMATION

Lam Environmental Services Limited
Unit 03, 29/F, New Treasure Centre, 10 Ng Fong Street, San Po Kong, Kowloon

PART B - SAMPLE INFORMATION

Name of Equipment :	YSI Quatro Multi Parameters
Manufacturer :	YSI
Serial Number :	17G100383(meter)/ 24F100176(probe)
Date of Received :	14 July 2026
Date of Calibration :	17 July 2026
Date of Next Calibration :	16 October 2026
Request No. :	D-BF070268

PART C - REFERENCE METHODS/ DOCUMENTS FOR THE CALIBRATION

Test Parameter	Reference Method
pH value	APHA 21e 4500-H^+ B
Temperature	Section 6 of international Accreditation New Zealand Technical Guide no. 3 Second edition March 2008: Working Thermometer Calibration Procedure
Dissolved oxygen	APHA 23e 4500-O G (Membrane Electrode Method)
Salinity	APHA 23e 2520 B (Electrical Conductivity Method)

PART D - CALIBRATION RESULT

(1) pH value

Target (pH unit)	Display Reading (pH unit)	Tolerance (pH unit)	Result
4.00	4.07	0.07	Satisfactory
7.42	7.44	0.02	Satisfactory
10.01	10.03	0.02	Satisfactory

Tolerance of pH value should be less than ± 0.2 (pH unit)

(2) Temperature

Reading of Ref. thermometer (°C)	Display Reading (°C)	Tolerance (°C)	Result
23.1	23.1	0	Satisfactory
36.2	36.2	0	Satisfactory
19.4	19.2	-0.2	Satisfactory

Tolerance of Temperature should be less than ± 2.0 (°C)

(3) Dissolved oxygen

Expected Reading (mg/L)	Display Reading (mg/L)	Tolerance (mg/L)	Result
8.67	8.63	-0.04	Satisfactory
5.77	5.69	-0.08	Satisfactory
3.84	3.75	-0.09	Satisfactory
0.27	0.04	-0.23	Satisfactory

Tolerance of Dissolved oxygen should be less than ± 0.5 (mg/L)

--- CONTINUED ON NEXT PAGE ---

AUTHORIZED SIGNATORY:

LEE Ngo-fung
Senior Chemist

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REPORT OF EQUIPMENT PERFORMANCE CHECK/ CALIBRATION

Test Report No. : R-BF070268
Date of Issue : 20 July 2026

(4) Salinity

Expected Reading (g/L)	Display Reading (g/L)	Tolerance (%)	Result
10	9.74	-2.6	Satisfactory
20	19.67	-1.65	Satisfactory
30	29.64	-1.2	Satisfactory

Tolerance of Salinity should be less than ± 10.0 (%)

Remark(s): -

- *The "Date of Next Calibration" is recommended according to best practice principles followed by QPT or relevant international standards.*
- *The results relate only to the calibrated equipment as received.*
- *The performance of the equipment stated in this report is checked using independent reference material, with results compared against a calibrated secondary source.*
- *"Displayed Reading" denotes the figure shown on the item under calibration/checking, regardless of equipment precision or significant figures.*
- *The "Tolerance Limit" mentioned is the acceptance criteria applicable to similar equipment used by Quality Pro Test-Consult Ltd. or quoted from relevant international standards.*

--- END OF REPORT ---

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QUALITY PRO TEST-CONSULT LIMITED
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REPORT OF EQUIPMENT PERFORMANCE CHECK/ CALIBRATION

Test Report No. : R-BF100268
Date of Issue : 23 October 2026

PART A - CUSTOMER INFORMATION

Lam Environmental Services Limited
Unit 03, 29/F, New Treasure Centre, 10 Ng Fong Street, San Po Kong, Kowloon

PART B - SAMPLE INFORMATION

Name of Equipment :	YSI ProQuatro
Manufacturer :	YSI
Serial Number :	20M101455; probe: 20M100002
Date of Received :	07 October 2026
Date of Calibration :	15 October 2026
Date of Next Calibration :	14 January 2027
Request No. :	D-BF100268

PART C - REFERENCE METHODS/ DOCUMENTS FOR THE CALIBRATION

Test Parameter	Reference Method
pH value	APHA 21e 4500-H^+ B
Temperature	Section 6 of international Accreditation New Zealand Technical Guide no. 3 Second edition March 2008: Working Thermometer Calibration Procedure
Dissolved oxygen	APHA 23e 4500-O G (Membrane Electrode Method)
Salinity	APHA 23e 2520 B (Electrical Conductivity Method)

PART D - CALIBRATION RESULT

(1) pH value

Target (pH unit)	Display Reading (pH unit)	Tolerance (pH unit)	Result
4.00	4.05	0.05	Satisfactory
7.42	7.37	-0.05	Satisfactory
10.01	10.00	-0.01	Satisfactory

Tolerance of pH value should be less than ± 0.2 (pH unit)

(2) Temperature

Reading of Ref. thermometer (°C)	Display Reading (°C)	Tolerance (°C)	Result
12.3	12.4	0.1	Satisfactory
25.8	25.7	-0.1	Satisfactory
42.3	42.5	0.2	Satisfactory

Tolerance of Temperature should be less than ± 2.0 (°C)

(3) Dissolved oxygen

Expected Reading (mg/L)	Display Reading (mg/L)	Tolerance (mg/L)	Result
8.22	8.13	-0.09	Satisfactory
6.42	6.29	-0.13	Satisfactory
3.80	3.69	-0.11	Satisfactory
0.06	-0.22	-0.28	Satisfactory

Tolerance of Dissolved oxygen should be less than ± 0.5 (mg/L)

--- CONTINUED ON NEXT PAGE ---

AUTHORIZED SIGNATORY:

LEE Ngo-fung
Senior Chemist

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REPORT OF EQUIPMENT PERFORMANCE CHECK/ CALIBRATION

Test Report No. : R-BF100268
Date of Issue : 23 October 2026

(4) Salinity

Expected Reading (g/L)	Display Reading (g/L)	Tolerance (%)	Result
10	10.05	0.5	Satisfactory
20	20.13	0.65	Satisfactory
30	30.32	1.1	Satisfactory

Tolerance of Salinity should be less than ± 10.0 (%)

Remark(s)

·The "Date of Next Calibration" is recommended according to best practice principals as practiced by QPT or quoted from relevant international standards.

·The results relate only to the calibrated equipment as received

·The performance of the equipment stated in this report is checked with independent reference material and results compared against a calibrated secondary source.

·"Displayed Reading" denotes the figure shown on item under calibration/ checking regardless of equipment precision or significant figures.

·The "Tolerance Limit" mentioned is the acceptance criteria applicable for similar equipment used by Quality Pro Test-Consult Ltd. or quoted from relevant international standards.

--- END OF REPORT ---

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FT Laboratories Ltd
科達測檢試驗所有限公司

Calibration Report

Calibration No.	:	60408001-G29G1801
Laboratory	:	FT LaboratoriesLtd.
Address	:	Lot No. DD77 Section 1552 S.Ass 1RP, Ng Chow South Road, Ping Che, Fanling, New Territories
Telephone	:	(852) 2758 4861
Facsimile	:	(852) 2758 8962
Customer	:	**Lam Environmental Services Limited**
Address	:	**19/F., Remex Centre, 42 Wong Chuk Hang Road, Hong Kong**
Item Calibrated	:	Name/Description: Turbidimeter
		Manufacturer: Shanghai Xinrui Instruments & Meters co.,Ltd
		Model no: WGZ-3B
		Equipment no.: 2202020
Reference Standard / Major Measurement Equipment	:	C23/01 under NCRM reference material number GBW(E) 120125. Standard Solution of Formazine Turbidity
Calibration Method	:	In-house calibration method according to Ref: APHA22nd ed 213 OB
Date of item received	:	29 Jul.,2026
Date of Calibration	:	30 Jul.,2026
Location of Calibration	:	Chemical Laboratory of FT LaboratoriesLtd.
Calibration Conditions		
Temperature	:	20 ± 3 °C
Relative Humidity	:	30% to 80%
Test Results	:	The test results are detailed in the subsequent page(s).

Certified by : _____ Date of Issue: 31 JUL 2026

☑ CHAN Joseph Nicolas (Assistant Technical Manager)

Notes: **(1) The above equipment has been calibrated against standards which are traceable to internationally recognized standards.**

(2) This certificate shall not be reproduced, except in full, without the written approval of FT LaboratoriesLtd.

Calibration Report

Calibration No. : 60408001-G29G1801

Results

Turbidity of standard solution used (NTU)	Measured value (NTU)	Error (%)
0	0	---
4	4.00	0.00%
10	10.00	0.00%
40	40.00	0.00%
100	99.8	-0.20%
400	398.0	-0.50%
1000	997.0	-0.30%

Remarks:

(A) Each reported result is the mean of three measurements on UUT (unit-under-test).

(B) The values given in this Calibration Report 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.

(C) Before calibration, UUT and reference equipment was placed in the laboratory for at least one hour.

< End of Report >

Calibrated by: CH Cheung
Date: 30 Jul.,2026

Checked by: Joseph Chan
Date: 31 JUL 2026

FT Laboratories Ltd
科達測檢試驗所有限公司

Calibration Report

Calibration No.	:	60408001-K07G1501
Laboratory	:	FT LaboratoriesLtd.
Address	:	Lot No. DD77 Section 1552 S.Ass 1RP, Ng Chow South Road, Ping Che, Fanling, New Territories
Telephone	:	(852) 2758 4861
Facsimile	:	(852) 2758 8962
Customer	:	**Lam Environmental Services Limited**
Address	:	**Unit No. 03, 29/F, New Treasure Centre, 10 Ng Fong Street, San Po Kong, Kowloon**
Item Calibrated	:	Name/Description: Turbidimeter
		Manufacturer: Shanghai Xinrui Instruments & Meters co.,Ltd
		Model no: WGZ-3B
		Equipment no.: 2209074
Reference Standard / Major Measurement Equipment	:	C23/01 under NCRM reference material number GBW(E) 120125. Standard Solution of Formazine Turbidity
Calibration Method	:	In-house calibration method according to Ref: APHA22nd ed 213 OB
Date of item received	:	07 Oct.,2026
Date of Calibration	:	09 Oct.,2026
Location of Calibration	:	Chemical Laboratory of FT LaboratoriesLtd.
Calibration Conditions		
Temperature	:	20 ± 3 °C
Relative Humidity	:	30% to 80%
Test Results	:	The test results are detailed in the subsequent page(s).

Certified by : ☑ CHAN Joseph Nicolas (Assistant Technical Manager)

Date of Issue: 12 OCT 2026

Notes:
(1) The above equipment has been calibrated against standards which are traceable to internationally recognized standards.
(2) This certificate shall not be reproduced, except in full, without the written approval of FT LaboratoriesLtd.

Calibration Report

Calibration No. : 60408001-K07G1501

Results

Turbidity of standard solution used (NTU)	Measured value (NTU)	Error (%)
0	0	---
4	4.00	0.00%
10	10.00	0.00%
40	40.00	0.00%
100	99.9	-0.10%
400	398.0	-0.50%
1000	998.0	-0.20%

Remarks:

(A) Each reported result is the mean of three measurements on UUT (unit-under-test).

(B) The values given in this Calibration Report 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.

(C) Before calibration, UUT and reference equipment was placed in the laboratory for at least one hour.

< End of Report >

Calibrated by: CH Cheung
Date: 09 Oct.,2026

Checked by: Joseph Chan
Date: 12 OCT 2026

Appendix 4.3

Wind data extracted from HKO Automatic Weather Station

Tate's Cairn - HKO Automatic Weather Station

Date	Time	Wind Speed (km/h)	Prevailing Wind Direction (degrees)
5/10/2026	0:00	18	-
5/10/2026	1:00	28	-
5/10/2026	2:00	28	-
5/10/2026	3:00	28	-
5/10/2026	4:00	23	-
5/10/2026	5:00	19	-
5/10/2026	6:00	28	-
5/10/2026	7:00	30	-
5/10/2026	8:00	28	-
5/10/2026	9:00	27	-
5/10/2026	10:00	0	-
5/10/2026	11:00	0	-
5/10/2026	12:00	0	-
5/10/2026	13:00	0	-
5/10/2026	14:00	0	-
5/10/2026	15:00	26	-
5/10/2026	16:00	28	-
5/10/2026	17:00	38	-
5/10/2026	18:00	44	-
5/10/2026	19:00	48	-
5/10/2026	20:00	42	-
5/10/2026	21:00	38	-
5/10/2026	22:00	38	-
5/10/2026	23:00	37	-
10/10/2026	0:00	16	105
10/10/2026	1:00	12	90
10/10/2026	2:00	19	89
10/10/2026	3:00	19	84
10/10/2026	4:00	19	84
10/10/2026	5:00	18	74
10/10/2026	6:00	19	84
10/10/2026	7:00	22	86
10/10/2026	8:00	18	75
10/10/2026	9:00	15	76
10/10/2026	10:00	14	56
10/10/2026	11:00	11	73
10/10/2026	12:00	10	81
10/10/2026	13:00	10	105
10/10/2026	14:00	10	100
10/10/2026	15:00	15	108
10/10/2026	16:00	17	102
10/10/2026	17:00	18	111
10/10/2026	18:00	19	110
10/10/2026	19:00	20	107
10/10/2026	20:00	19	106
10/10/2026	21:00	18	105
10/10/2026	22:00	21	103
10/10/2026	23:00	20	95

Tseung Kwan O - HKO Automatic Weather Station

Date	Time	Wind Speed (km/h)	Prevailing Wind Direction (degrees)
5/10/2026	0:00	3	-
5/10/2026	1:00	5	85
5/10/2026	2:00	3	217
5/10/2026	3:00	5	56
5/10/2026	4:00	3	332
5/10/2026	5:00	6	77
5/10/2026	6:00	5	87
5/10/2026	7:00	10	349
5/10/2026	8:00	6	57
5/10/2026	9:00	9	59
5/10/2026	10:00	8	88
5/10/2026	11:00	11	7
5/10/2026	12:00	9	351
5/10/2026	13:00	6	22
5/10/2026	14:00	17	68
5/10/2026	15:00	12	55
5/10/2026	16:00	10	35
5/10/2026	17:00	14	89
5/10/2026	18:00	9	77
5/10/2026	19:00	15	81
5/10/2026	20:00	7	359
5/10/2026	21:00	8	10
5/10/2026	22:00	5	55
5/10/2026	23:00	4	-
10/10/2026	0:00	1	10
10/10/2026	1:00	1	28
10/10/2026	2:00	1	289
10/10/2026	3:00	1	243
10/10/2026	4:00	4	8
10/10/2026	5:00	1	87
10/10/2026	6:00	8	40
10/10/2026	7:00	6	31
10/10/2026	8:00	12	47
10/10/2026	9:00	10	18
10/10/2026	10:00	11	75
10/10/2026	11:00	12	85
10/10/2026	12:00	6	56
10/10/2026	13:00	8	55
10/10/2026	14:00	8	37
10/10/2026	15:00	7	154
10/10/2026	16:00	6	63
10/10/2026	17:00	5	182
10/10/2026	18:00	5	155
10/10/2026	19:00	1	-
10/10/2026	20:00	3	159
10/10/2026	21:00	4	37
10/10/2026	22:00	5	32
10/10/2026	23:00	1	286

Tate's Cairn - HKO Automatic Weather Station

Date	Time	Wind Speed (km/h)	Prevailing Wind Direction (degrees)
16/10/2026	0:00	28	111
16/10/2026	1:00	30	106
16/10/2026	2:00	28	109
16/10/2026	3:00	35	105
16/10/2026	4:00	32	106
16/10/2026	5:00	30	106
16/10/2026	6:00	32	107
16/10/2026	7:00	19	93
16/10/2026	8:00	22	98
16/10/2026	9:00	21	87
16/10/2026	10:00	24	105
16/10/2026	11:00	30	106
16/10/2026	12:00	26	105
16/10/2026	13:00	24	106
16/10/2026	14:00	24	107
16/10/2026	15:00	27	106
16/10/2026	16:00	27	108
16/10/2026	17:00	30	107
16/10/2026	18:00	26	105
16/10/2026	19:00	27	105
16/10/2026	20:00	26	104
16/10/2026	21:00	23	103
16/10/2026	22:00	19	97
16/10/2026	23:00	26	105
22/10/2026	0:00	12	21
22/10/2026	1:00	14	2
22/10/2026	2:00	16	4
22/10/2026	3:00	18	352
22/10/2026	4:00	12	357
22/10/2026	5:00	15	4
22/10/2026	6:00	15	10
22/10/2026	7:00	14	2
22/10/2026	8:00	17	354
22/10/2026	9:00	19	356
22/10/2026	10:00	20	350
22/10/2026	11:00	12	338
22/10/2026	12:00	15	344
22/10/2026	13:00	12	345
22/10/2026	14:00	15	2
22/10/2026	15:00	14	330
22/10/2026	16:00	12	342
22/10/2026	17:00	12	335
22/10/2026	18:00	21	346
22/10/2026	19:00	19	6
22/10/2026	20:00	21	341
22/10/2026	21:00	34	345
22/10/2026	22:00	36	341
22/10/2026	23:00	38	344

Tseung Kwan O - HKO Automatic Weather Station

Date	Time	Wind Speed (km/h)	Prevailing Wind Direction (degrees)
16/10/2026	0:00	6	140
16/10/2026	1:00	6	164
16/10/2026	2:00	6	163
16/10/2026	3:00	4	160
16/10/2026	4:00	5	160
16/10/2026	5:00	5	-
16/10/2026	6:00	3	152
16/10/2026	7:00	8	31
16/10/2026	8:00	4	60
16/10/2026	9:00	9	32
16/10/2026	10:00	10	54
16/10/2026	11:00	8	133
16/10/2026	12:00	12	82
16/10/2026	13:00	10	76
16/10/2026	14:00	9	76
16/10/2026	15:00	12	88
16/10/2026	16:00	12	70
16/10/2026	17:00	6	24
16/10/2026	18:00	3	116
16/10/2026	19:00	4	139
16/10/2026	20:00	3	160
16/10/2026	21:00	5	9
16/10/2026	22:00	4	91
16/10/2026	23:00	5	151
22/10/2026	0:00	6	48
22/10/2026	1:00	5	333
22/10/2026	2:00	3	47
22/10/2026	3:00	4	83
22/10/2026	4:00	8	92
22/10/2026	5:00	4	51
22/10/2026	6:00	9	77
22/10/2026	7:00	14	79
22/10/2026	8:00	12	83
22/10/2026	9:00	14	76
22/10/2026	10:00	12	65
22/10/2026	11:00	12	87
22/10/2026	12:00	12	71
22/10/2026	13:00	6	331
22/10/2026	14:00	11	79
22/10/2026	15:00	9	205
22/10/2026	16:00	9	205
22/10/2026	17:00	5	229
22/10/2026	18:00	12	73
22/10/2026	19:00	6	345
22/10/2026	20:00	3	230
22/10/2026	21:00	10	358
22/10/2026	22:00	5	204
22/10/2026	23:00	8	353

Tate's Cairn - HKO Automatic Weather Station

Date	Time	Wind Speed (km/h)	Prevailing Wind Direction (degrees)
28/10/2026	0:00	30	100
28/10/2026	1:00	39	105
28/10/2026	2:00	27	84
28/10/2026	3:00	36	85
28/10/2026	4:00	39	85
28/10/2026	5:00	42	104
28/10/2026	6:00	40	96
28/10/2026	7:00	42	94
28/10/2026	8:00	50	105
28/10/2026	9:00	42	91
28/10/2026	10:00	35	102
28/10/2026	11:00	32	83
28/10/2026	12:00	28	93
28/10/2026	13:00	33	107
28/10/2026	14:00	25	109
28/10/2026	15:00	21	106
28/10/2026	16:00	26	111
28/10/2026	17:00	25	104
28/10/2026	18:00	30	105
28/10/2026	19:00	34	105
28/10/2026	20:00	35	103
28/10/2026	21:00	30	105
28/10/2026	22:00	36	103
28/10/2026	23:00	35	105

Tseung Kwan O - HKO Automatic Weather Station

Date	Time	Wind Speed (km/h)	Prevailing Wind Direction (degrees)
28/10/2026	0:00	6	-
28/10/2026	1:00	6	-
28/10/2026	2:00	6	-
28/10/2026	3:00	11	44
28/10/2026	4:00	11	60
28/10/2026	5:00	9	-
28/10/2026	6:00	10	30
28/10/2026	7:00	10	-
28/10/2026	8:00	12	54
28/10/2026	9:00	16	30
28/10/2026	10:00	11	-
28/10/2026	11:00	10	63
28/10/2026	12:00	18	22
28/10/2026	13:00	12	61
28/10/2026	14:00	10	80
28/10/2026	15:00	9	82
28/10/2026	16:00	4	-
28/10/2026	17:00	7	73
28/10/2026	18:00	5	123
28/10/2026	19:00	4	160
28/10/2026	20:00	5	147
28/10/2026	21:00	6	152
28/10/2026	22:00	7	135
28/10/2026	23:00	6	139

* 'Wind direction data on 5/10/2026 is not available for Tate's Cairn - HKO Automatic Weather Station

Appendix 5.1

Monitoring Schedules for Reporting Month

Lam Environmental Services Limited

SERVICE CONTRACT NO. EDO/03/2025
ENVIRONMENTAL TEAM FOR DEVELOPMENT OF
ANDERSON ROAD QUARRY SITE - ROAD IMPROVEMENT WORKS
Impact Water Quality, Air Quality and Noise Monitoring Schedule
October 2026

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				1-Oct	2-Oct WQM NM	3-Oct
4-Oct	5-Oct WQM AQM	6-Oct	7-Oct WQM NM	8-Oct	9-Oct WQM	10-Oct AQM
11-Oct	12-Oct WQM	13-Oct	14-Oct WQM	15-Oct	16-Oct WQM AQM NM	17-Oct
18-Oct	19-Oct	20-Oct WQM	21-Oct	22-Oct WQM AQM NM	23-Oct	24-Oct WQM
25-Oct	26-Oct WQM	27-Oct	28-Oct WQM AQM	29-Oct	30-Oct WQM NM	31-Oct

Remark:

1. WQM: Water Quality Monitoring
   AQM: Air Quality Monitoring
   NM: Noise monitoring is scheduled at the beginning of each week, actual monitoring will be subject to site and weather condition

2. Monitoring Location:

Inland Water	Station	Description
Channelized nullah across the project site	E/ AC1	Upstream Control Station
	F	Downstream Impact Station
Ma Yau Tong Stream	H	Upstream Control Station
	I	Downstream Impact Station

3. The interval between 2 sets of monitoring should not be less than 36 hours

Lam Environmental Services Limited

SERVICE CONTRACT NO. EDO/03/2025
ENVIRONMENTAL TEAM FOR DEVELOPMENT OF
ANDERSON ROAD QUARRY SITE - ROAD IMPROVEMENT WORKS
Tentative Impact Water Quality, Air Quality and Noise Monitoring Schedule
November 2026

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1-Nov	2-Nov WQM NM	3-Nov AQM	4-Nov WQM	5-Nov	6-Nov WQM	7-Nov
8-Nov	9-Nov WQM NM AQM	10-Nov	11-Nov WQM	12-Nov	13-Nov WQM	14-Nov AQM
15-Nov	16-Nov WQM NM	17-Nov	18-Nov WQM	19-Nov	20-Nov WQM AQM	21-Nov
22-Nov	23-Nov WQM NM	24-Nov	25-Nov WQM	26-Nov AQM	27-Nov WQM	28-Nov
29-Nov	30-Nov WQM NM					

Remark:

1. WQM: Water Quality Monitoring
   AQM: Air Quality Monitoring
   NM: Noise monitoring is scheduled at the beginning of each week, actual monitoring will be subject to site and weather condition
2. Monitoring Location:

Inland Water	Station	Description
Channelized nullah across the project site	E/ AC1	Upstream Control Station
	F	Downstream Impact Station
Ma Yau Tong Stream	H	Upstream Control Station
	I	Downstream Impact Station

3. The interval between 2 sets of monitoring should not be less than 36 hours

Lam Environmental Services Limited

SERVICE CONTRACT NO. EDO/03/2025
ENVIRONMENTAL TEAM FOR DEVELOPMENT OF
ANDERSON ROAD QUARRY SITE - ROAD IMPROVEMENT WORKS
Tentative Impact Water Quality, Air Quality and Noise Monitoring Schedule
December 2026

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		1-Dec	2-Dec WQM AQM	3-Dec	4-Dec WQM	5-Dec
6-Dec	7-Dec WQM NM	8-Dec AQM	9-Dec WQM	10-Dec	11-Dec WQM	12-Dec
13-Dec	14-Dec WQM NM AQM	15-Dec	16-Dec WQM	17-Dec	18-Dec WQM	19-Dec AQM
20-Dec	21-Dec WQM NM	22-Dec	23-Dec WQM	24-Dec AQM	25-Dec	26-Dec
27-Dec	28-Dec	29-Dec WQM NM	30-Dec AQM	31-Dec WQM		

Remark:

1. WQM: Water Quality Monitoring
   AQM: Air Quality Monitoring
   NM: Noise monitoring is scheduled at the beginning of each week, actual monitoring will be subject to site and weather condition
2. Monitoring Location:

Inland Water	Station	Description
Channelized nullah across the project site	E/ AC1	Upstream Control Station
	F	Downstream Impact Station
Ma Yau Tong Stream	H	Upstream Control Station
	I	Downstream Impact Station

3. The interval between 2 sets of monitoring should not be less than 36 hours

Lam Environmental Services Limited

SERVICE CONTRACT NO. EDO/03/2025
ENVIRONMENTAL TEAM FOR DEVELOPMENT OF
ANDERSON ROAD QUARRY SITE - ROAD IMPROVEMENT WORKS
Tentative Impact Water Quality, Air Quality and Noise Monitoring Schedule
January 2027

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					1-Jan	2-Jan WQM
3-Jan	4-Jan WQM NM	5-Jan AQM	6-Jan WQM	7-Jan	8-Jan WQM	9-Jan
10-Jan	11-Jan WQM NM AQM	12-Jan	13-Jan WQM	14-Jan	15-Jan WQM	16-Jan AQM
17-Jan	18-Jan WQM NM	19-Jan	20-Jan WQM	21-Jan	22-Jan WQM AQM	23-Jan
24-Jan	25-Jan WQM NM	26-Jan	27-Jan WQM	28-Jan AQM	29-Jan WQM	30-Jan
31-Jan						

Remark:

1. WQM: Water Quality Monitoring
   AQM: Air Quality Monitoring
   NM: Noise monitoring is scheduled at the beginning of each week, actual monitoring will be subject to site and weather condition
2. Monitoring Location:

Inland Water	Station	Description
Channelized nullah across the project site	E/ AC1	Upstream Control Station
	F	Downstream Impact Station
Ma Yau Tong Stream	H	Upstream Control Station
	I	Downstream Impact Station

3. The interval between 2 sets of monitoring should not be less than 36 hours

Appendix 5.2

Noise Monitoring Results and Graphical Presentations

Noise Monitoring Result

Day Time (0700 - 1900hrs on normal weekdays)

Location: NMC-01 - G/F, Kei Shun Special School

Date	Weather	Time	Measurement Noise Level			Average Noise Level	Baseline Level	Construction Noise Level	Limit Level
			Leq	L10	L90	Leq	Leq	Leq	Leq
			Unit: dB(A), (5-min)			Unit: dB(A), (30-min)			
2 Oct 2026	Fine	15:25	68.9	72.1	62.8	68.9	69.3	<Baseline Level	70
		15:30	68.4	71.9	63.1				
		15:35	69.1	72.1	62.9				
		15:40	69.2	72.2	63.0				
		15:45	68.9	72.0	62.8				
		15:50	69.0	71.7	63.2				
7 Oct 2026	Fine	15:10	65.2	66.8	61.2	65.5	69.3	<Baseline Level	70
		15:15	65.8	67.2	62.0				
		15:20	66.4	67.2	61.8				
		15:25	65.2	66.4	61.1				
		15:30	64.8	66.8	61.3				
		15:35	65.2	66.8	61.5				
16 Oct 2026	Fine	14:20	64.5	66.2	62.1	64.7	69.3	<Baseline Level	70
		14:25	64.1	66.0	62.2				
		14:30	64.8	66.5	62.5				
		14:35	65.2	66.8	62.0				
		14:40	64.9	66.9	62.3				
		14:45	64.8	67.1	62.4				
22 Oct 2026	Fine	15:00	65.1	65.9	63.7	65.2	69.3	<Baseline Level	70
		15:05	65.5	66.5	64.2				
		15:10	64.9	65.7	63.4				
		15:15	65.0	65.9	63.6				
		15:20	65.3	66.0	63.3				
		15:25	65.1	80.5	65.1				
30 Oct 2026	Fine	14:35	64.2	65.0	63.4	64.5	69.3	<Baseline Level	70
		14:40	64.3	65.3	63.4				
		14:45	64.2	64.8	63.6				
		14:50	64.9	65.5	64.1				
		14:55	65.0	66.3	63.7				
		15:00	64.6	65.6	63.7				

Noise Monitoring Result

Day Time (0700 - 1900hrs on normal weekdays)

Location: NMC-02 - 3/F podium, Shun Lee Disciplined Services Quarters Block 6

Date	Weather	Time	Measurement Noise Level			Average Noise Level	Baseline Level	Construction Noise Level	Limit Level
			Leq	L10	L90	Leq	Leq	Leq	Leq
			Unit: dB(A), (5-min)			Unit: dB(A), (30-min)			
2 Oct 2026	Fine	14:30	72.0	74.6	67.6	70.7	72.0	<Baseline Level	75
		14:35	71.2	73.9	66.8				
		14:40	69.8	72.3	65.8				
		14:45	69.2	71.5	64.8				
		14:50	70.8	72.9	65.9				
		14:55	70.6	72.9	66.5				
7 Oct 2026	Fine	13:50	71.2	73.5	62.8	71.3	72.0	<Baseline Level	75
		13:55	71.5	73.0	62.1				
		14:00	71.3	73.1	62.5				
		14:05	71.2	73.8	62.4				
		14:10	71.5	72.9	62.8				
		14:15	71.2	80.5	65.1				
16 Oct 2026	Fine	13:45	71.3	83.9	63.3	71.1	72.0	<Baseline Level	75
		13:50	71.3	88.2	60.4				
		13:55	72.4	80.7	60.8				
		14:00	70.2	76.8	62.4				
		14:05	70.4	81.2	62.0				
		14:10	70.5	79.1	62.8				
22 Oct 2026	Fine	13:50	71.5	73.3	62.8	71.1	72.0	<Baseline Level	75
		13:55	70.9	72.8	62.4				
		14:00	71.2	73.0	62.6				
		14:05	71.0	72.8	63.5				
		14:10	70.8	72.6	62.9				
		14:15	71.3	73.3	62.7				
30 Oct 2026	Fine	13:55	70.8	72.6	62.6	70.8	72.0	<Baseline Level	75
		14:00	71.0	72.7	62.4				
		14:05	70.9	73.0	62.2				
		14:10	70.5	72.8	62.3				
		14:15	70.8	73.1	62.4				
		14:20	70.8	72.8	62.8				

Noise Monitoring Result

Day Time (0700 - 1900hrs on normal weekdays)

Location: NMC-03 - G/F, Sienna Garden Block 6

Date	Weather	Time	Measurement Noise Level			Average Noise Level	Baseline Level	Construction Noise Level	Limit Level
			Leq	L10	L90	Leq	Leq	Leq	Leq
			Unit: dB(A), (5-min)			Unit: dB(A), (30-min)			
2 Oct 2026	Fine	13:45	74.8	79.0	63.2	75.2	78.2	<Baseline Level	75
		13:50	75.2	80.2	62.8				
		13:55	75.9	79.5	62.5				
		14:00	74.8	81.2	62.8				
		14:05	74.6	80.9	62.4				
		14:10	75.6	79.9	62.6				
7 Oct 2026	Fine	13:00	76.4	80.3	65.6	78.1	78.2	<Baseline Level	75
		13:05	78.8	81.9	65.5				
		13:10	78.8	80.9	66.3				
		13:15	78.3	81.3	68.2				
		13:20	79.3	82.6	66.0				
		13:25	76.4	80.5	65.1				
16 Oct 2026	Fine	13:00	79.3	82.9	68.7	78.9	78.2	70.8	75
		13:05	78.2	81.2	67.7				
		13:10	79.2	81.6	66.2				
		13:15	78.1	80.8	67.3				
		13:20	79.8	83.4	70.0				
		13:25	78.7	82.0	70.4				
22 Oct 2026	Fine	13:05	75.8	78.5	63.2	75.9	78.2	<Baseline Level	75
		13:10	76.2	77.9	62.8				
		13:15	76.8	78.2	62.4				
		13:20	75.9	77.9	63.8				
		13:25	74.8	78.2	62.1				
		13:30	75.6	79.5	62.9				
30 Oct 2026	Fine	13:05	75.1	79.8	63.1	75.0	78.2	<Baseline Level	75
		13:10	75.8	78.8	62.9				
		13:15	74.8	78.9	62.5				
		13:20	74.5	79.5	62.8				
		13:25	74.6	78.2	63.0				
		13:30	75.1	78.0	62.8				

Noise Monitoring Result

Day Time (0700 - 1900hrs on normal weekdays)

Location: NMC-04 - 3/F Podium, Po Tat Estate Tat Kai House

Date	Weather	Time	Measurement Noise Level			Average Noise Level	Baseline Level	Construction Noise Level	Limit Level
			Leq	L10	L90	Leq	Leq	Leq	Leq
			Unit: dB(A), (5-min)			Unit: dB(A), (30-min)			
2 Oct 2026	Fine	13:00	69.8	70.9	62.9	69.4	66.6	66	75
		13:05	69.2	71.2	63.2				
		13:10	69.6	71.0	62.8				
		13:15	69.7	71.0	62.4				
		13:20	68.9	70.8	62.8				
		13:25	69.1	70.9	62.6				
7 Oct 2026	Fine	11:00	69.2	71.2	62.8	68.5	66.6	64	75
		11:05	68.4	70.5	63.1				
		11:10	68.5	70.8	63.0				
		11:15	68.7	71.0	62.9				
		11:20	67.9	71.1	63.2				
		11:25	68.1	70.9	63.1				
16 Oct 2026	Fine	11:00	68.1	70.2	62.9	68.0	66.6	62	75
		11:05	67.8	70.5	63.1				
		11:10	67.9	70.6	63.2				
		11:15	68.0	70.8	63.0				
		11:20	68.1	71.1	63.2				
		11:25	67.9	70.8	63.1				
22 Oct 2026	Fine	11:05	68.3	70.8	64.0	68.8	66.6	65	75
		11:10	68.9	71.2	63.7				
		11:15	69.0	71.5	64.9				
		11:20	68.5	70.9	64.5				
		11:25	69.4	72.6	64.1				
		11:30	68.3	70.5	65.1				
30 Oct 2026	Fine	11:15	69.3	71.8	64.0	69.3	66.6	66	75
		11:20	70.5	73.6	63.5				
		11:25	69.8	73.1	64.4				
		11:30	68.4	71.5	62.9				
		11:35	69.7	72.8	64.2				
		11:40	67.6	70.4	63.9				

Noise Monitoring Result

Day Time (0700 - 1900hrs on normal weekdays)

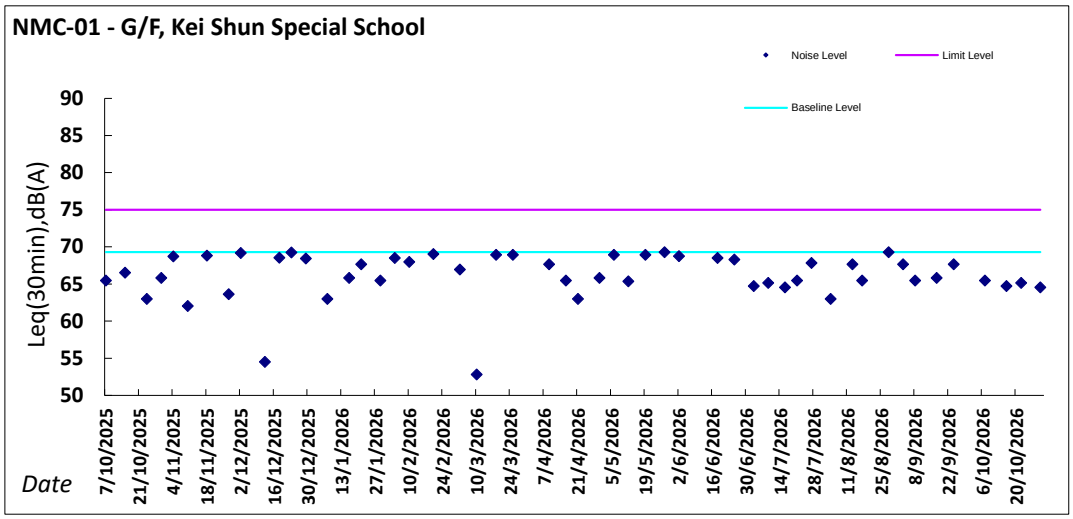
Location: NMC-05 - G/F, Hong Wah Court Block B Yee Hong House

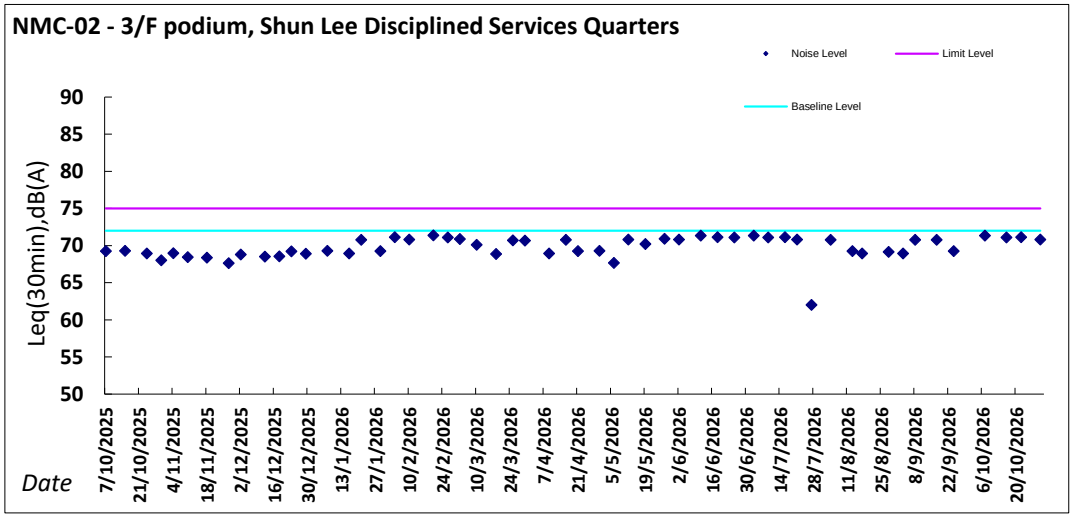
Date	Weather	Time	Measurement Noise Level			Average Noise Level	Baseline Level	Construction Noise Level	Limit Level
			Leq	L10	L90	Leq	Leq	Leq	Leq
			Unit: dB(A), (5-min)			Unit: dB(A), (30-min)			
2 Oct 2026	Fine	9:20	73.7	76.5	6.0	72.7	61.8	72.3	75
		9:25	72.3	75.5	65.1				
		9:30	70.7	71.9	64.1				
		9:35	72.9	76.3	66.6				
		9:40	74.0	77.4	66.6				
		9:45	71.5	74.9	64.8				
7 Oct 2026	Fine	9:20	72.6	75.8	67.9	71.2	61.8	70.7	75
		9:25	71.6	74.7	67.7				
		9:30	70.5	73.4	66.1				
		9:35	70.9	74.2	65.3				
		9:40	70.1	73.5	64.9				
		9:45	72.4	76.4	64.8				
16 Oct 2026	Fine	9:30	66.9	68.7	64.7	67.6	61.8	66.3	75
		9:35	68.3	67.7	63.6				
		9:40	68.8	69.1	64.3				
		9:45	65.8	67.8	63.8				
		9:50	66.2	67.3	64.3				
		9:55	68.6	70.6	64.7				
22 Oct 2026	Fine	9:35	71.1	74.3	66.1	70.4	61.8	69.8	75
		9:40	71.0	74.2	65.5				
		9:45	70.1	73.6	65.8				
		9:50	69.8	73.1	65.1				
		9:55	70.2	73.3	65.9				
		10:00	70.3	72.9	66.6				
30 Oct 2026	Fine	9:25	69.5	72.0	66.0	68.8	61.8	67.8	75
		9:30	67.8	69.9	65.5				
		9:35	70.3	70.4	66.0				
		9:40	69.6	69.9	65.2				
		9:45	67.4	69.1	65.3				
		9:50	67.0	69.3	66.1				

Remarks:
Underline denotes exceedance over Limit Level.

Graphic Presentation of Noise Monitoring Result

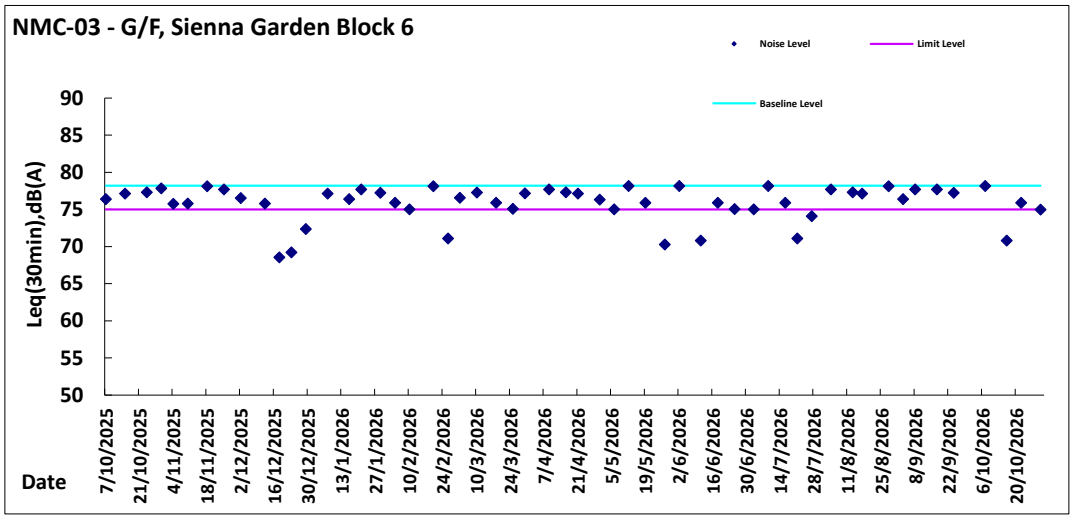
Day Time (0700 - 1900hrs on normal weekdays)

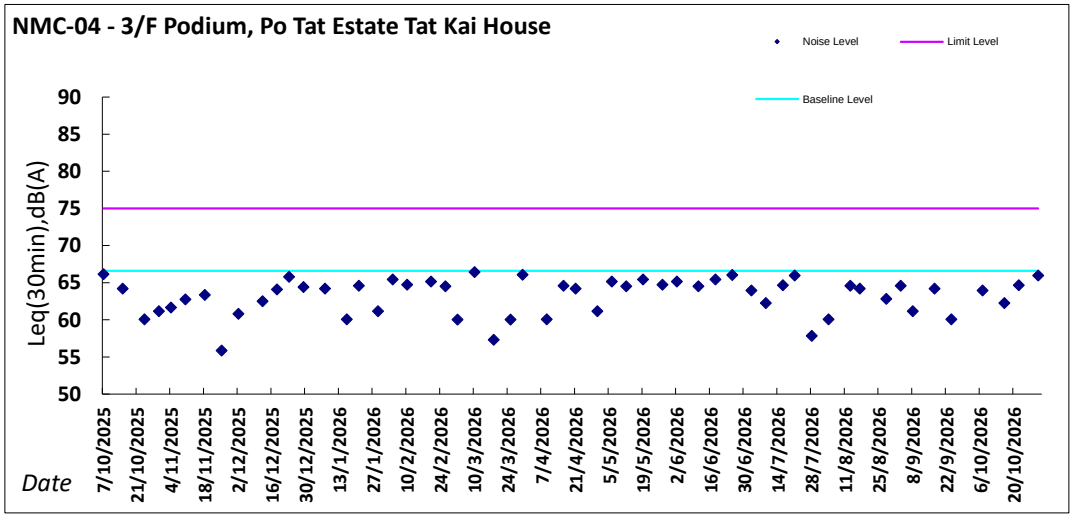




Graphic Presentation of Noise Monitoring Result

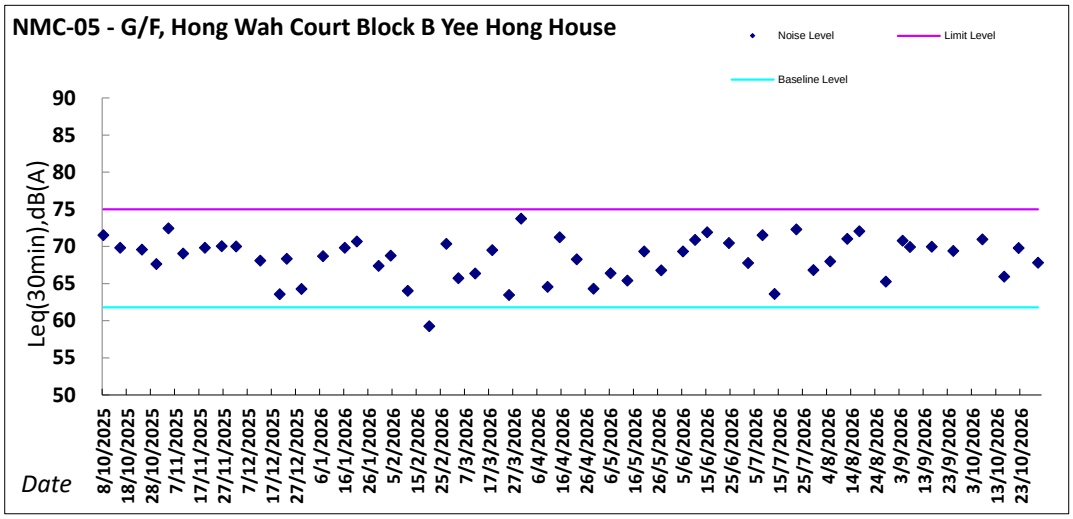
Day Time (0700 - 1900hrs on normal weekdays)





Graphic Presentation of Noise Monitoring Result

Day Time (0700 - 1900hrs on normal weekdays)



Appendix 5.3

Air Quality Monitoring Results and Graphical Presentations

Report on 1-hour TSP monitoring at NCWBR_AMS-1 - Shun Lee Fire Station

Action Level (μg/m3) - 284.4
Limit Level (μg/m3) - 500.0

Date	Weather Condition	Time	Mass Concentration (μg/m3)
5-Oct-26	Fine	8:05	40.7
5-Oct-26	Fine	9:06	46.3
5-Oct-26	Fine	10:07	42.1
10-Oct-26	Fine	8:19	42.6
10-Oct-26	Fine	9:20	34.7
10-Oct-26	Fine	10:21	30.4
16-Oct-26	Fine	8:34	42.9
16-Oct-26	Fine	9:35	46.3
16-Oct-26	Fine	10:36	66.2
22-Oct-26	Fine	8:33	49.8
22-Oct-26	Fine	9:34	51.2
22-Oct-26	Fine	10:35	46.9
28-Oct-26	Fine	8:06	29.8
28-Oct-26	Fine	9:07	24.0
28-Oct-26	Fine	10:08	20.1

Remarks:
Single underline denotes exceedance over Action Level.
Double underline denotes exceedance over Limit Level.

Report on 1-hour TSP monitoring at NCWBR_AMS-2 - Shun Lee Estate Lee Hang House

Action Level (μg/m3) - 282.4
Limit Level (μg/m3) - 500.0

Date	Weather Condition	Time	Mass Concentration (μg/m3)
5-Oct-26	Fine	8:08	12.8
5-Oct-26	Fine	9:09	19.0
5-Oct-26	Fine	10:10	17.9
10-Oct-26	Fine	8:18	170.6
10-Oct-26	Fine	9:19	45.9
10-Oct-26	Fine	10:20	26.9
16-Oct-26	Fine	8:15	200.9
16-Oct-26	Fine	9:16	217.3
16-Oct-26	Fine	10:17	273.5
22-Oct-26	Fine	8:06	56.5
22-Oct-26	Fine	9:07	41.1
22-Oct-26	Fine	10:08	43.8
28-Oct-26	Fine	8:00	86.2
28-Oct-26	Fine	9:01	64.1
28-Oct-26	Fine	10:02	40.3

Remarks:
Single underline denotes exceedance over Action Level.
Double underline denotes exceedance over Limit Level.

Report on 1-hour TSP monitoring at NCWBR_AMS-3 - Shun Lee Disciplined Services Quarters (Block 6)

Action Level (μg/m3) - 287.9
Limit Level (μg/m3) - 500.0

Date	Weather Condition	Time	Mass Concentration (μg/m3)
5-Oct-26	Fine	8:17	37.3
5-Oct-26	Fine	9:18	58.5
5-Oct-26	Fine	10:19	50.8
10-Oct-26	Fine	8:25	88.3
10-Oct-26	Fine	9:26	75.1
10-Oct-26	Fine	10:27	67.5
16-Oct-26	Fine	8:33	140.9
16-Oct-26	Fine	9:34	143.4
16-Oct-26	Fine	10:35	158.8
22-Oct-26	Fine	8:24	55.4
22-Oct-26	Fine	9:25	51.0
22-Oct-26	Fine	10:26	45.0
28-Oct-26	Fine	8:18	42.8
28-Oct-26	Fine	9:19	33.1
28-Oct-26	Fine	10:20	37.0

Remarks:
Single underline denotes exceedance over Action Level.
Double underline denotes exceedance over Limit Level.

Report on 1-hour TSP monitoring at NCWBR_AMS-4 - Sienna Garden

Action Level (μg/m3) - 281.6
Limit Level (μg/m3) - 500.0

Date	Weather Condition	Time	Mass Concentration (μg/m3)
5-Oct-26	Fine	8:14	26.4
5-Oct-26	Fine	9:15	28.3
5-Oct-26	Fine	10:16	49.1
10-Oct-26	Fine	8:32	77.5
10-Oct-26	Fine	9:33	74.5
10-Oct-26	Fine	10:34	52.9
16-Oct-26	Fine	8:20	40.3
16-Oct-26	Fine	9:21	52.4
16-Oct-26	Fine	10:22	64.3
22-Oct-26	Fine	8:20	26.4
22-Oct-26	Fine	9:21	31.2
22-Oct-26	Fine	10:22	35.1
28-Oct-26	Fine	8:28	71.9
28-Oct-26	Fine	9:29	43.7
28-Oct-26	Fine	10:30	53.7

Remarks:
Single underline denotes exceedance over Action Level.
Double underline denotes exceedance over Limit Level.

Report on 1-hour TSP monitoring at NCWBR_AMS-5 - Shun Chi Court Shun Fung House

Action Level (μg/m3) - 270.0
Limit Level (μg/m3) - 500.0

Date	Weather Condition	Time	Mass Concentration (μg/m3)
5-Oct-26	Fine	8:33	80.3
5-Oct-26	Fine	9:34	71.2
5-Oct-26	Fine	10:35	63.5
10-Oct-26	Fine	8:37	96.2
10-Oct-26	Fine	9:38	73.9
10-Oct-26	Fine	10:39	79.1
16-Oct-26	Fine	8:45	268.7
16-Oct-26	Fine	9:46	124.3
16-Oct-26	Fine	10:47	129.5
22-Oct-26	Fine	8:37	59.2
22-Oct-26	Fine	9:38	61.4
22-Oct-26	Fine	10:39	63.4
28-Oct-26	Fine	8:31	15.1
28-Oct-26	Fine	9:32	12.1
28-Oct-26	Fine	10:33	15.9

Remarks:
Single underline denotes exceedance over Action Level.
Double underline denotes exceedance over Limit Level.

Report on 1-hour TSP monitoring at LTR_AMS-1 - St Edward's Catholic Primary School

Action Level (μg/m3) - 272.1
Limit Level (μg/m3) - 500.0

Date	Weather Condition	Time	Mass Concentration (μg/m3)
5-Oct-26	Fine	8:40	23.7
5-Oct-26	Fine	9:41	19.7
5-Oct-26	Fine	10:42	20.5
10-Oct-26	Fine	8:53	20.8
10-Oct-26	Fine	9:54	14.7
10-Oct-26	Fine	10:55	15.7
16-Oct-26	Fine	8:38	151.0
16-Oct-26	Fine	9:39	89.5
16-Oct-26	Fine	10:40	90.4
22-Oct-26	Fine	8:41	50.0
22-Oct-26	Fine	9:42	56.7
22-Oct-26	Fine	10:43	54.7
28-Oct-26	Fine	8:52	70.3
28-Oct-26	Fine	9:53	107.6
28-Oct-26	Fine	10:54	118.5

Remarks:
Single underline denotes exceedance over Action Level.
Double underline denotes exceedance over Limit Level.

Report on 1-hour TSP monitoring at LTR_AMS-2 - Environmental Protection Department's Restored Landfill Site Office

Action Level (μg/m3) - 281.1
Limit Level (μg/m3) - 500.0

Date	Weather Condition	Time	Mass Concentration (μg/m3)
5-Oct-26	Fine	8:52	23.7
5-Oct-26	Fine	9:53	25.6
5-Oct-26	Fine	10:54	43.1
10-Oct-26	Fine	8:43	136.5
10-Oct-26	Fine	9:44	111.7
10-Oct-26	Fine	10:45	124.8
16-Oct-26	Fine	8:34	85.4
16-Oct-26	Fine	9:35	72.3
16-Oct-26	Fine	10:36	79.9
22-Oct-26	Fine	8:36	33.3
22-Oct-26	Fine	9:37	27.8
22-Oct-26	Fine	10:38	26.6
28-Oct-26	Fine	8:55	75.8
28-Oct-26	Fine	9:56	48.1
28-Oct-26	Fine	10:57	48.8

Remarks:
Single underline denotes exceedance over Action Level.
Double underline denotes exceedance over Limit Level.

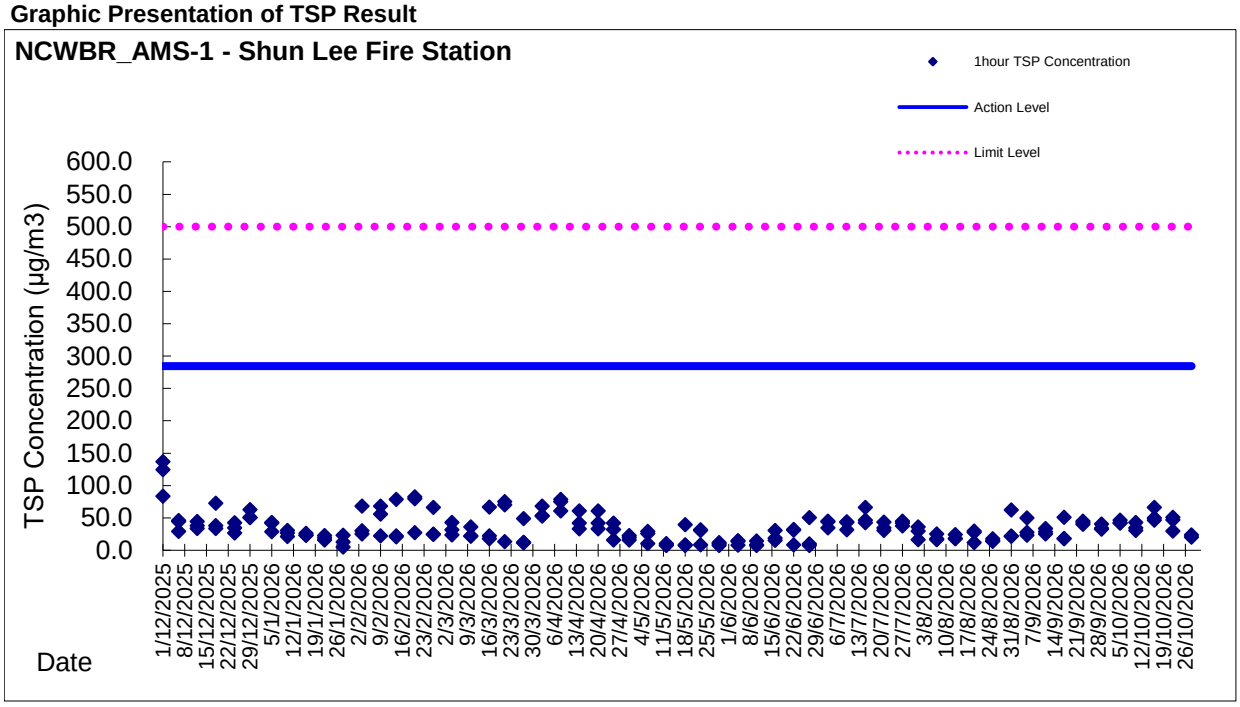
Report on 1-hour TSP monitoring at LTR_AMS-3 - Po Tat Estate Tat Kai House

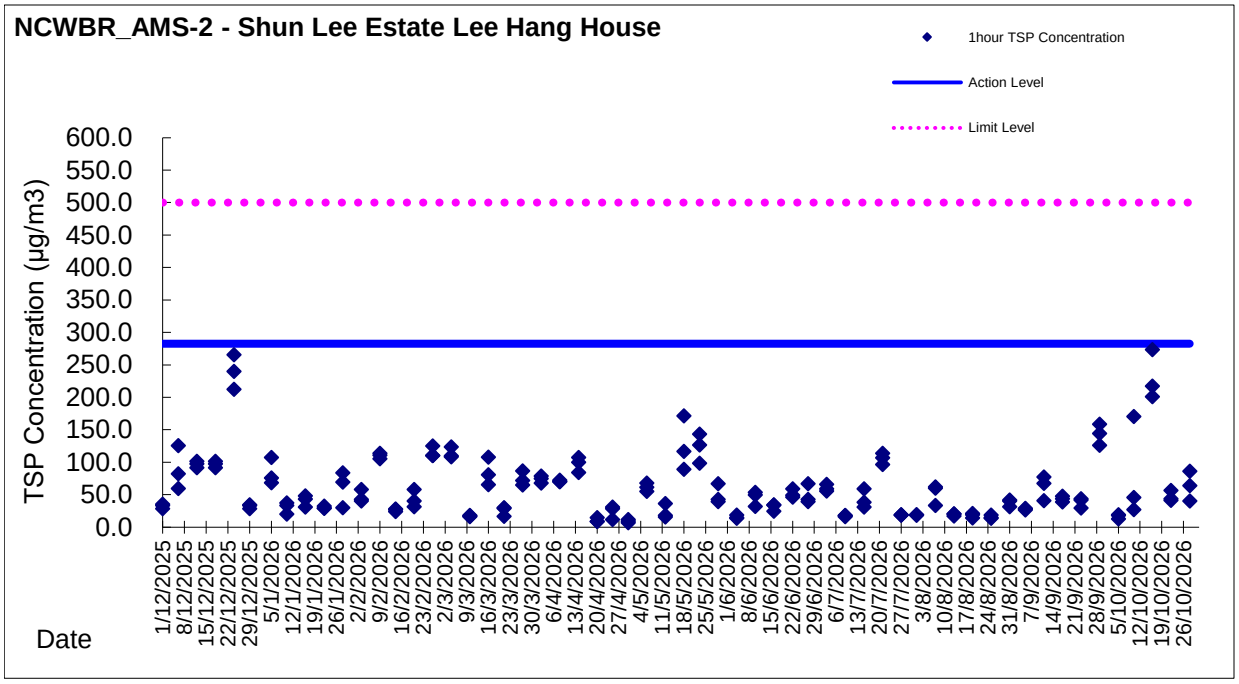
Action Level (μg/m3) - 285.1
Limit Level (μg/m3) - 500.0

Date	Weather Condition	Time	Mass Concentration (μg/m3)
5-Oct-26	Fine	8:41	27.3
5-Oct-26	Fine	9:42	26.4
5-Oct-26	Fine	10:43	27.7
10-Oct-26	Fine	8:50	81.5
10-Oct-26	Fine	9:51	69.5
10-Oct-26	Fine	10:52	52.9
16-Oct-26	Fine	8:52	156.8
16-Oct-26	Fine	9:53	145.3
16-Oct-26	Fine	10:54	113.5
22-Oct-26	Fine	8:37	18.4
22-Oct-26	Fine	9:38	44.3
22-Oct-26	Fine	10:39	42.6
28-Oct-26	Fine	8:53	70.8
28-Oct-26	Fine	9:54	66.4
28-Oct-26	Fine	10:55	67.1

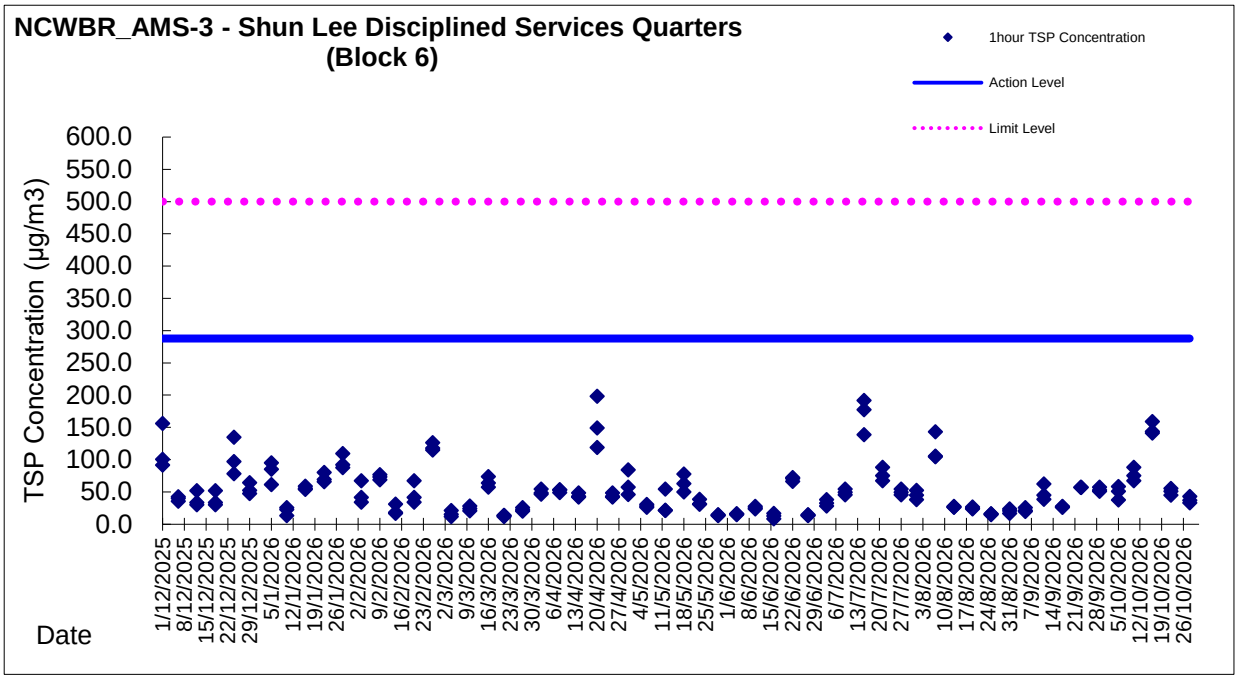
Remarks:
Single underline denotes exceedance over Action Level.
Double underline denotes exceedance over Limit Level.

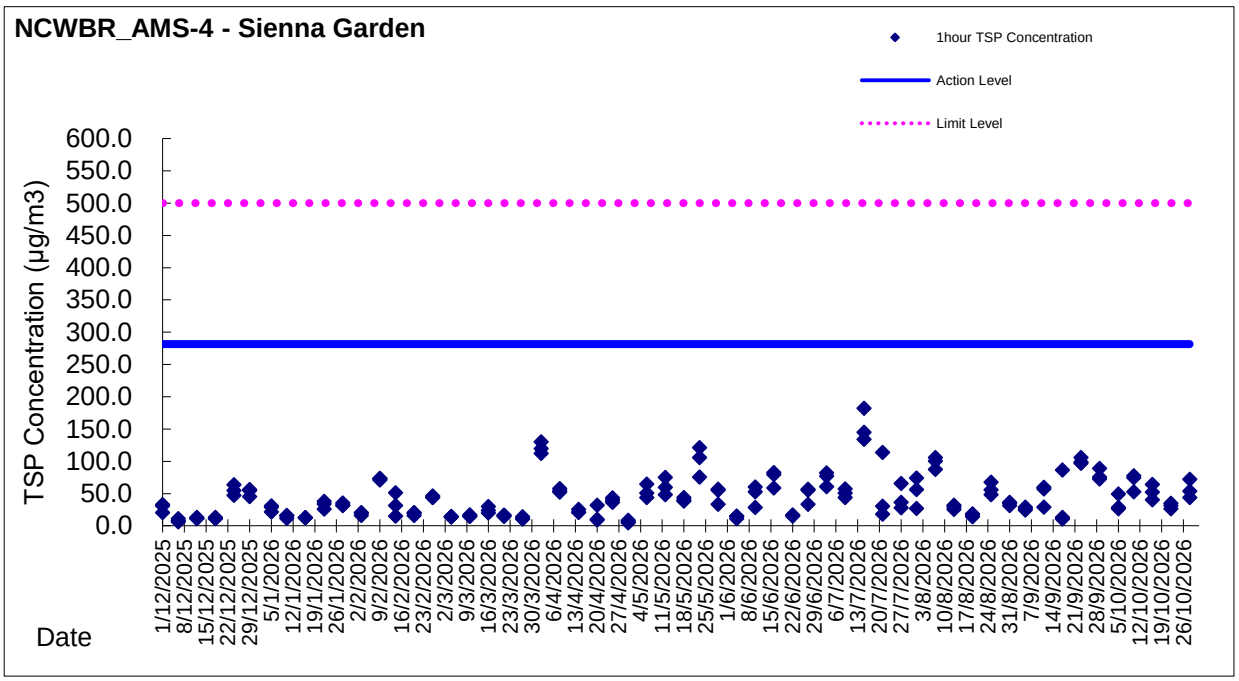
Graphic Presentation of TSP Result



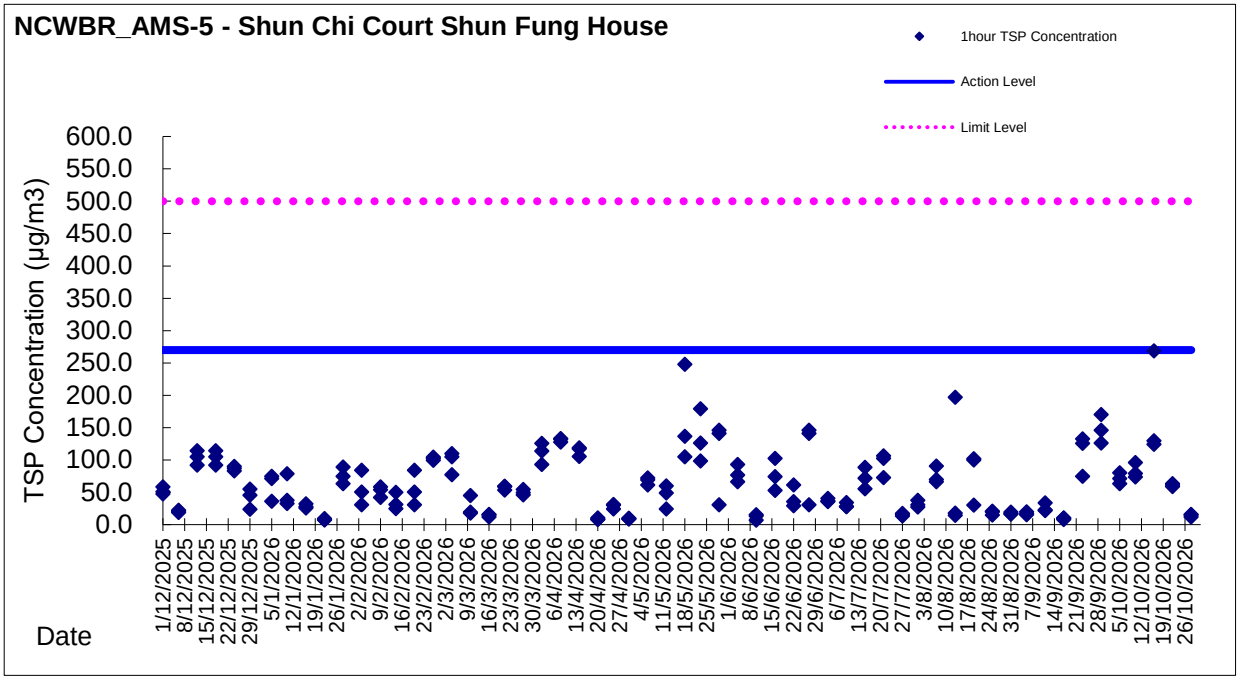


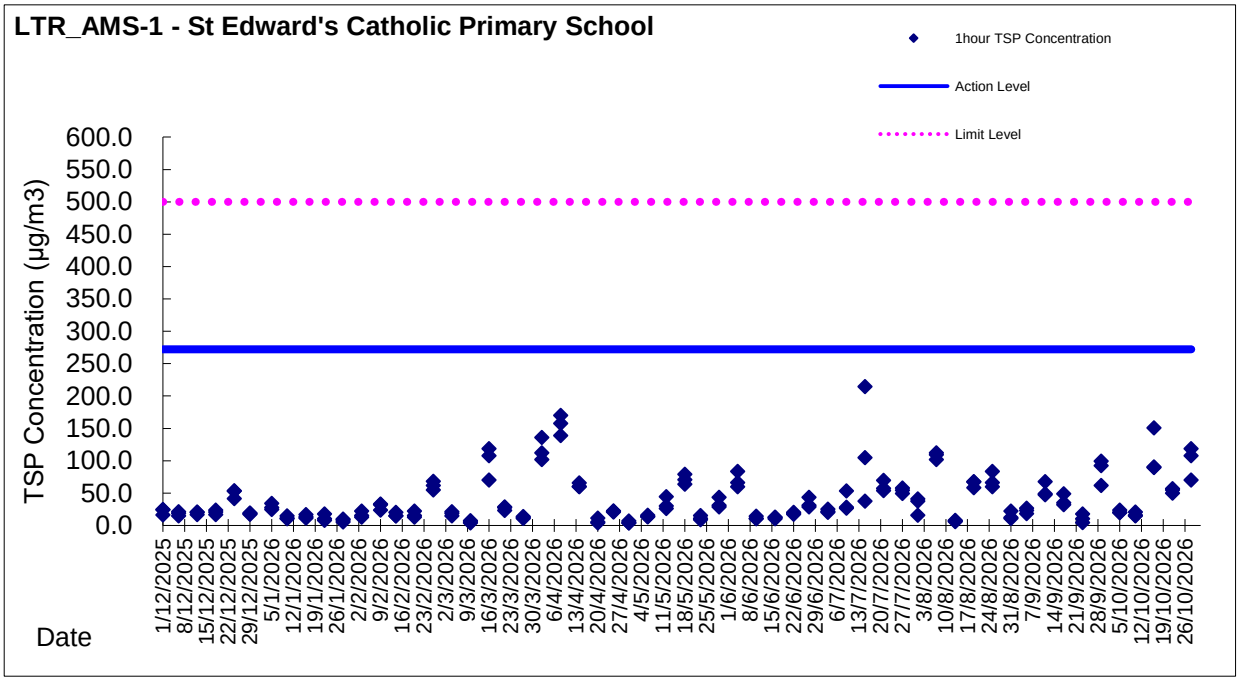
Graphic Presentation of TSP Result



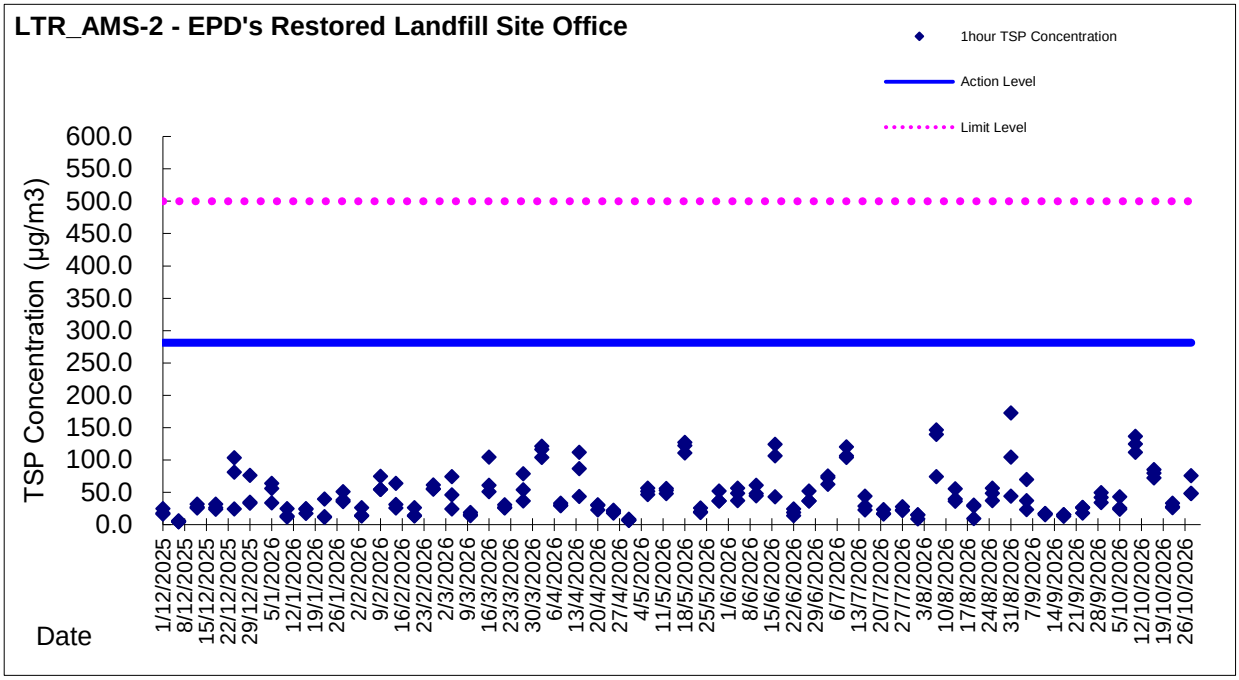


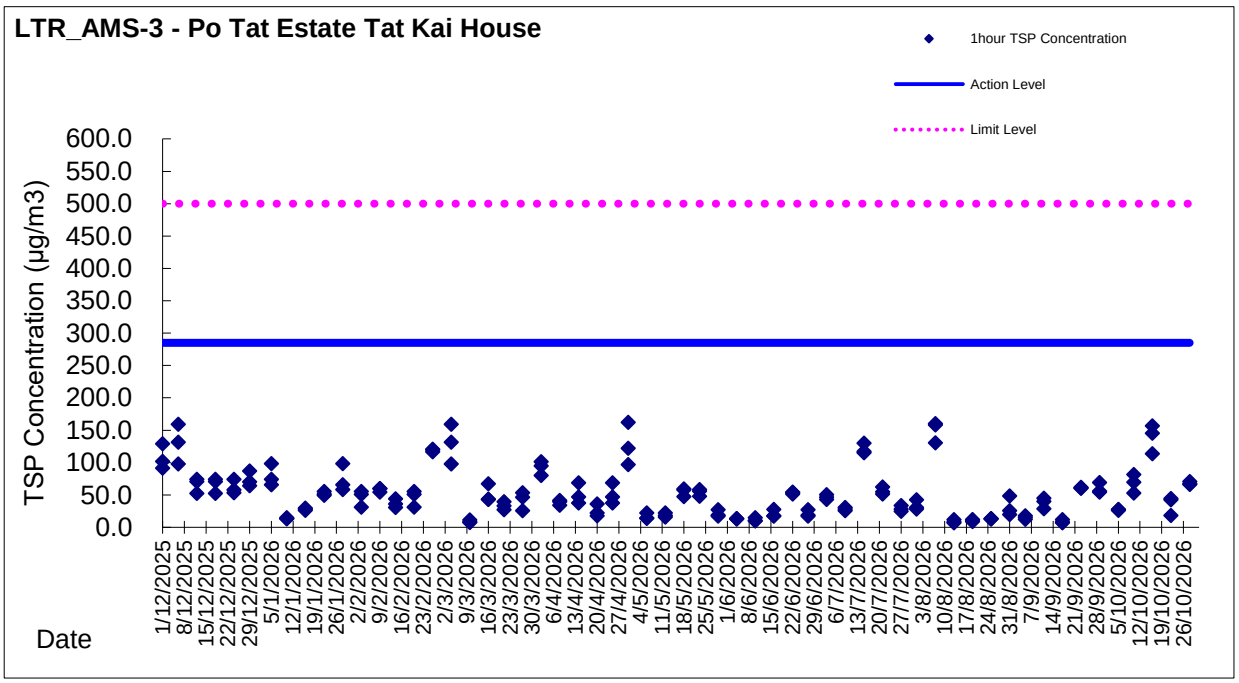
Graphic Presentation of TSP Result





Graphic Presentation of TSP Result





Appendix 5.4

Water Quality Monitoring Results and Graphical Presentations

Lam Environmental Services Limited

Water Monitoring Result at Monitoring Station E - Channelized nullah across the Project site (Upstream Control Station)

Date	Time	Weater Condition	Sampling Depth	Water Temperature			pH			Salinity			DO Saturation			DO			Turbidity			Suspended Solids	
			m	°C			-			ppt			%			mg/L			NTU			mg/L	
				Value		Average	Value		Average	Value		Average	Value		Average	Value		Average	Value		Average	Value	Average
2/10/2026	-	Cloudy	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-			-	-		-	-		-	-		-	-		-	-		-	-		-	
5/10/2026	-	Fine	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-			-	-		-	-		-	-		-	-		-	-		-	-		-	
7/10/2026	-	Fine	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-			-	-		-	-		-	-		-	-		-	-		-	-		-	
9/10/2026	-	Fine	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-			-	-		-	-		-	-		-	-		-	-		-	-		-	
12/10/2026	-	Fine	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-			-	-		-	-		-	-		-	-		-	-		-	-		-	
14/10/2026	-	Fine	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-			-	-		-	-		-	-		-	-		-	-		-	-		-	
16/10/2026	-	Fine	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-			-	-		-	-		-	-		-	-		-	-		-	-		-	
20/10/2026	-	Fine	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-			-	-		-	-		-	-		-	-		-	-		-	-		-	
22/10/2026	-	Fine	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-			-	-		-	-		-	-		-	-		-	-		-	-		-	
24/10/2026	-	Fine	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-			-	-		-	-		-	-		-	-		-	-		-	-		-	
26/10/2026	-	Fine	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-			-	-		-	-		-	-		-	-		-	-		-	-		-	
28/10/2026	-	Fine	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-			-	-		-	-		-	-		-	-		-	-		-	-		-	
30/10/2026	-	Fine	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-			-	-		-	-		-	-		-	-		-	-		-	-		-	

Remarks:
Upstream Monitoring Station (Monitoring Station E) would be taken as control reference for exceedance investigation only.

Lam Environmental Services Limited

Water Monitoring Result at Monitoring Station F - Channelized nullah across the Project site (Downstream Impact Station)

Date	Time	Weater Condition	Sampling Depth	Water Temperature			pH			Salinity			DO Saturation			DO			Turbidity			Suspended Solids	
			m	°C			-			ppt			%			mg/L			NTU			mg/L	
				Value		Average	Value		Average	Value		Average	Value		Average	Value		Average	Value		Average	Value	Average
2/10/2026	8:18	Cloudy	Surface	28.30	28.30	28.30	7.82	7.82	7.8	0.06	0.06	0.06	105.60	105.40	105.50	6.77	6.75	6.8	3.82	3.80	4.8	18.9	15.6
	8:20			28.30	28.30		7.82	7.82		0.06	0.06		105.20	105.80		6.73	6.79		3.78	7.72		12.2	
5/10/2026	10:15	Fine	Surface	25.80	25.80	25.80	7.77	7.77	7.8	0.05	0.05	0.05	103.20	103.50	103.35	6.32	6.35	6.3	4.82	4.87	4.8	2.8	6.0
	10:17			25.80	25.80		7.77	7.77		0.05	0.05		103.00	103.70		6.30	6.37		4.80	4.78		9.2	
7/10/2026	8:20	Fine	Surface	23.20	23.20	23.20	7.62	7.62	7.6	0.05	0.05	0.05	98.20	98.40	98.53	6.13	6.15	6.2	5.62	5.60	5.6	29.3	23.5
	8:22			23.20	23.20		7.62	7.62		0.05	0.05		98.70	98.80		6.18	6.19		5.66	5.62		17.7	
9/10/2026	9:35	Fine	Surface	27.00	27.00	27.00	7.55	7.55	7.6	0.05	0.05	0.05	100.30	100.00	99.88	6.18	6.15	6.1	7.78	7.77	7.8	40.0	34.5
	9:37			27.00	27.00		7.55	7.55		0.05	0.05		99.70	99.50		6.12	6.10		7.78	7.80		28.9	
12/10/2026	9:46	Fine	Surface	27.80	27.80	27.80	7.60	7.60	7.6	0.06	0.06	0.06	98.20	98.00	97.88	6.07	6.05	6.0	5.69	6.28	6.1	11.6	24.5
	9:48			27.80	27.80		7.60	7.60		0.06	0.06		97.80	97.50		6.03	6.00		6.27	6.18		37.4	
14/10/2026	8:30	Fine	Surface	27.50	27.50	27.50	7.92	7.92	7.9	0.06	0.06	0.06	98.30	98.50	98.23	5.98	6.00	6.0	4.22	4.20	4.1	15.6	16.7
	9:32			27.50	27.50		7.92	7.92		0.06	0.06		98.10	98.00		5.96	5.95		3.92	3.90		17.7	
16/10/2026	8:25	Fine	Surface	28.50	28.50	28.50	7.90	7.90	7.9	0.06	0.06	0.06	100.70	100.90	100.63	6.08	6.10	6.1	3.82	3.81	3.8	<1.0	1.9
	8:27			28.50	28.50		7.90	7.90		0.06	0.06		100.50	100.40		6.06	6.05		3.80	3.79		1.9	
20/10/2026	8:48	Fine	Surface	27.30	27.30	27.30	7.92	7.92	7.9	0.05	0.05	0.05	98.30	98.70	98.35	6.08	6.12	6.1	3.82	3.80	3.8	<1.0	1.0
	8:47			27.30	27.30		7.92	7.92		0.05	0.05		98.10	98.30		6.06	6.09		3.88	3.82		1.0	
22/10/2026	8:40	Fine	Surface	26.50	26.50	26.50	7.52	7.52	7.5	0.06	0.06	0.06	97.30	97.50	97.20	5.82	5.84	5.8	2.82	2.80	2.8	1.2	1.1
	8:42			26.50	26.50		7.52	7.52		0.06	0.06		97.00	97.00		5.79	5.79		2.78	2.77		1.0	
24/10/2026	8:58	Fine	Surface	27.20	27.20	27.20	7.60	7.60	7.6	0.05	0.05	0.05	99.30	99.10	99.40	6.02	6.00	6.0	3.02	3.00	3.0	<1.0	<1.0
	9:00			27.20	27.20		7.60	7.60		0.05	0.06		99.50	99.70		6.04	6.06		2.99	2.98		<1.0	
26/10/2026	9:48	Fine	Surface	24.50	24.50	24.50	7.66	7.66	7.7	0.06	0.06	0.06	99.30	99.70	99.33	6.03	9.08	6.8	3.82	3.83	3.8	<1.0	<1.0
	9:50			24.50	24.50		7.66	7.66		0.06	0.06		99.10	99.20		6.01	6.02		3.80	3.77		<1.0	
28/10/2026	10:46	Fine	Surface	25.80	25.80	25.80	7.56	7.56	7.6	0.05	0.05	0.05	101.30	101.20	101.18	6.12	6.11	6.1	4.82	4.85	4.9	1.1	1.5
	10:48			25.80	25.80		7.56	7.56		0.05	0.05		101.10	101.10		6.10	6.10		4.87	4.88		1.8	
30/10/2026	8:50	Fine	Surface	26.20	26.20	26.20	7.87	7.83	7.8	0.05	0.05	0.05	101.30	101.70	101.28	6.08	6.12	6.1	4.02	4.00	4.0	1.0	1.0
	8:52			26.20	26.20		7.83	7.83		0.05	0.05		101.10	101.00		6.06	6.05		3.98	3.99		<1.0	

Remarks:
Single underline denotes exceedance over Action Level.
Double underline denotes exceedance over Limit Level.

Lam Environmental Services Limited

Water Monitoring Result at Monitoring Station H - Ma Yau Tong Stream (Upstream Control Station)

Date	Time	Weater Condition	Sampling Depth	Water Temperature			pH			Salinity			DO Saturation			DO			Turbidity			Suspended Solids	
			m	°C			-			ppt			%			mg/L			NTU			mg/L	
				Value		Average	Value		Average	Value		Average	Value		Average	Value		Average	Value		Average	Value	Average
2/10/2026	8:40	Cloudy	Surface	27.90	27.90	27.90	7.62	7.62	7.6	0.85	0.85	0.85	107.90	107.70	107.50	6.92	6.90	6.9	4.44	4.40	4.4	2.4	2.5
	8:42			27.90	27.90		7.62	7.62		0.85	0.85		107.30	107.10		6.86	6.83		4.36	4.32		2.5	
5/10/2026	9:55	Fine	Surface	26.20	26.20	26.20	7.97	7.97	8.0	0.78	0.78	0.78	107.80	107.50	107.45	6.78	6.75	6.7	8.28	8.27	8.3	4.4	3.7
	9:57			26.20	26.20		7.97	7.97		0.78	0.78		107.30	107.20		6.73	6.72		8.25	8.20		3.0	
7/10/2026	9:07	Fine	Surface	23.00	23.00	23.00	7.88	7.88	7.9	0.87	0.87	0.87	101.90	101.70	101.65	6.37	6.35	6.3	6.82	6.80	6.8	2.0	2.2
	9:09			23.00	23.00		7.88	7.88		0.87	0.87		101.70	101.30		6.35	6.31		6.77	6.75		2.3	
9/10/2026	9:10	Fine	Surface	27.50	27.50	27.50	7.62	7.62	7.6	0.78	0.78	0.78	106.80	106.90	106.65	6.62	6.63	6.6	4.42	4.44	4.4	1.4	1.3
	9:12			27.50	27.50		7.62	7.62		0.78	0.78		106.50	106.40		6.59	6.58		4.40	4.38		1.1	
12/10/2026	9:03	Fine	Surface	28.20	28.20	28.20	7.77	7.77	7.8	0.85	0.85	0.85	101.70	101.90	101.83	6.11	6.13	6.9	3.82	3.85	3.9	2.3	2.2
	9:05			28.20	28.20		7.77	7.77		0.85	0.85		102.20	101.50		6.15	9.09		3.88	3.92		2.0	
14/10/2026	9:10	Fine	Surface	27.20	27.20	27.20	7.88	7.88	7.9	0.82	0.82	0.82	100.90	100.70	100.50	6.22	6.20	6.2	3.88	3.87	3.9	6.5	6.4
	9:12			27.20	27.20		7.88	7.88		0.82	0.82		100.30	100.10		6.16	6.14		3.89	3.86		6.2	
16/10/2026	8:50	Fine	Surface	28.40	28.40	28.40	7.72	7.72	7.7	0.89	0.89	0.89	101.90	102.30	102.00	6.17	6.21	6.2	5.62	5.60	5.6	1.5	1.4
	8:52			28.40	28.40		7.72	7.72		0.89	0.89		102.10	101.70		6.19	6.15		5.66	5.62		1.3	
20/10/2026	9:05	Fine	Surface	27.10	27.10	27.10	7.80	7.80	7.8	0.85	0.85	0.85	103.20	103.50	103.18	6.32	6.35	6.3	5.62	5.66	5.6	1.2	1.2
	9:07			27.10	27.10		7.80	7.80		0.85	0.85		103.00	103.00		6.30	6.30		5.55	5.62		<1.0	
22/10/2026	9:00	Fine	Surface	26.20	26.20	26.20	7.80	7.80	7.8	0.85	0.85	0.85	100.20	100.50	100.33	6.12	6.15	6.1	3.80	3.85	3.9	1.7	1.7
	9:02			26.20	26.20		7.80	7.80		0.85	0.85		100.00	100.60		6.12	6.16		3.88	3.92		1.7	
24/10/2026	9:20	Fine	Surface	26.80	26.80	26.80	7.95	7.95	8.0	0.90	0.90	0.90	102.30	102.70	102.30	6.32	6.36	6.3	4.44	4.46	4.5	<1.0	<1.0
	9:22			26.80	26.80		7.95	7.95		0.90	0.90		102.10	102.10		6.30	6.30		4.50	4.52		<1.0	
26/10/2026	8:54	Fine	Surface	25.20	25.20	25.20	7.95	7.95	8.0	0.85	0.85	0.85	100.30	100.50	100.40	6.32	6.34	6.3	4.27	4.25	4.2	1.1	1.3
	8:56			25.20	25.20		7.95	7.95		0.85	0.85		100.70	100.10		6.36	6.30		4.20	4.22		1.5	
28/10/2026	9:50	Fine	Surface	26.30	26.30	26.30	7.70	7.70	7.7	0.82	0.82	0.82	107.89	107.20	107.65	6.48	6.42	7.2	6.28	6.22	6.2	2.2	3.0
	9:52			26.30	26.30		7.70	7.70		0.82	0.82		107.60	107.90		6.46	9.49		6.20	6.28		3.8	
30/10/2026	8:05	Fine	Surface	26.20	26.00	26.10	7.71	7.71	7.7	0.87	0.87	0.87	103.80	103.90	103.68	6.30	6.31	6.3	5.65	5.66	5.7	1.5	1.4
	8:07			26.20	26.00		7.71	7.71		0.87	0.87		103.60	103.40		6.28	6.26		5.68	5.70		1.2	

Remarks:
Upstream Monitoring Station (Monitoring Station H) would be taken as control reference for exceedance investigation only.

Lam Environmental Services Limited

Water Monitoring Result at Monitoring Station I - Ma Yau Tong Stream (Downstream Impact Station)

Date	Time	Weater Condition	Sampling Depth	Water Temperature			pH			Salinity			DO Saturation			DO			Turbidity			Suspended Solids	
			m	°C			-			ppt			%			mg/L			NTU			mg/L	
				Value		Average	Value		Average	Value		Average	Value		Average	Value		Average	Value		Average	Value	Average
2/10/2026	9:16	Cloudy	Surface	27.70	27.70	27.70	7.70	7.70	7.7	0.78	0.78	0.78	109.90	109.70	109.23	7.12	7.10	7.0	5.52	5.55	5.5	2.8	2.8
	9:18			27.70	27.70		7.70	7.70		0.78	0.78		109.00	108.30		7.03	6.92		5.50	5.48		2.8	
5/10/2026	9:35	Fine	Surface	26.00	26.00	26.00	8.12	8.12	8.1	0.88	0.88	0.88	112.70	112.50	112.70	7.12	7.10	7.1	7.78	7.80	7.8	3.3	3.3
	9:37			26.00	26.00		8.12	8.12		0.88	0.88		112.70	112.90		7.12	7.14		7.82	7.90		3.3	
7/10/2026	8:45	Fine	Surface	22.80	22.80	22.80	7.92	7.92	7.9	0.80	0.80	0.80	103.90	1403.10	428.50	6.55	6.44	6.5	7.72	7.78	7.7	2.3	2.6
	8:47			22.80	22.80		7.92	7.92		0.80	0.80		103.70	103.30		6.53	6.46		7.76	7.72		2.9	
9/10/2026	8:45	Fine	Surface	27.30	27.30	27.30	7.80	7.80	7.8	0.65	0.65	0.65	103.70	103.50	103.33	6.39	6.37	6.4	5.52	5.52	5.5	1.3	1.2
	8:47			27.30	27.30		7.80	7.80		0.65	0.65		103.10	103.00		6.35	6.34		5.50	5.52		1.1	
12/10/2026	8:48	Fine	Surface	28.00	28.00	28.00	7.92	7.92	7.9	0.77	0.77	0.77	103.90	103.70	103.58	6.39	6.37	6.4	5.62	5.60	5.6	1.4	1.4
	8:50			28.00	28.00		7.92	7.92		0.77	0.77		103.60	103.10		6.36	6.31		5.55	5.72		1.3	
14/10/2026	9:36	Fine	Surface	27.00	27.00	27.00	7.96	7.96	8.0	0.77	0.77	0.77	103.70	103.90	104.08	6.48	6.50	6.5	2.72	2.77	2.7	6.8	6.7
	9:38			27.00	27.00		7.96	7.96		0.77	0.77		104.20	104.50		6.53	6.56		2.76	2.70		6.5	
16/10/2026	9:12	Fine	Surface	28.20	28.20	28.20	7.80	7.80	7.8	0.80	0.80	0.80	105.20	105.40	105.20	6.38	6.40	6.4	4.92	4.99	4.9	1.2	1.4
	9:14			28.20	28.20		7.80	7.80		0.80	0.80		105.20	105.00		6.38	6.36		4.90	4.96		1.6	
20/10/2026	9:25	Fine	Surface	26.80	26.80	26.80	7.90	7.90	7.9	0.60	0.60	0.60	105.70	105.90	106.10	6.48	6.50	6.5	4.89	4.92	4.9	1.3	1.3
	9:27			26.80	26.80		7.90	7.90		0.60	0.60		106.30	106.50		6.54	6.56		4.95	4.90		<1.0	
22/10/2026	9:18	Fine	Surface	26.00	26.00	26.00	7.92	7.92	7.9	0.70	0.70	0.70	101.90	102.30	102.33	6.27	3.30	5.6	3.92	3.98	4.0	1.3	1.3
	9:20			26.00	26.00		7.92	7.92		0.70	0.70		102.50	102.60		6.32	6.33		4.02	4.05		1.2	
24/10/2026	9:45	Fine	Surface	26.50	26.50	26.50	8.02	8.02	8.0	0.70	0.70	0.70	101.80	101.60	101.55	6.28	6.26	6.3	3.77	3.72	3.7	<1.0	1.2
	9:47			26.50	26.50		8.02	8.02		0.70	0.70		101.50	101.30		6.25	6.23		3.70	3.77		1.2	
26/10/2026	8:38	Fine	Surface	24.80	24.80	24.80	8.13	8.13	8.1	0.76	0.76	0.76	103.80	103.70	103.58	6.56	6.55	6.5	6.67	6.72	6.7	1.4	1.4
	8:40			24.80	24.80		8.13	8.13		0.76	0.76		103.60	103.20		6.54	6.50		6.70	6.71		1.3	
28/10/2026	9:15	Fine	Surface	26.00	26.00	26.00	7.90	7.90	7.9	0.78	0.78	0.78	102.90	102.70	102.60	6.27	6.25	6.2	5.66	5.67	5.6	2.5	2.5
	9:17			26.00	26.00		7.90	7.90		0.78	0.78		102.50	102.30		6.23	6.21		5.60	5.58		2.5	
30/10/2026	8:25	Fine	Surface	25.80	25.80	25.80	7.80	7.80	7.8	0.70	0.70	0.70	105.20	105.00	105.30	6.44	6.42	6.5	4.82	4.82	4.8	<1.0	1.3
	8:27			25.80	25.80		7.80	7.80		0.70	0.70		105.60	105.40		6.48	6.46		4.80	4.82		1.3	

Remarks:
Single underline denotes exceedance over Action Level.
Double underline denotes exceedance over Limit Level.

Lam Environmental Services Limited

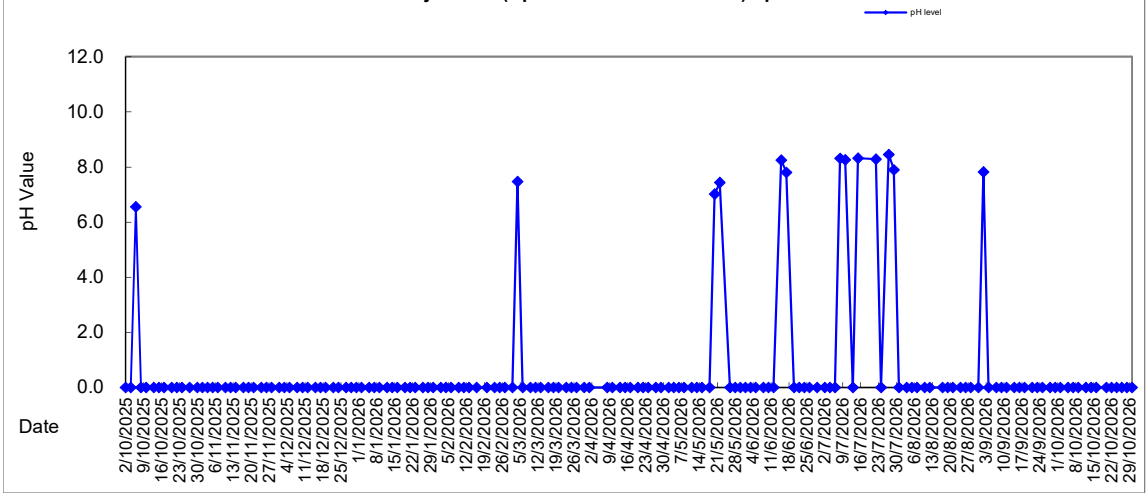
Water Monitoring Result at Monitoring Station AC1 - Channelized nullah across the Project site (Upstream Reference Station)

Date	Time	Weater Condition	Sampling Depth	Water Temperature			pH			Salinity			DO Saturation			DO			Turbidity			Suspended Solids	
			m	°C			-			ppt			%			mg/L			NTU			mg/L	
				Value		Average	Value		Average	Value		Average	Value		Average	Value		Average	Value		Average	Value	Average
2/10/2026	-	Cloudy	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-			-	-		-	-		-	-		-	-		-	-		-	-		-	
5/10/2026	-	Fine	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-			-	-		-	-		-	-		-	-		-	-		-	-		-	
7/10/2026	-	Fine	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-			-	-		-	-		-	-		-	-		-	-		-	-		-	
9/10/2026	-	Fine	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-			-	-		-	-		-	-		-	-		-	-		-	-		-	
12/10/2026	-	Fine	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-			-	-		-	-		-	-		-	-		-	-		-	-		-	
14/10/2026	-	Fine	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-			-	-		-	-		-	-		-	-		-	-		-	-		-	
16/10/2026	-	Fine	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-			-	-		-	-		-	-		-	-		-	-		-	-		-	
20/10/2026	-	Fine	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-			-	-		-	-		-	-		-	-		-	-		-	-		-	
22/10/2026	-	Fine	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-			-	-		-	-		-	-		-	-		-	-		-	-		-	
24/10/2026	-	Fine	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-			-	-		-	-		-	-		-	-		-	-		-	-		-	
26/10/2026	-	Fine	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-			-	-		-	-		-	-		-	-		-	-		-	-		-	
28/10/2026	-	Fine	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-			-	-		-	-		-	-		-	-		-	-		-	-		-	
30/10/2026	-	Fine	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-			-	-		-	-		-	-		-	-		-	-		-	-		-	

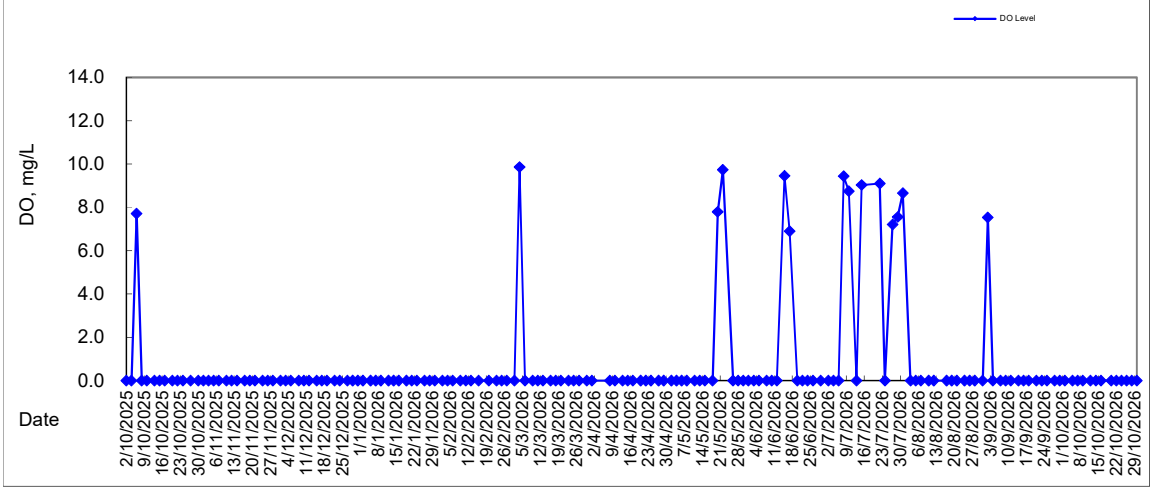
Remarks:
Upstream Monitoring Station (Monitoring Station AC1) would be taken as reference for exceedance investigation only.

Graphic Presentation of WQM Result

Station E - Channelized nullah across the Project site (Upstream Control Station) - pH

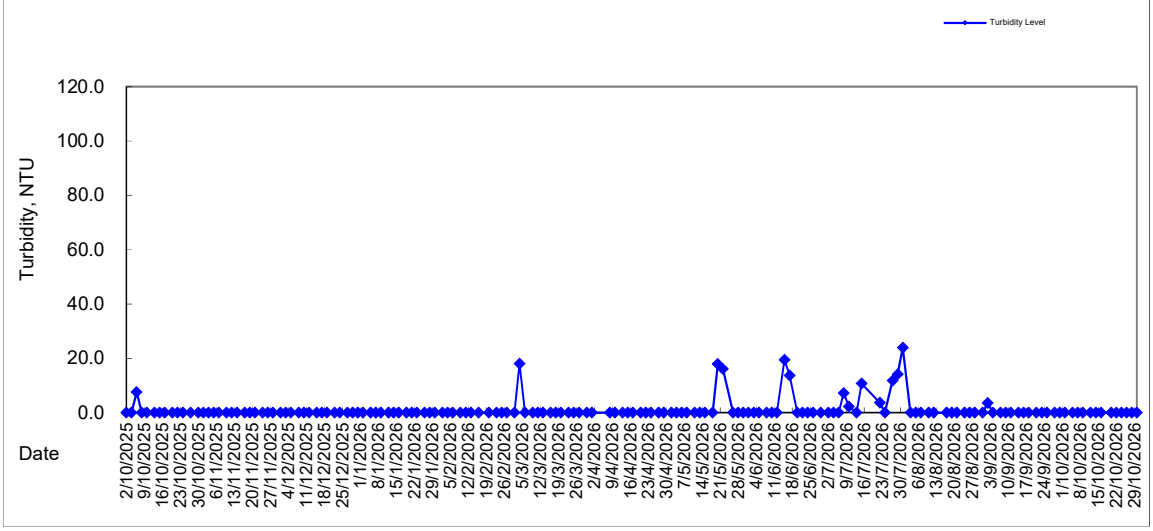


Station E - Channelized nullah across the Project site (Upstream Control Station) - DO

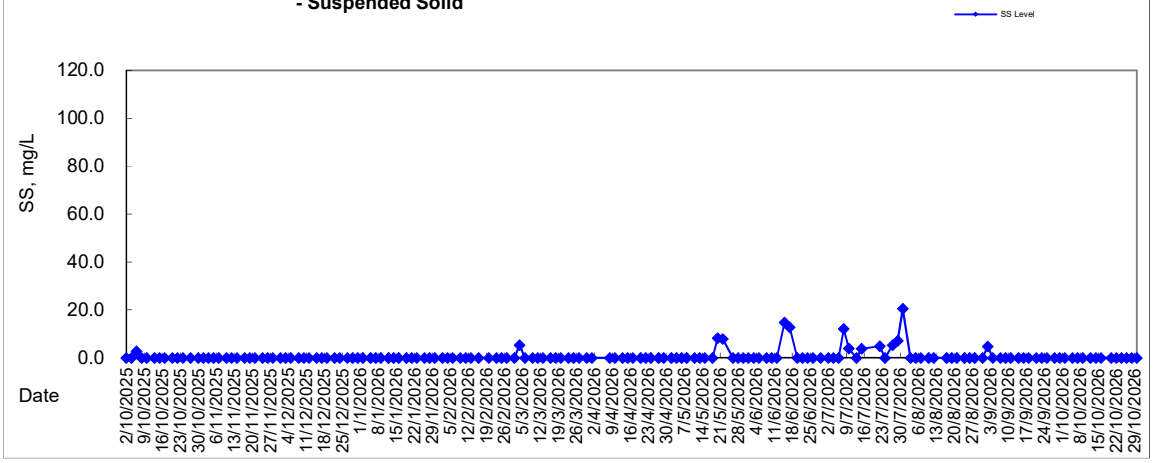


Graphic Presentation of WQM Result

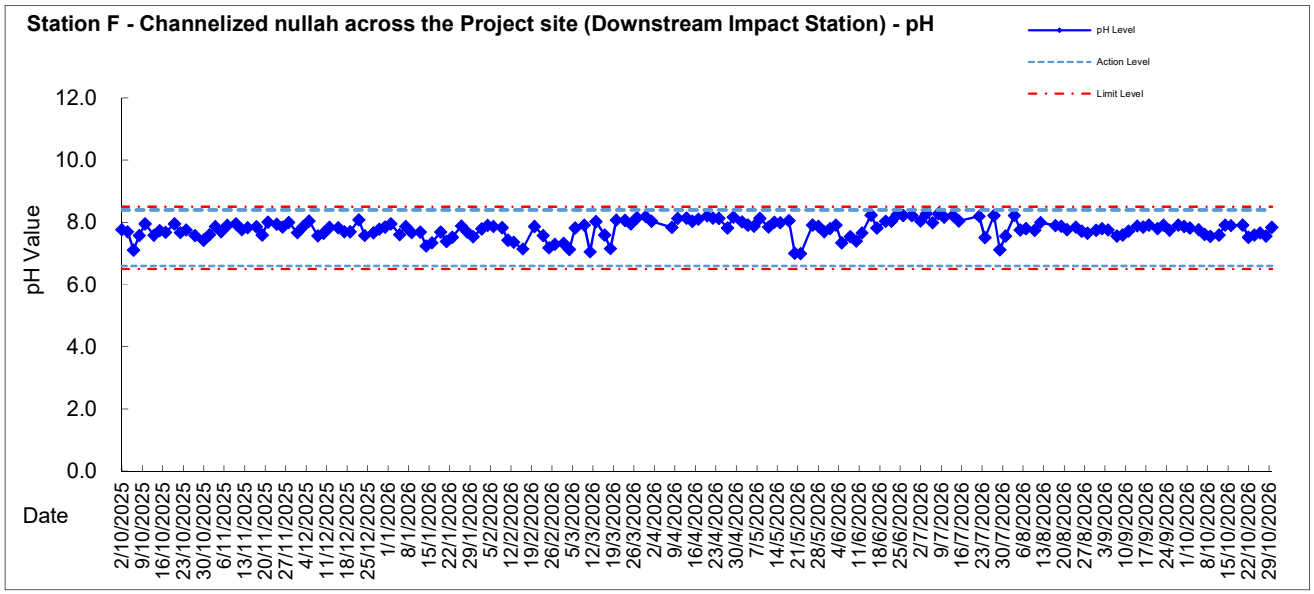
Station E - Channelized nullah across the Project site (Upstream Control Station) - Turbidity

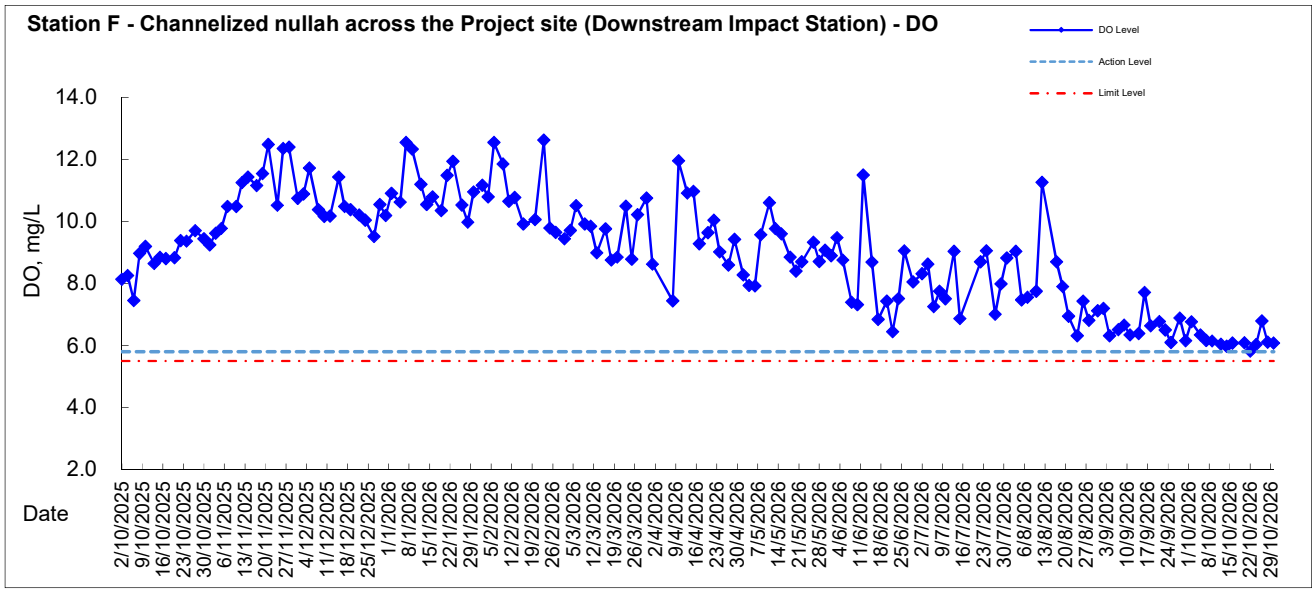


Station E - Channelized nullah across the Project site (Upstream Control Station) - Suspended Solid

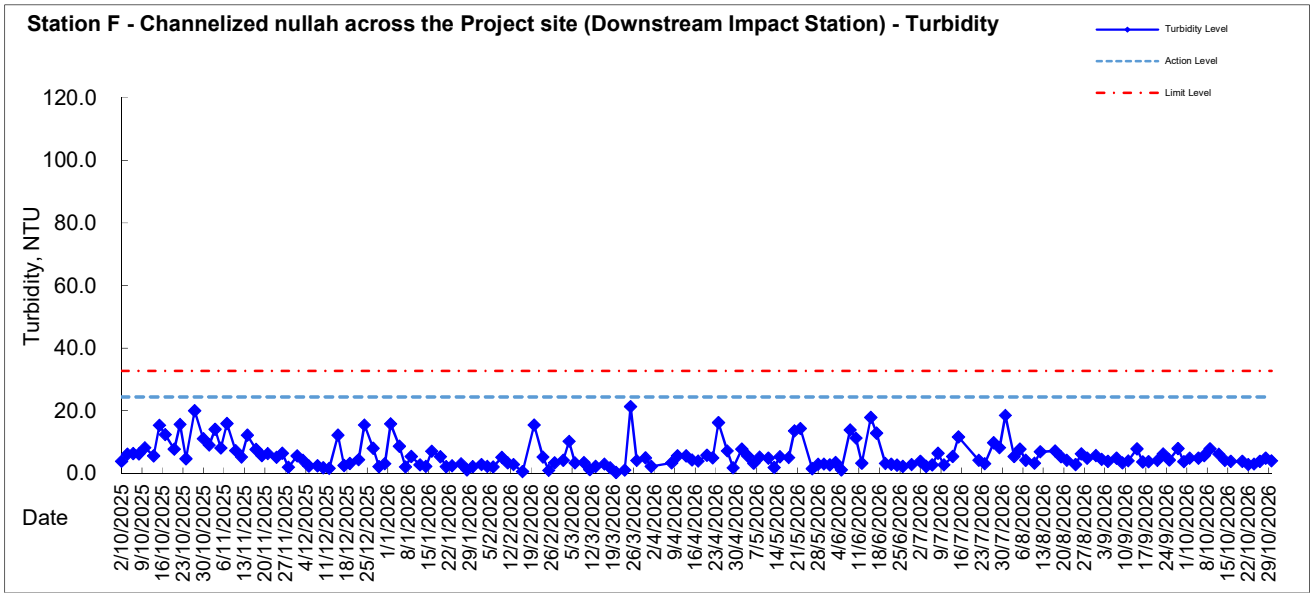


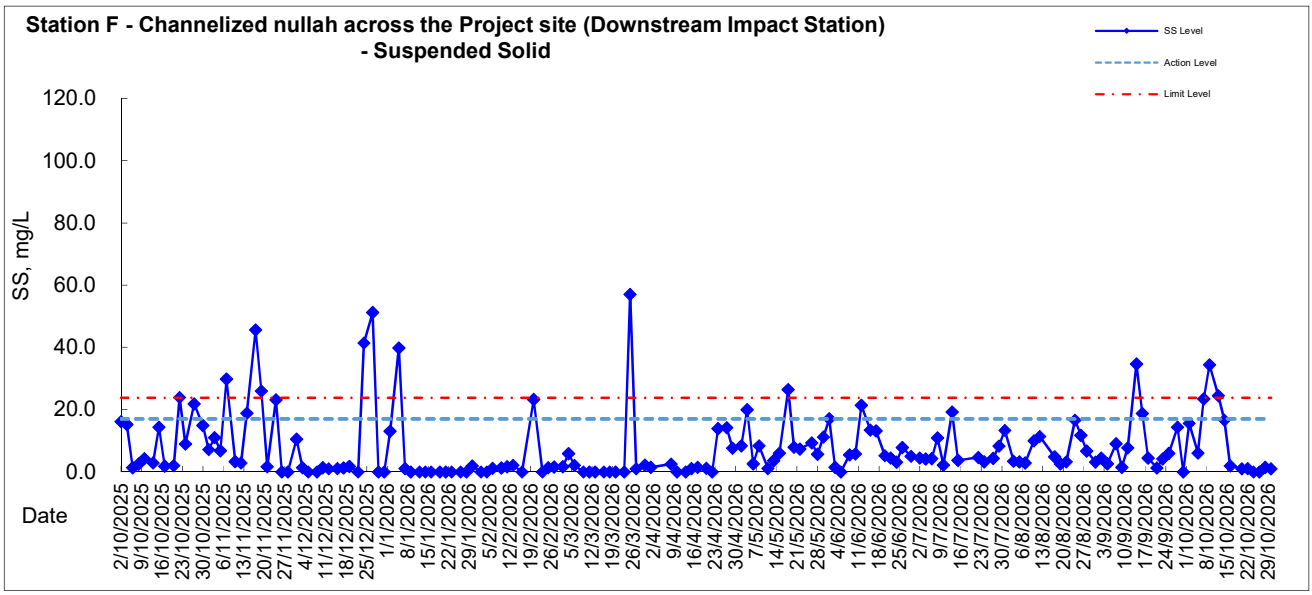
Graphic Presentation of WQM Result



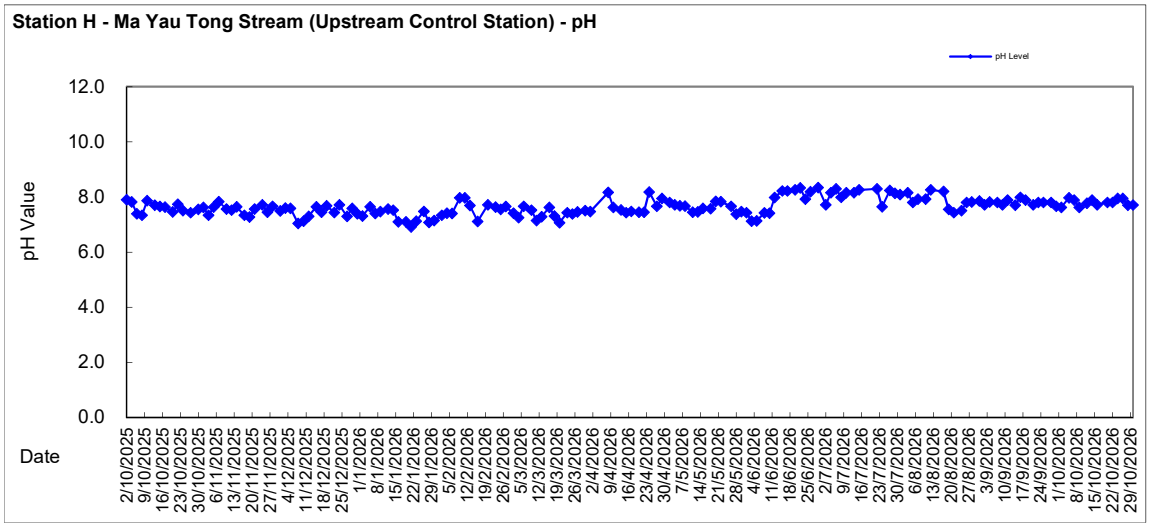


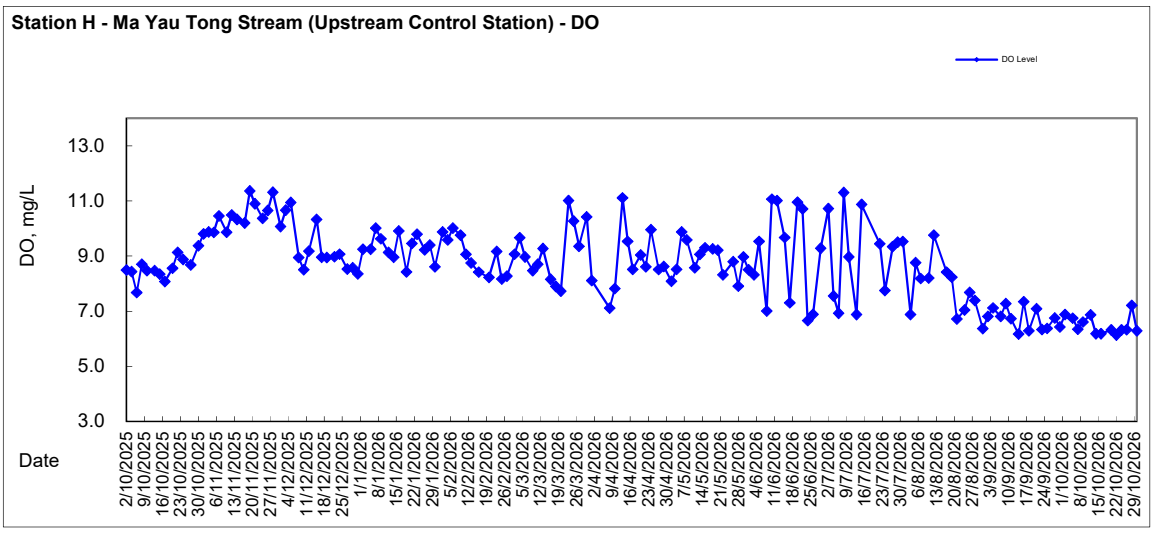
Graphic Presentation of WQM Result





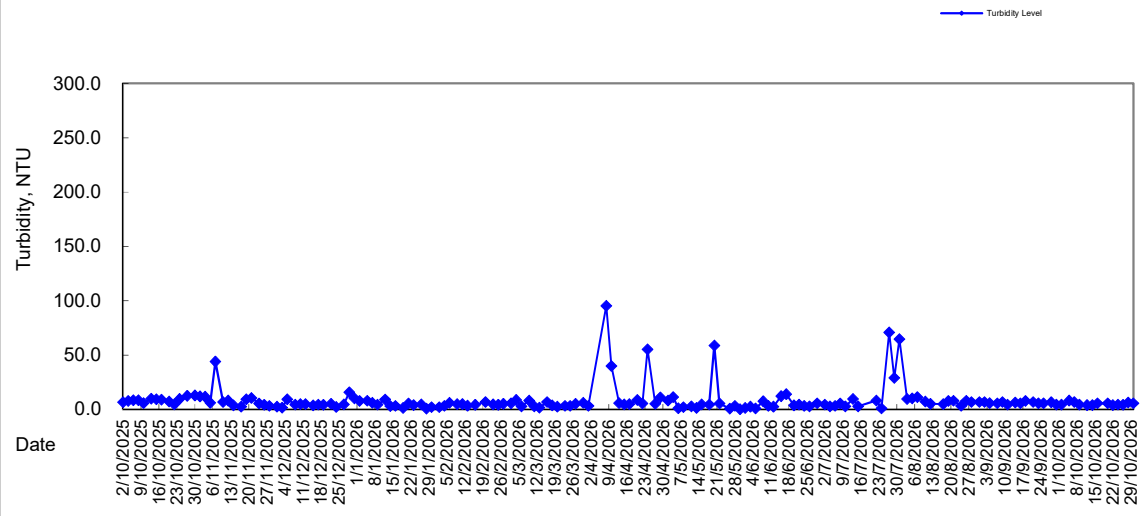
Graphic Presentation of WQM Result



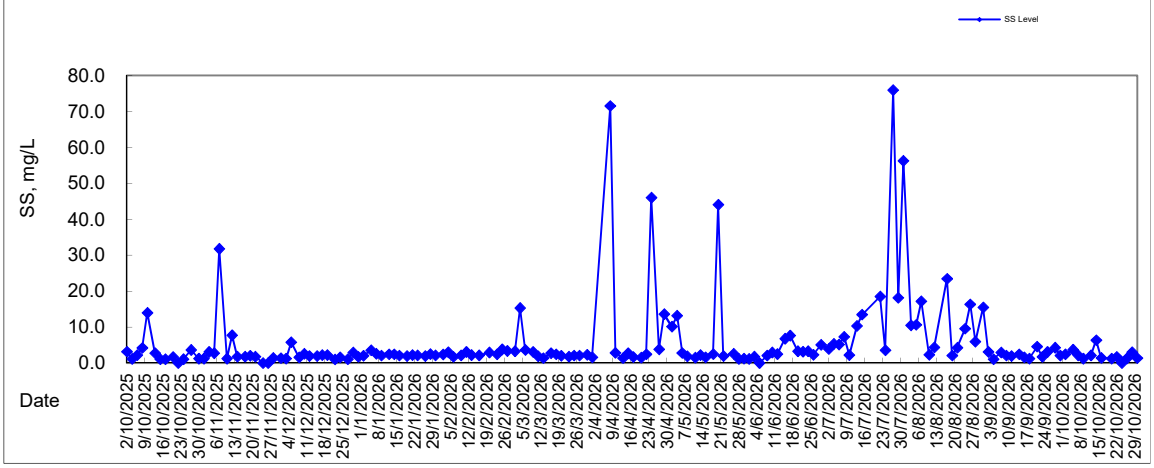


Graphic Presentation of WQM Result

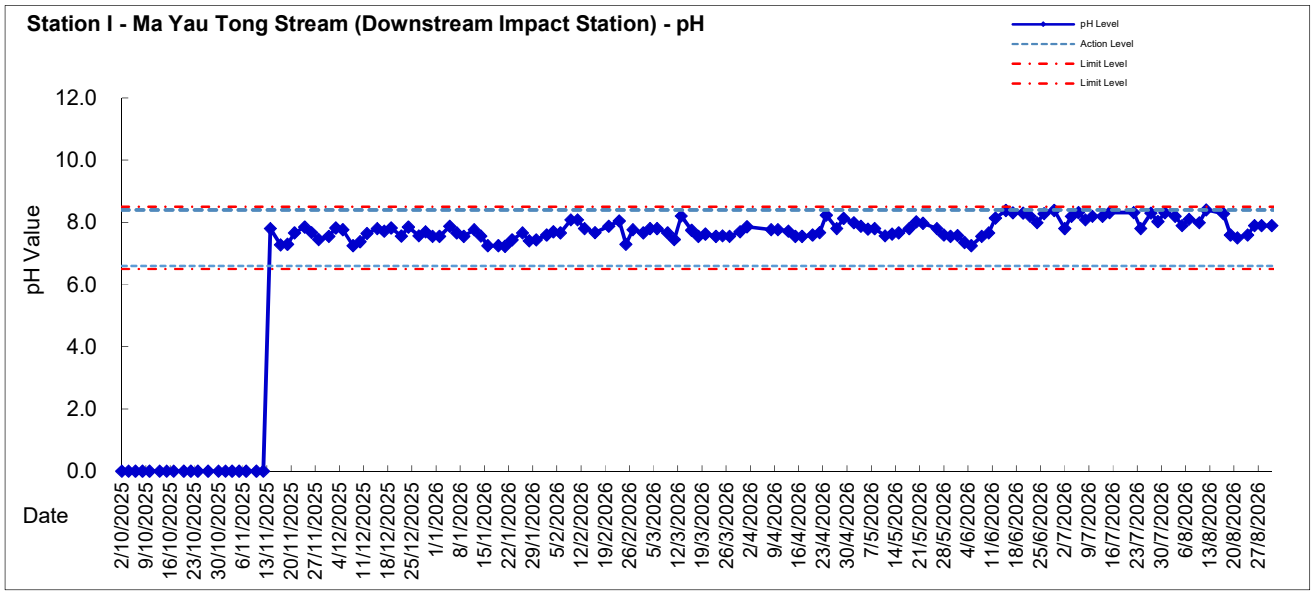
Station H - Ma Yau Tong Stream (Upstream Control Station) - Turbidity

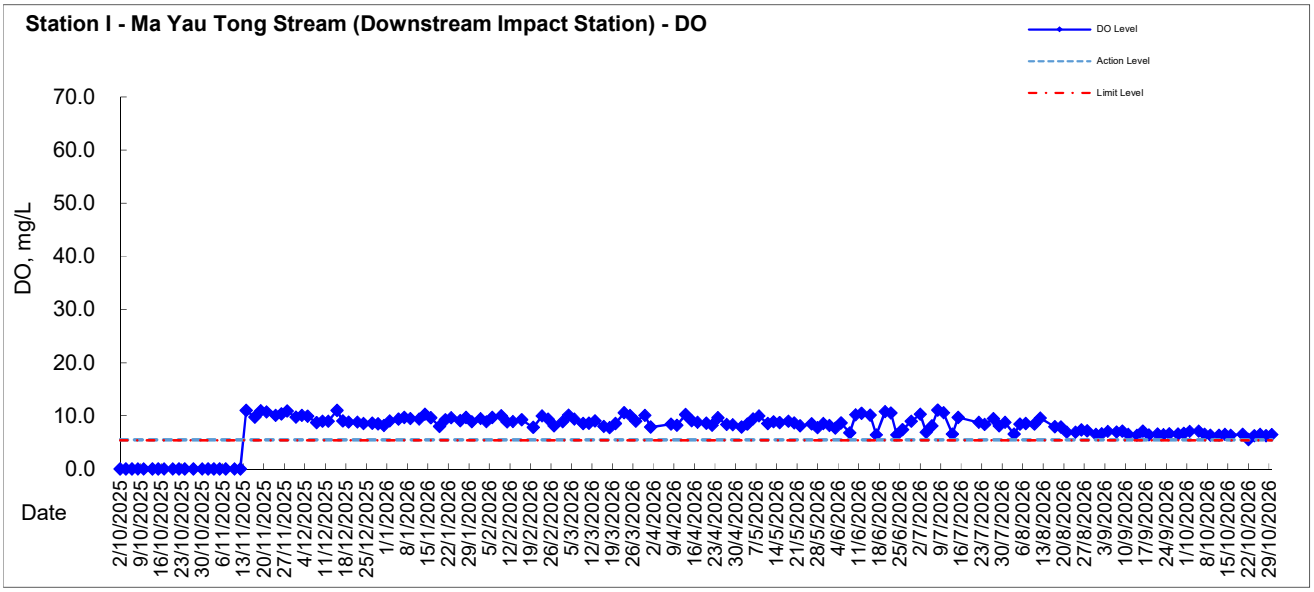


Station H - Ma Yau Tong Stream (Upstream Control Station) - Suspended Solid

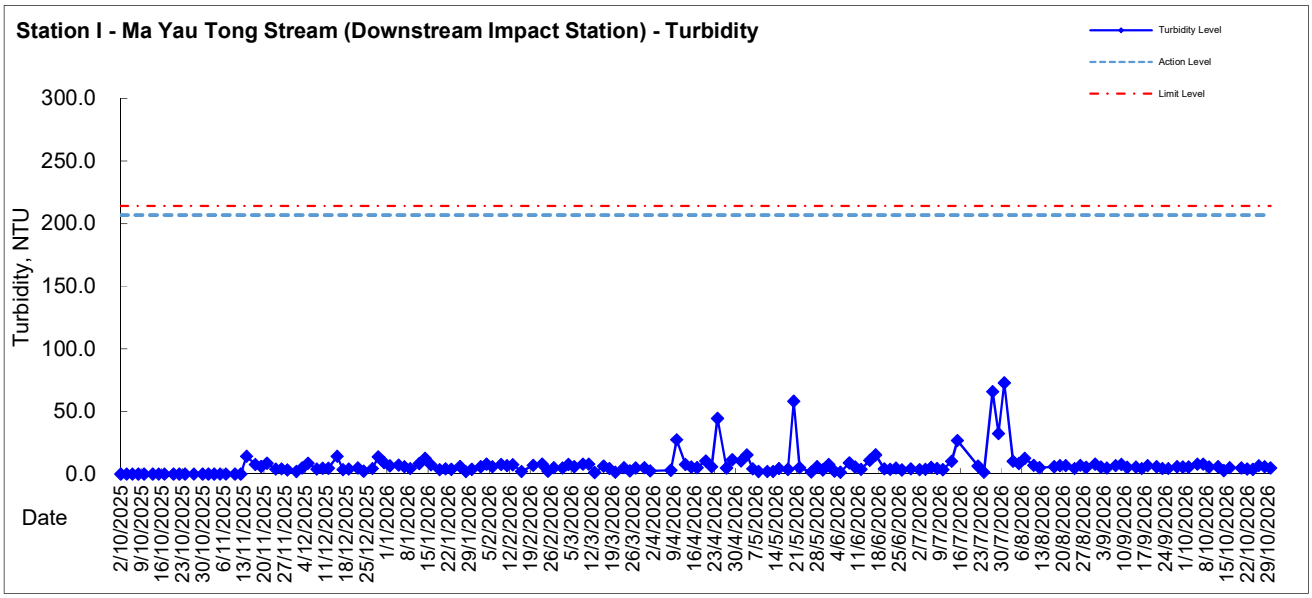


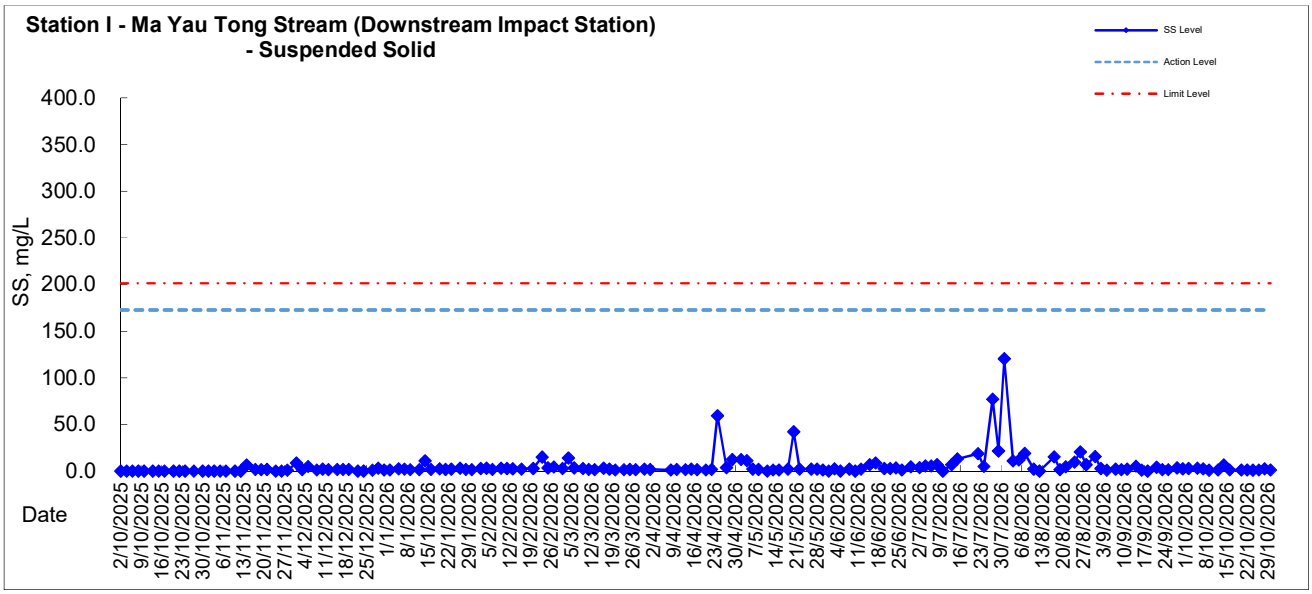
Graphic Presentation of WQM Result





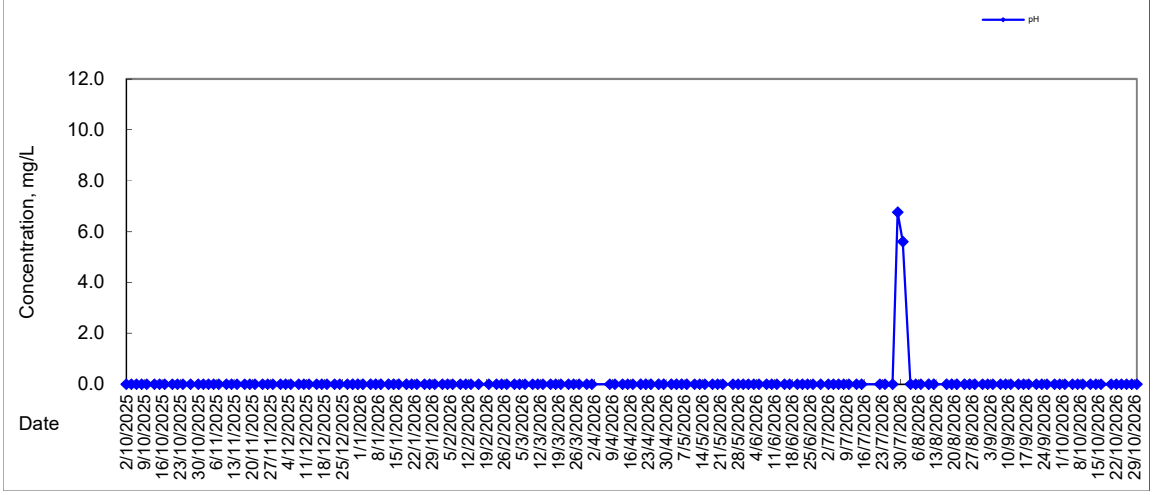
Graphic Presentation of WQM Result



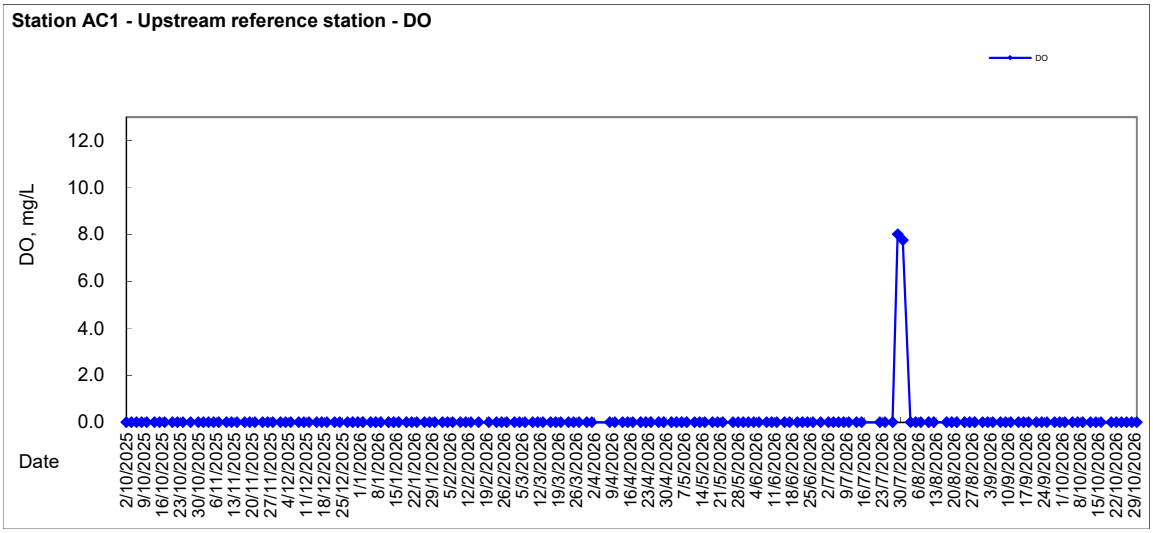


Graphic Presentation of WQM Result

Station AC1 - Upstream reference station - pH

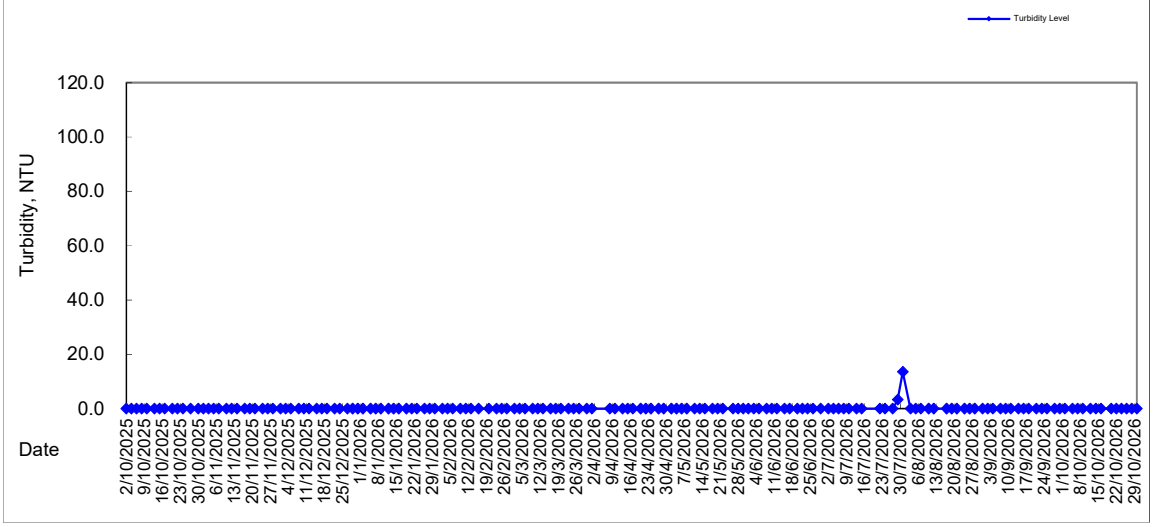


Station AC1 - Upstream reference station - DO

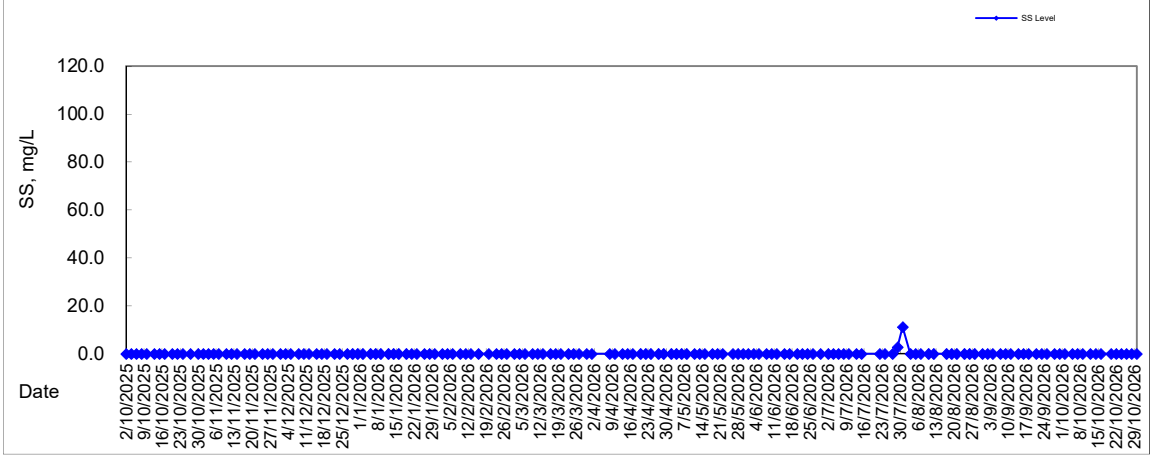


Graphic Presentation of WQM Result

Station AC1 - Upstream reference station - Turbidity



Station AC1 - Upstream reference station - Suspended Solid



Appendix 5.5

Monthly Summary Waste Flow Table

Monthly Summary Waste Flow Table for 2026 (year)

Month	Actual Quantities of Inert C&D Materials Generated Monthly						Actual Quantities of C&D Wastes Generated Monthly				
	Total Quantity Generated	Hard Rock and Large Broken Concrete	Reused in the Contract (see Note 6)	Reused in other Projects (see Note 6)	Disposed as Public Fill	Imported Fill	Metals	Paper/ cardboard packaging	Plastics (see Note 3)	Chemical Waste (see Note 5)	Others, e.g. general refuse
	(in '000m^3)	(in '000m^3)	(in '000m^3)	(in '000m^3)	(in '000m^3)	(in '000m^3)	(in '000 kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000m^3)
Jan	2.552	0.000	0.000	0.000	2.552	0.000	0.003	0.000	0.002	0.000	0.057
Feb	1.110	0.000	0.000	0.000	1.110	0.000	0.000	0.000	0.000	0.000	0.161
Mar	1.542	0.000	0.000	0.000	1.542	0.000	0.000	0.000	0.000	0.000	0.091
Apr	1.926	0.000	0.000	0.000	1.926	0.000	0.000	0.000	0.000	0.000	0.053
May	1.488	0.000	0.000	0.000	1.488	0.000	0.000	0.000	0.000	0.000	0.050
Jun	1.346	0.000	0.000	0.000	1.346	0.000	0.000	0.000	2.500	0.000	0.041
Sub-total	9.965	0.000	0.000	0.000	9.965	0.000	0.003	0.000	2.502	0.000	0.452
Jul	1.015	0.000	0.000	0.000	1.015	0.000	0.000	0.000	3.750	0.000	0.133
Aug	1.549	0.000	0.000	0.000	1.549	0.000	0.000	0.000	0.000	0.000	0.037
Sep	1.438	0.000	0.000	0.000	1.438	0.000	0.000	0.000	5.750	0.000	0.055
Oct	1.520	0.000	0.000	0.000	1.520	0.000	0.006	0.000	0.013	0.000	0.029
Nov											
Dec											
Total	15.488	0.000	0.000	0.000	15.488	0.000	0.009	0.000	12.015	0.000	0.706

Notes:

(1) The performance targets are given in PS Clause 1.129 (4).

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

(3) Plastics refer to plastic bottles/containers, plastic sheets/foam from packaging material and waste will be collected by recycler for recycling.

(4) Use the conversion factor, density of general refuse (1 t/m^3) and inert C&D materials (2 t/m^3).

(5) Use the conversion factor for chemical waste (0.88kg/L).

(6) Assume a dump truck delivers 7.5 m^3 material in 1 trip.

Appendix 6.1

Event Action Plans

Event and Action Plan for Construction Noise

EVENT	ACTION			
	ET	**IEC**	**ER**	**CONTRACTOR**
Action Level being exceeded	1. Notify ER, IEC and Contractor; 2. Carry out investigation; 3. Report the results of investigation to the IEC, ER and Contractor; 4. Discuss with the IEC and Contractor on remedial measures required; 5. Increase monitoring frequency to check mitigation effectiveness.	1. Review the investigation results submitted by the ET; 2. Review the proposed remedial measures by the Contractor and advise the ER accordingly; 3. Advise the ER on the effectiveness of the proposed remedial measures.	1. Confirm receipt of notification of failure in writing; 2. Notify Contractor; 3. Require Contractor to propose remedial measures for the analyzed noise problem; 4. Ensure remedial measures are properly implemented.	1. Submit noise mitigation proposals to ET Leader / ER; 2. Implement noise mitigation proposals.
Limit Level being exceeded	1. Inform IEC, ER, Contractor and EPD; 2. Repeat measurements to confirm findings; 3. Increase monitoring frequency; 4. Identify source and investigate the cause of exceedance; 5. Carry out analysis of Contractor's working procedures; 6. Discuss with the IEC, Contractor and ER on remedial measures required; 7. Assess effectiveness of Contractor's remedial actions and keep IEC, EPD and ER informed of the results; 8. If exceedance stops, cease additional monitoring.	1. Discuss amongst ER, ET, and Contractor on the potential remedial actions; 2. Review Contractor's remedial actions whenever necessary to assure their effectiveness and advise the ER accordingly.	1. Confirm receipt of notification of failure in writing; 2. Notify Contractor; 3. In consolidation with the IEC, agree with the Contractor on the remedial measures to be implemented; 4. Supervise the implementation of remedial measures; 5. If exceedance continues, consider stopping the Contractor to continue working on that portion of work which causes the exceedance until the exceedance is abated.	1. Take immediate action to avoid further exceedance; 2. Submit proposals for remedial actions to IEC and ER within 3 working days of notification; 3. Implement the agreed proposals; 4. Submit further proposal if problem still not under control; 5. Stop the relevant portion of works as instructed by the ER until the exceedance is abated.

Event and Action Plan for Construction Air Quality

EVENT	ACTION			
	ET	**IEC**	**ER**	**CONTRACTOR**
ACTION LEVEL				
1. Exceedance for one sample	1. Identify source, investigate the causes of exceedance and propose remedial measures; 2. Inform Contractor, IEC and ER; 3. Repeat measurement to confirm finding; 4. Increase monitoring frequency to daily.	1. Check monitoring data submitted by ET; 2. Check Contractor's working method; and 3. Review and advise the ET and ER on the effectiveness of the proposed remedial measures.	1. Notify Contractor.	1. Identify source(s), investigate the causes of exceedance and propose remedial measures; 2. Implement remedial measures; and 3. Amend working methods agreed with the ER as appropriate
2. Exceedance for two or more consecutive samples	1. Identify source; 2. Inform Contractor, IEC and ER; 3. Advise the Contractor and ER on the effectiveness of the proposed remedial measures; 4. Repeat measurements to confirm findings; 5. Increase monitoring frequency to daily; 6. Discuss with IEC and Contractor on remedial actions required; 7. If exceedance continues, arrange meeting with Contractor, IEC and ER; 8. If exceedance stops, cease additional monitoring.	1. Check monitoring data submitted by ET; 2. Check Contractor's working method; 3. Discuss with ET, ER and Contractor on possible remedial measures; 4. Advise the ET and ER on the effectiveness of the proposed remedial measures; 5. Supervise Implementation of remedial measures.	1. Confirm receipt of notification of exceedance in writing; 2. Notify Contractor; 3. Ensure remedial measures properly implemented. 4. If exceedance continues, consider what portion of the work is responsible and instruct the Contractor to stop that portion of work until the exceedance is abated.	1. Identify source and investigate the causes of exceedance; 2. Submit proposals for remedial measures to the ER with a copy to ET and IEC within three working days of notification; 3. Implement the agreed proposals; and 4. Amend proposal as appropriate.

Event and Action Plan for Construction Air Quality (Con't)

EVENT	ACTION			
	ET	IEC	ER	CONTRACTOR
LIMIT LEVEL				
1. Exceedance for one sample	1. Identify source, investigate the causes of exceedance and propose remedial measures; 2. Inform Contractor, IEC, ER, and EPD; 3. Repeat measurement to confirm finding; 4. Increase monitoring frequency to daily; 5. Assess effectiveness of Contractor's remedial actions and keep IEC, EPD and ER informed of the results.	1. Check monitoring data submitted by ET; 2. Check Contractor's working method; 3. Discuss with ET and Contractor on possible remedial measures; 4. Advise the ER on the effectiveness of the proposed remedial measures; 5. Supervise implementation of remedial measures.	1. Confirm receipt of notification of exceedance in writing; 2. Notify Contractor; 3. Ensure remedial measures properly implemented.	1. Identify source(s) and investigate the causes of exceedance; 2. Take immediate action to avoid further exceedance; 3. Submit proposals for remedial measures to ER with a copy to ET and IEC within three working days of notification; 4. Implement the agreed proposals; and 5. Amend proposal if appropriate.
2. Exceedance for two or more consecutive samples	1. Notify IEC, ER, Contractor and EPD; 2. Identify source; 3. Repeat measurement to confirm findings; 4. Increase monitoring frequency to daily; 5. Carry out analysis of Contractor's working 6. procedures to determine possible mitigation to be implemented; 7. Arrange meeting with IEC and ER to discuss the remedial actions to be taken; 8. Assess effectiveness of Contractor's remedial actions and keep IEC, EPD and ER informed of the results; 9. If exceedance stops, cease additional monitoring.	1. Check monitoring data submitted by the ET; 2. Discuss amongst ER, ET, and Contractor on the potential remedial actions; 3. Review Contractor' s remedial actions whenever necessary to assure their effectiveness and advise the ER accordingly; 4. Supervise the implementation of remedial measures.	1. Confirm receipt of notification of exceedance in writing; 2. In consultation with the ET and IEC, agree with the Contractor on the remedial measures to be implemented; 3. Supervise the implementation of remedial measures; and 4. If exceedance continues, consider what portion of the work is responsible and instruct the Contractor to stop that portion of work until the exceedance is abated.	1. Identify source(s) and investigate the causes of exceedance; 2. Take immediate action to avoid further exceedance; 3. Submit proposals for remedial measures to the ER with a copy to the IEC and ET within three working days of notification; 4. Implement the agreed proposals; 5. Revise and resubmit proposals if problem still not under control; and 6. Stop the relevant portion of works as determined by the ER until the exceedance is abated.

Event and Action Plan for Water Quality

EVENT	ACTION			
	ET	IEC	ER	CONTRACTOR
ACTION LEVEL				
Action level being exceeded by one sampling day	1. Repeat in situ measurement to confirm findings; 2. Identify reasons for noncompliance and source(s) of impact; 3. Inform IEC and Contractor; 4. Check monitoring data, all plant, equipment and Contractor's working methods; 5. Discuss mitigation measures with IEC, ER and Contractor; 6. Repeat measurement on next day of exceedance.	1. Discuss with ET, ER and Contractor on the mitigation measures; 2. Review proposals on mitigation measures submitted by Contractor and advise the ER accordingly; 3. Assess the effectiveness of the implemented mitigation measures.	1. Discuss with ET, IEC and Contractor on the proposed mitigation measures; 2. Make agreement on the mitigation measures to be implemented. 3. Supervise the implementation of remedial measures.	1. Inform the ER and confirm notification of the noncompliance in writing; 2. Rectify unacceptable practice; 3. Check all plant and equipment; 4. Consider changes of working methods; 5. Discuss with ET, ER and IEC and propose mitigation measures to IEC and ER; 6. Implement the agreed mitigation measures.
Action level being exceeded by more than one consecutive sampling days	1. Repeat in situ measurement to confirm findings; 2. Identify reasons for noncompliance and source(s) of impact; 3. Inform IEC and Contractor; 4. Check monitoring data, all plant, equipment and Contractor's working methods; 5. Discuss mitigation measures with IEC, ER and Contractor; 6. Ensure mitigation measures are implemented; 7. Prepare to increase the monitoring frequency to daily; 8. Repeat measurement on next day of exceedance.	1. Discuss with ET, ER and Contractor on the mitigation measures; 2. Review proposals on mitigation measures submitted by Contractor and advise the ER accordingly; 3. Assess the effectiveness of the implemented mitigation measures.	1. Discuss with ET, IEC and Contractor on the proposed mitigation measures; 2. Make agreement on the mitigation measures to be implemented; 3. Supervise the implementation of remedial measures.	1. Inform the ER and confirm notification of the noncompliance in writing; 2. Rectify unacceptable practice; 3. Check all plant and equipment; 4. Consider changes of working methods; 5. Discuss with ET, ER and IEC and propose mitigation measures to IEC and ER within three working days; 6. Implement the agreed mitigation measures.

Event and Action Plan for Water Quality (cont'd)

EVENT	ACTION			
	ET	IEC	ER	CONTRACTOR
LIMIT LEVEL				
Limit level being exceeded by one sampling day	1. Repeat in situ measurement to confirm findings; 2. Identify reasons for noncompliance and source(s) of impact; 3. Inform IEC Contractor and EPD; 4. Check monitoring data, all plant, equipment and Contractor's working methods; 5. Discuss mitigation measures with IEC, ER and Contractor; 6. Ensure mitigation measures are implemented; 7. Increase the monitoring frequency to daily until no exceedance of Limit level.	1. Discuss with ET, ER and Contractor on the mitigation measures; 2. Review proposals on mitigation measures submitted by Contractor and advise the ER accordingly; 3. Assess the effectiveness of the implemented mitigation measures.	1. Discuss with IEC, ET and Contractor on the proposed mitigation measures; 2. Request Contractor to critically review the working methods; 3. Make agreement on the mitigation measures to be implemented; 4. Supervise the implementation of remedial measures.	1. Inform the ER and confirm notification of the noncompliance in writing; 2. Rectify unacceptable practice; 3. Check all plant and equipment; 4. Consider changes of working methods; 5. Discuss with ET, IEC and ER and propose mitigation measures to IEC and ER within three working days; 6. Implement the agreed mitigation measures.
Limit level being exceeded by more than one consecutive sampling days	1. Repeat in situ measurement to confirm findings; 2. Identify reasons for noncompliance and source(s) of impact; 3. Inform IEC Contractor and EPD; 4. Check monitoring data, all plant, equipment and Contractor's working methods; 5. Discuss mitigation measures with IEC, ER and Contractor; 6. Ensure mitigation measures are implemented; 7. Increase the monitoring frequency to daily until no exceedance of Limit level for two consecutive days.	1. Discuss with ET, ER and Contractor on the mitigation measures; 2. Review proposals on mitigation measures submitted by Contractor and advise the ER accordingly; 3. Assess the effectiveness of the implemented mitigation measures.	1. Discuss with IEC, ET and Contractor on the proposed mitigation measures; 2. Request Contractor to critically review the working methods; 3. Make agreement on the mitigation measures to be implemented; 4. Supervise the implementation of remedial measures; 5. Consider and instruct, if necessary, the Contractor to slow down or to stop all or part of the construction activities until no exceedance of Limit level.	1. Inform the ER and confirm notification of the noncompliance in writing; 2. Rectify unacceptable practice; 3. Check all plant and equipment; 4. Consider changes of working methods; 5. Discuss with ET, IEC and ER and propose mitigation measures to IEC and ER within three working days; 6. Implement the agreed mitigation measures; 7. As directed by the ER, to slow down or to stop all or part of the construction activities.

Event and Action Plan for Landscape and Visual

EVENT	ACTION			
	ET	IEC	ER	CONTRACTOR
LIMIT LEVEL				
Nonconformity on one occasion	1. Identify source(s); 2. Inform the Contractor, IEC and ER; 3. Discuss remedial actions with IEC, ER and Contractor; 4. Monitor remedial actions until rectification has been completed	1. Check inspection report; 2. Check contractor's working method; 3. Discuss with ET, ER and Contractor on possible remedial measures; 4. Advise ER on effectiveness of proposed remedial measures; 5. Check implementation of remedial measures	1. Confirm receipt of notification of non-conformity in writing 2. Review and agree on the remedial measures proposed by the Contractor; 3. Supervise implementation of remedial	1. Identify source and investigate the non- conformity 2. Implement remedial measures 3. Amend working methods agreed with ER as appropriate 4. Rectify damage and undertake any necessary replacement
Repeated Nonconformity	1. Identify source(s) 2. Inform the Contractor, IEC and ER; 3. Discuss inspection frequency 4. Discuss remedial actions with IEC, ER and Contractor 5. Monitor remedial actions until rectification has been completed; 6. If non- conformity stops, cease additional monitoring	1. Check inspection report 2. Check Contractor's working method 3. Discuss with ET, ER and Contractor on possible remedial measures 4. Advise ER on effectiveness of proposed remedial measures 5. Supervise implementation of remedial measures	1. Notify the Contractor 2. In consultation with the ET and IEC, agree with the Contractor on the remedial measures to be implemented 3. Supervise implementation of remedial measures	1. Identify source and investigate the non- conformity 2. Implement remedial measures 3. Amend working methods agreed with ER as appropriate 4. Rectify damage and undertake any necessary replacement. Stop relevant portion of works as determined by ER until the non- conformity is abated.

Appendix 6.2

Summary for Notification of Exceedance

Lam Environmental Services Limited

Summary for Notification of Exceedance

Ref no.	Date	Location	Parameters (Unit)	Measured	Action Level	Limit Level	Follow-up action	
202610_ RIW2_W1	7/10/2026	F	pH	7.6	Beyond the range of 6.6-8.4	Beyond the range of 6.5-8.5	Possible reason:	Natural variation in water quality due to unknown sources.
			DO(mg/l)	6.2	5.8	5.5	Action taken/ to be taken:	After the record of exceedance, contractor, RSS & IEC were notified immediately. According to records, works conducted at RIW2 (upstream of station F) during the day of exceedance include road works and erection of noise barrier steel frame which cause minimal water quality impact. And mitigation measures have been properly implemented by Contractor, including covering of stockpiles to minimize generation of muddy runoff; provision of kerb and sandbag barriers to intercept surface runoff and provision of sedimentation tank and Wetsep tank for wastewater treatment. Also most of the site areas had been hard paved. No water quality-related items were identified during recent inspections and the latest effluent test conducted on 21 September 2026 complied with the relevant discharge license condition. With no major polluting works and effective mitigation measures implemented, the exceedance were believed to be not related to the project.
			Turbidity	5.6	24.4	32.7		
			SS (mg/L)	23.5	17.0	23.8		
							Remarks/ Other Observations:	The Contractor was reminded to intercept the runoff or direct the runoff to the wastewater treatment facility and ensure its operating properly to avoid any potential project related exceedance.
202610_ RIW2_W2	9/10/2026	F	pH	7.6	Beyond the range of 6.6-8.4	Beyond the range of 6.5-8.5	Possible reason:	Natural variation in water quality due to unknown sources.
			DO(mg/l)	6.1	5.8	5.5	Action taken/ to be taken:	After the record of exceedance, contractor, RSS & IEC were notified immediately. According to records, works conducted at RIW2 (upstream of station F) during the day of exceedance include road works and erection of noise barrier steel frame which cause minimal water quality impact. And mitigation measures have been properly implemented by Contractor, including covering of stockpiles to minimize generation of muddy runoff; provision of kerb and sandbag barriers to intercept surface runoff and provision of sedimentation tank and Wetsep tank for wastewater treatment. Also most of the site areas had been hard paved. No water quality-related items were identified during recent inspections and the latest effluent test conducted on 21 September 2026 complied with the relevant discharge license condition. With no major polluting works and
			Turbidity	7.8	24.4	32.7		
			SS (mg/L)	34.5	17.0	23.8		

Lam Environmental Services Limited

Ref no.	Date	Location	Parameters (Unit)	Measured	Action Level	Limit Level	Follow-up action	
								effective mitigation measures implemented, the exceedance were believed to be not related to the project.
							Remarks/ Other Observations:	The Contractor was reminded to intercept the runoff or direct the runoff to the wastewater treatment facility and ensure its operating properly to avoid any potential project related exceedance.
202610_ RIW2_W3	12/10/2026	F	pH	7.6	Beyond the range of 6.6-8.4	Beyond the range of 6.5-8.5	Possible reason:	Natural variation in water quality due to unknown sources.
			DO(mg/l)	6.0	5.8	5.5	Action taken/ to be taken:	After the record of exceedance, contractor, RSS & IEC were notified immediately. According to records, works conducted at RIW2 (upstream of station F) during the day of exceedance include road works and erection of noise barrier steel frame which cause minimal water quality impact. And mitigation measures have been properly implemented by Contractor, including covering of stockpiles to minimize generation of muddy runoff; provision of kerb and sandbag barriers to intercept surface runoff and provision of sedimentation tank and Wetsep tank for wastewater treatment. Also most of the site areas had been hard paved. No water quality-related items were identified during recent inspections and the latest effluent test conducted on 21 September 2026 complied with the relevant discharge license condition. With no major polluting works and effective mitigation measures implemented, the exceedance were believed to be not related to the project.
			Turbidity	6.1	24.4	32.7		
			SS (mg/L)	24.5	17.0	23.8		
							Remarks/ Other Observations:	The Contractor was reminded to intercept the runoff or direct the runoff to the wastewater treatment facility and ensure its operating properly to avoid any potential project related exceedance.

Appendix 8.1

Complaint Log

Environmental Complaints Log

Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
20190902	2 September 2019	DSD	A portion of Clear Water Bay Road, near the junction of Fei Ngo Shan Road	The complainant reported that muddy water was improperly overflown from the construction site under Contract NE/2017/03 at Clear Water Bay Road and eventually to the downstream public storm water drainage system on 02 September 2019	The investigation report from contractor has revealed that the gaps between sand bags at site boundary would be the potential source of muddy water leakage. Remedial action taken according to the investigation report conducted by Contractor: 1. The sand bags were replaced by cement sand mortar which filled the gaps between water-filled barriers along the site boundary to block the leakage point. 2. Additional sedimentation tank has been added to increase buffer for further treatment by the wastewater treatment facility. 3. Concrete ramp was provided at the site entrance to mitigate against potential surface runoff related impact. 4. Specific training for the subcontractor and front-line staff has been provided to enhance their knowledge on the requirements of discharge license. ET recorded WQM exceedance on SS on 06 Sept 2019 and 09 Sept 2019, effectiveness of remedial measures under rainy days requires close monitoring. Regular joint site inspections on 06 &19 September 2019 had observed that wastewater treatment facilities required further improvement particularly in rainy days. ET and IEC recommended contractor to provide proper protection to the nearby gullies like membrane or sandbags. ET reminded Contractor/RSS to inform ET and IEC upon the receipt of environmental complaint to allow timely investigation.	Closed
20200315	15 March 2020	Resident of Hong Wah Court	Slope at Lin Tak Road, Opposite to Hong Wah Court	The complainant, resident of Hong Wah Court, reported to CEDD by email dated on 15 March 2020 that the resident at Hong Wah Court was affected by the noise nuisance from the construction site under Contract NE/2017/03 at Lin Tak Road since the construction activities started for approximately one year especially for the period under the attack of coronavirus-19 recently.	Remedial action taken according to the observations by ET: 1. Noise barriers have been setup along the haul road and working area as much as possible. 2. The head of the drillers and breakers has been wrapped with noise absorption materials during operation.	Closed

Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					3. The contractor has made different combination of group of plants to avoid multiple noisy works operating at the same time. 4. Moveable noise barrier was observed in place for breaking works.	
20200403	3 April 2020	Resident of Hong Wah Court	Slope at Lin Tak Road, Opposite to Hong Wah Court	The complainant, a resident of Hong Wah Court, reported to AECOM through the hotline dated on 3 April 2020 that the resident at Hong Wah Court was affected by the noise nuisance from the construction site under Contract NE/2017/03 at Lin Tak Road. She claimed that the slope cutting works have been carried out from 8:00 to 18:00, which was very annoying and made her anxious especially under the situation that the government called citizen to stay at home avoiding the infection of coronavirus-19. The complaint regarding the construction noise at Lin Tak Road referred by AECOM was received by ET on 7 April 2020. According to the information provided by the contractor, and also reported in EM&A monthly report, that slope works using drill and split method were conducted under contract NE/2017/03 at RIW3 of Lin Tak Road starting from August 2019. Based on the observation of recent monitorings, slope cutting with breaker and driller were the major sources of the construction noise.	Remedial action taken according to the observations by ET: 1. Noise barriers have been setup along the haul road and working area, and only partially covered the works area and plants due to limited site conditions. 2. The head of the drillers and breakers had been wrapped with noise absorption materials during operation.	Closed
20200420	20 April 2020	Resident of Hong Wah Court	Slope at Lin Tak Road, Opposite to Hong Wah Court	The complainant, a resident of Hong Wah Court, reported to AECOM through the hotline dated on 20 April 2020 that the noise level generated from the construction site at the slope of Lin Tak Road reached 80-90 dB consecutively from 8:00 to 18:30 and affecting their health. Moreover, the district councilor has reflected the complaint from resident of Hong Wah Court and query about the implementation of the noise barrier.	Remedial action taken according to the observations by ET: 1. Sequencing of works to avoid the operation of breaker and driller at the same time 2. No remedial action was taken by contractor on improving the setting up of noise barriers for the covering of working area and the plant. 3. No remedial action was taken by contractor on deploying movable noise barrier at drilling works or wrapping noise reductive materials at the head of the driller.	Closed
0200518	18 May 2020	Public	New Clear Water Bay	The complainant reported through the 1823 electronic form dated on 18 May 2020 that silty water was discharged to public road, New Clear Water Bay Road,	Remedial action taken according to the observations by ET:	Closed

Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
			Road from the construction site at the slope under Shun Lee Disciplined Services Quarters	from the construction site at the slope under Shun Lee Disciplined Services Quarters. The complaint concerned on the silty runoff at New Clear Water Bay Road was referred by AECOM to ET on 21 May 2020. According to the information provided by the contractor, silty runoff to public road was due to the damaged pipe at the top of the slope Shun Lee Disciplined Services Quarters, water leaked from the pipe flew along the exposed down slope and became silty.	1. Placing sand bags at the perimeter of the site and the site exit as bunds. 2. Repairing the damaged pipe to stop the water leakage.	
20200525	25 May 2020	Public	New Clear Water Bay Road from the construction site at the slope under Shun Lee Disciplined Services Quarters	The complainant reported through the1823 electronic form dated on 25 May 2020 that silty water was discharged to public road, New Clear Water Bay Road from the construction site at the slope under Shun Lee Disciplined Services Quarters. The complaint concerned on the silty runoff at New Clear Water Bay Road was referred by AECOM to ET on 3 June 2020 respectively. According to the observation and inspection, the silty runoff should be caused by the large volume of water flow through the soil surface of the construction site after heavy rainfall.	Remedial action taken according to the observations by ET: 1. Placing sand bags at the site boundary and the site exit as bunds. 2. Deployed one more set of sedimentation tank and wastewater treatment facilities. 3. Diversion of part of the runoff from the top of the slope to avoid flowing through soil surface.	Closed
202007007	7 July 2020	Resident of Hong Wah Court	Slope at Lin Tak Road, Opposite to Hong Wah Court	The complainant, District Councilor, reported to AECOM through the hotline dated on 7 July 2020 that the resident complaint the construction noise generated from the construction site at the slope of Lin Tak Road was annoying and no mitigation measures for the construction noise was implemented. The complaints regarding the construction noise at Lin Tak Road referred by AECOM was received by ET on 7 July 2020 respectively. According to the information provided by the contractor, and also reported in EM&A monthly report, that slope works using drill and split method were conducted under contract NE/2017/03 at RIW3 of Lin Tak Road starting from August 2019. Based on the observation of recent monitoring, slope cutting with breaker and driller were the major sources of the construction noise.	Remedial action taken according to the observations by ET: 1. Setting up of noise barriers for the covering of working area and the plant was observed since 15 June 2020. 2. Quieter breaker, claimed by the contractor, was observed installed. 3. The plant and working area were covered by noise barrier most of the time during the monitoring and inspections.	Closed

Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
20200718	18 July 2020	Public	Slope at Lin Tak Road, Opposite to Hong Wah Court	The complainant, District Councilor, reported to AECOM through the hotline dated on 18 July 2020 that no water spraying was carried out by contractor during dusty construction works at the slope of Lin Tak Road and fugitive dust was observed and cause dust impact to the complainant's property. The complaints regarding the construction noise at Lin Tak Road referred by AECOM was received by ET on 20 July 2020 respectively. According to the information provided by the contractor, and also reported in EM&A monthly report, that slope works using drill and split method were conducted under contract NE/2017/03 at RIW3 of Lin Tak Road starting from August 2019. Based on the observation of recent monitoring, slope cutting with breaker and driller were the major sources of dust emissions.	Remedial action taken according to the observations by ET: 1. Facilities for water spraying was observed being setup at the slope of Lin Tak Road.	Closed
20200718	18 July 2020	Public	Slope at Lin Tak Road, Opposite to Hong Wah Court	The complainant, District Councilor, reported to AECOM through the hotline dated on 18 July 2020 that the resident of block C complained the construction noise generated from the construction site at the slope of Lin Tak Road was causing noise nuisance. The complaint regarding the construction noise at Lin Tak Road referred by AECOM was received by ET on 20 July 2020. According to the information provided by the contractor, and also reported in EM&A monthly report, that slope works using drill and split method were conducted under contract NE/2017/03 at RIW3 of Lin Tak Road starting from August 2019. Based on the observation of recent monitoring, slope cutting with breaker and driller were the major sources of the construction noise.	Remedial action taken according to the observations by ET: 1. Setting up of noise barriers for the covering of working area and the plant was observed since 15 June 2020. 2. Quieter breaker, claimed by the contractor, was observed installed. 3. The plant and working area were covered by noise barrier in most of the time during noise monitoring and site inspections. 4. Sequencing of works was observed that the driller and breaker were operated alternatively to avoid concurrent noisy works.	Closed
20200724	24 July 2020	Public	New Clear Water Bay Road near Sienna Garden	The complainant, resident of Sienna Garden, reported to AECOM through the hotline dated on 24 July 2020 that the noise generated from the air compressor at the construction site of New Clear Wter Bay Road Road was annoying.	Remedial action taken according to the observation during inspection conducted by ET: 1. Setting up of noise barriers for screening up the air compressor was observed since 30 July 2020.	Closed

Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
				The complaints regarding the construction noise at New Clear Water Bay Road referred by AECOM was received by ET on 27 July 2020 respectively. According to the observation on-site and information provided by the contractor, piling work was conducting near Sienna Garden at New Clear Water Bay Road.		
20200729	29 July 2020	Public	Slope at Lin Tak Road, Opposite to Hong Wah Court	The complainant, Resident of Hong Wah Court, reported to AECOM through the hotline dated on 29 July 2020 that the construction noise generated from the construction site at the slope of Lin Tak Road was causing noise nuisance to upper level of the building and the phone call of the complainant was influenced. The complaint regarding the construction noise at Lin Tak Road referred by AECOM was received by ET on 30 July 2020. According to the information provided by the contractor, and also reported in EM&A monthly report, that slope works using drill and split method were conducted under contract NE/2017/03 at RIW3 of Lin Tak Road starting from August 2019. Based on the observation of recent monitoring, slope cutting with breaker and driller were the major sources of the construction noise.	Remedial action taken according to the observations by ET: 1. Setting up of noise barriers for the covering of working area and the plant was observed since 15 June 2020. 2. Quieter breaker, claimed by the contractor, was observed installed. 3. The plant and working area were covered by noise barrier in most of the time during noise monitoring and site inspections. 4. Sequencing of works was observed that the driller and breaker were operated alternatively to avoid concurrent noisy works.	Closed
20200825	25 August 2020	Public	New Clear Water Bay Road near Choi Wan Estate	The complainant reported to 1823 online dated on 25 August 2020 that the construction noise generated from the construction site at New Clear Water Bay Road adjacent to Choi Wan Estate was causing noise nuisance to complainant's apartment. Construction activities starting from 8:30 to dusk and even on Sunday. The construction activities have been conducted for a year especially for drilling works. The complainant has measured the construction noise with mobile app and obtained 64dB in average for one driller. The complainant said the condition was worse when two to three drillers operated at the same time. The complainant asked the completion date of the construction works and whether the construction noise would affect the health of people as the complainant was seriously influenced by the noise and causing insomnia.	Remedial action taken according to the observations by ET: No further mitigation measure for construction noise was implemented at the moment as no drilling works were observed recently.	Closed

Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
				The complaint regarding the construction noise at New Clear Water Bay Road referred by CEDD and AECOM was received by ET on 30 August 2020. According to the information provided by the contractor, and also reported in EM&A monthly report, that ELS to RW pile cap and construct RW footing were the major construction works conducted under contract NE/2017/03 at the photo record provided by the complaint at RIW1 near New Clear Water Bay Road adjacent to Choi Wan Estate starting from June 2020 to August 2020. Based on the observation of recent monitoring, excavation, grouting, welding and loading and unloading of materials were the major sources of the construction noise. Pre-drilling works have been conducted at the section near New Clear Water Bay Road adjacent to the Shun Lee Disciplined Services Quarters which is distance from the area that the complainant mentioned.		
20200831	31 August 2020	Public	Slope at Lin Tak Road, Opposite to Hong Wah Court	The complainant, Resident of Hong Wah Court, reported to AECOM through the hotline dated on 31 August 2020 that the construction noise generated from the construction site at the slope of Lin Tak Road was causing noise nuisance and also causing air quality impact. The complaint regarding the construction noise at Lin Tak Road referred by AECOM was received by ET on 2 September 2020. According to the information provided by the contractor, and also reported in EM&A monthly report, that slope works using drill and split method were conducted under contract NE/2017/03 at RIW3 of Lin Tak Road starting from August 2019. Based on the observation of recent monitoring, slope cutting with breaker and driller were the major sources of the construction noise. Besides, breaking, drilling and loading and unloading of dusty materials were the major sources spreading dust.	Remedial action taken according to the observations by ET: 1. Setting up of noise barriers for the covering of working area and the plant was observed since 15 June 2020. 2. Quieter breaker, claimed by the contractor, was observed installed. 3. The plant and working area were covered by noise barrier in most of the time during noise monitoring and site inspections. 4. Sequencing of works was observed that the driller and breaker were operated alternatively to avoid concurrent noisy works. 5. Water spraying for breaking works was observed.	Closed
20200925_1	25 Sep 2020	Public	Slope at Lin Tak Road, opposite to	The complainant, district councillor, reported to AECOM through the hotline dated on 25 and 26 September 2020 that the residents from Block B and C have complaint	Remedial action taken according to the observations by ET: 1. The condition of noise barriers was improved on 30	Closed

Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
			Hong Wah Court	the construction noise generated from the construction site at the slope of Lin Tak Road was causing noise nuisance and queried about the standard level of construction level and the limit level set for the project. The measurement from the resident reached 107dB. The complaint regarding the construction noise at Lin Tak Road referred by AECOM was received by ET on 28 September 2020. According to the information provided by the contractor, and also reported in EM&A monthly report, that slope works using drill and split method were conducted under contract NE/2017/03 at RIW3 of Lin Tak Road starting from August 2019. Based on the observation of recent monitoring, breaking works and drilling works were the major sources of the construction noise.	September 2020 and extended the coverage on 8 October 2020. 2. Quieter breaker, claimed by the contractor, was observed installed. 3. The plant and working area were covered by noise barrier in most of the time during noise monitoring and site inspections.	
20200925_2	25 Sep 2020	EPD	Slope at Lin Tak Road, opposite to Hong Wah Court	The complainant reported to EPD dated on 25 September 2020 that the contractor did not comply with the commitment of using silent equipment and the noise barriers were not placed properly. The complainant complaint about the equipment generated noise reaching 60dB to 80dB, which has exceeded the limit stated in EIAO. The complainant was also unsatisfied with the improper use of noise barriers, for example, the plant was not covered by noise barrier and the noise barriers were not relocated according to the change in working area. The complaint regarding the construction noise at Lin Tak Road referred by EPD was received by ET on 28 September 2020. According to the information provided by the contractor, and also reported in EM&A monthly report, that slope works using drill and split method were conducted under contract NE/2017/03 at RIW3 of Lin Tak Road starting from August 2019. Based on the observation of recent monitoring, breaking works and drilling works were the major sources of the construction noise.	Remedial action taken according to the observations by ET: 1. The condition of noise barriers was improved on 30 September 2020 and extended the coverage on 8 October 2020. 2. Quieter breaker, claimed by the contractor, was observed installed. 3. The plant and working area were covered by noise barrier in most of the time during noise monitoring and site inspections.	Closed
20200926	26 Sep 2020	EPD	Slope at Lin Tak Road, opposite to Hong Wah Court	The complainant reported to EPD dated on 26 September 2020 that the contractor did not comply with the commitment of paying extra effort in noise blocking and delay the starting time to 10:00 and end at 17:00. The construction noise generated reaching 80dB consecutively from 10:00 to 18:30.	Remedial action taken according to the observations by ET: 1. The condition of noise barriers was improved on 30 September 2020 and extended the coverage on 8 October 2020.	Closed

Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
				The complaint regarding the construction noise at Lin Tak Road referred by EPD was received by ET on 28 September 2020. According to the information provided by the contractor, and also reported in EM&A monthly report, that slope works using drill and split method were conducted under contract NE/2017/03 at RIW3 of Lin Tak Road starting from August 2019. Based on the observation of recent monitoring, breaking works and drilling works were the major sources of the construction noise.	2. Quieter breaker, claimed by the contractor, was observed installed. 3. The plant and working area were covered by noise barrier in most of the time during noise monitoring and site inspections.	
20200927_1	27 Sep 2020	EPD	Slope at Lin Tak Road, opposite to Hong Wah Court	The complainant reported to EPD dated on 27 September 2020 that the contractor did not comply with the commitment of paying extra effort in noise blocking and delay the starting time to 10:00 and end at 17:00. The complaint regarding the construction noise at Lin Tak Road referred by EPD was received by ET on 28 September 2020. According to the information provided by the contractor, and also reported in EM&A monthly report, that slope works using drill and split method were conducted under contract NE/2017/03 at RIW3 of Lin Tak Road starting from August 2019. Based on the observation of recent monitoring, breaking works and drilling works were the major sources of the construction noise.	Remedial action taken according to the observations by ET: 1. The condition of noise barriers was improved on 30 September 2020 and extended the coverage on 8 October 2020. 2. Quieter breaker, claimed by the contractor, was observed installed. 3. The plant and working area were covered by noise barrier in most of the time during noise monitoring and site inspections.	Closed
20200927_2	27 Sep 2020	EPD	Slope at Lin Tak Road, opposite to Hong Wah Court	The complainant reported to EPD dated on 26 September 2020 that the contractor did not comply with the commitment of paying extra effort in noise blocking and delay the starting time to 10:00 and end at 17:00. The construction noise generated reaching 80dB consecutively from 10:00 to 18:30. The complaint regarding the construction noise at Lin Tak Road referred by EPD was received by ET on 28 September 2020. According to the information provided by the contractor, and also reported in EM&A monthly report, that slope works using drill and split method were conducted under contract NE/2017/03 at RIW3 of Lin Tak Road starting from August 2019. Based on the observation of recent monitoring, breaking works and drilling works were the major sources of the construction noise.	Remedial action taken according to the observations by ET: 1. The condition of noise barriers was improved on 30 September 2020 and extended the coverage on 8 October 2020. 2. Quieter breaker, claimed by the contractor, was observed installed. 3. The plant and working area were covered by noise barrier in most of the time during noise monitoring and site inspections.	Closed

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20200928	28 Sep 2020	EPD	Slope at Lin Tak Road, opposite to Hong Wah Court	The complainant reported to EPD dated on 28 September 2020 that the construction noise level was within 50dB to 60dB and was acceptable from May 2020 to 21 September 2020. Starting from 21 September 2020, slope works have moved towards the estate to under 50m in distance. Moreover, the noise barriers were not erected properly by the workers and the construction noise level reached 80dB to 100dB. The restriction due to level difference of the construction site was understood by the considerate area was at relatively flat ground and should have enough space for setting up noise barrier. The contractor should follow the EIAO to minimize the construction noise and comply with the commitment of using quieter method or exploring other methods, hence, the residents do not have to suffer the high construction noise environment, The contractor may consider using quieter breaker and better materials for reducing the construction noise. The complaint regarding the construction noise at Lin Tak Road referred by EPD was received by ET on 28 September 2020. According to the information provided by the contractor, and also reported in EM&A monthly report, that slope works using drill and split method were conducted under contract NE/2017/03 at RIW3 of Lin Tak Road starting from August 2019. Based on the observation of recent monitoring, breaking works and drilling works were the major sources of the construction noise.	Remedial action taken according to the observations by ET: 1. The condition of noise barriers was improved on 30 September 2020 and extended the coverage on 8 October 2020. 2. Quieter breaker, claimed by the contractor, was observed installed. 3. The plant and working area were covered by noise barrier in most of the time during noise monitoring and site inspections.	Closed
20201105	5 Nov 2020	EPD	Slope at Lin Tak Road, Opposite to Hong Wah Court	The complainant, general public, reported to EPD dated on 5 November 2020 that noise nuisance was generated from the construction site of Chun Wo. The complaint regarding the construction noise at Lin Tak Road referred by AECOM was received by ET on 10 November 2020. According to the information provided by the contractor, and also reported in EM&A monthly report, that slope works using drill and split method were conducted under contract NE/2017/03 at RIW3 of Lin Tak Road starting from August 2019. Based on the observation of recent monitoring, breaking works and drilling works were the major sources of the construction noise.	Remedial action taken according to the observations by ET: 1. The plant and working area were covered by noise barrier in most of the time during noise monitoring and site inspections. 2. Noise absorption material was observed installed at the upper level. 3. Additional noise barrier was observed installed at lower level on 9 November 2020. 4. Sequencing of noisy works to be not operating at the same time for most of the time during inspection. 5. Grouping of PME and scheduled working time	Closed

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					have been set by the contractor shown on site.	
20201106	6 Nov 2020	EPD	Slope at Lin Tak Road, Opposite to Hong Wah Court	The complainant, general public, reported to EPD dated on 6 November 2020 that the incident of construction noise from Lin Tak Road have happened for more than two months. The residents at Hong Wah Court have complaint to the contractor, consultant and CEDD as well as the distrct councilor but no improvement was observed and the noise generated were very disturbing. The complaint regarding the construction noise at Lin Tak Road referred by AECOM was received by ET on 10 November 2020. According to the information provided by the contractor, and also reported in EM&A monthly report, that slope works using drill and split method were conducted under contract NE/2017/03 at RIW3 of Lin Tak Road starting from August 2019. Based on the observation of recent monitoring, breaking works and drilling works were the major sources of the construction noise.	Remedial action taken according to the observations by ET: 1. The plant and working area were covered by noise barrier in most of the time during noise monitoring and site inspections. 2. Noise absorption material was observed installed at the upper level since 20 October 2020. 3. Additional noise barrier was observed installed at lower level on 9 November 2020. 4. Sequencing of noisy works to be not operating at the same time for most of the time during inspection. 5. Grouping of PME and scheduled working time have been set by the contractor shown on site.	Closed
20201109	9 Nov 2020	EPD	Slope at Lin Tak Road, Opposite to Hong Wah Court	The complainant, general public, reported to EPD dated on 9 November 2020 that the use of quiet equipment and the noise barriers were not installed properly. The noise generated by the plants using on site have reached 60dB to 80dB and exceeded the limit stated in EIAO. The improper installation of noise barriers was the most unsatisfactory for the resident that the plant always worked beyond the coverage of noise barriers and the noise barriers were not setup according to the working progress. The complaint regarding the construction noise at Lin Tak Road referred by EPD was received by ET on 9 November 2020. According to the information provided by the contractor, and also reported in EM&A monthly report, that slope works using drill and split method were conducted under contract NE/2017/03 at RIW3 of Lin Tak Road starting from August 2019. Based on the observation of recent monitoring, breaking works and drilling works were the major sources of the construction noise.	Remedial action taken according to the observations by ET: 1. The plant and working area were covered by noise barrier in most of the time during noise monitoring and site inspections. 2. Noise absorption material was observed installed at the upper level since 20 October 2020. 3. Additional noise barrier was observed installed at lower level on 9 November 2020. 4. Sequencing of noisy works to be not operating at the same time for most of the time during inspection. 5. Grouping of PME and scheduled working time have been set by the contractor shown on site.	Closed
20201111	11 Nov 2020	EPD	Tseung Kwan O Road near	The complainant reported to EPD that effluent discharge was observed from the construction site of CEDD near	Remedial action taken according to the observations by	Closed

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			Tseung Kwan O Tunnel	the Tseung Kwan O Tunnel dated on 11 November 2020. The incident has been observed for 6 months. The complaint concerned on the effluent discharge at Tseung Kwan O Road was referred by EPD to ET on 16 November 2020. According to the observation and inspection, the incident was caused by the overflow of runoff due to the blockage of gully and no connection of temporary drainage system was observed between the site and the gully at Tseung Kwan O Road and no discharge was observed from the site to the nearby gully.	ET: 1. No remedial action is needed	
20210123	23 Jan 2021	EPD	Slope at Lin Tak Road, Opposite to Hong Wah Court	The complainant, general public, reported to EPD dated on 23 January 2021 that the construction noise was serious and the work period was predicted to be end in 2023 was considered to be long. The complainant has also mentioned the noise barrier was observed but not efficient in noise reduction. The complainant request the contractor to wrap the driller head during drilling works; cover the drilling area entirely by noise barrier till the line of sight of all levels could be blocked; setting up noise monitoring station at different floors at Hong Wah Court; increase number of inspection; setting up limit in length of noisy works in future. The complaint regarding the construction noise at Lin Tak Road referred by EPD was received by ET on 11 February 2021. According to the information provided by the contractor, and also reported in EM&A monthly report, that slope works using drill and split method were conducted under contract NE/2017/03 at RIW3 of Lin Tak Road starting from August 2019. Based on the observation of recent monitoring, drilling works were the major sources of the construction noise.	Remedial action taken according to the observations by ET: 1. The plant and working area were covered by noise barrier in most of the time during noise monitoring and site inspections. 2. Noise absorption material was observed installed at the upper level since 20 October 2020. 3. Additional noise barrier was observed installed at lower level on 9 November 2020. 4. Cantilever was observed at middle level since 12 January 2021. 5. Sequencing of noisy works to be not operating at the same time for most of the time during inspection. 6. Grouping of PME and scheduled working time have been set by the contractor shown on site.	Closed
20210205	05 Feb 2021	Public	Slope at Lin Tak Road, Opposite to Hong Wah Court	The complainant, district councilor, reported to AECOM through project hotline dated on 05 February 2021 that the residents reflected the noise mitigation measures were not efficient, around 70% of time the driller worked outside the noise barriers coverage, making noise.	Remedial action taken according to the observations by ET: 1. The plant and working area were covered by noise barrier in most of the time during noise monitoring and site inspections. 2. Noise absorption material was observed installed	Closed

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				The complaint regarding the construction noise at Lin Tak Road referred by AECOM was received by ET on 05 February 2021. According to the information provided by the contractor, and also reported in EM&A monthly report, that slope works using drill and split method were conducted under contract NE/2017/03 at RIW3 of Lin Tak Road starting from August 2019. Based on the observation of recent monitoring, drilling works were the major sources of the construction noise.	at the upper level since 20 October 2020. 3. Additional noise barrier was observed installed at lower level on 9 November 2020. 4. Cantilever was observed at middle level since 12 January 2021. 5. Sequencing of noisy works to be not operating at the same time for most of the time during inspection. 6. Grouping of PME and scheduled working time have been set by the contractor shown on site.	
20210206	06 Feb 2021	Public	Slope at Lin Tak Road, Opposite to Hong Wah Court	The complainant, resident of Hong Wah Court, reported to AECOM through project hotline dated on 06 February 2021 that the residents reflected that one excavator was in operation from 08:20 and one driller was in operation later from 08:40 on 06 February 2021. The complaint regarding the construction noise at Lin Tak Road referred by AECOM was received by ET on 01 March 2021. According to the information provided by the contractor, and also reported in EM&A monthly report, that slope works using drill and split method were conducted under contract NE/2017/03 at RIW3 of Lin Tak Road starting from August 2019.	Remedial action taken according to the observations by ET: 1. The plant and working area were covered by noise barrier in most of the time during noise monitoring and site inspections. 2. Noise absorption material was observed installed at the upper level since 20 October 2020. 3. Additional noise barrier was observed installed at lower level on 9 November 2020. 4. Cantilever was observed at middle level since 12 January 2021. 5. Sequencing of noisy works to be not operating at the same time for most of the time during inspection. 6. Grouping of PME and scheduled working time have been set by the contractor shown on site.	Closed
20210310	10 Mar 2021	Public	New Clear Water Bay Road near Choi Wan Estate	The complainant reported to 1823 online dated on 10 March 2021 that the construction noise generated from the construction site at New Clear Water Bay Road adjacent to Choi Wan Estate was causing noise nuisance to complainant's apartment. The complaint regarding the construction noise at New	Remedial action taken according to the observations by ET: 1. No further mitigation measure for construction noise was implemented at the moment.	Closed

Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
				Clear Water Bay Road near Choi Wan Estate referred by CEDD and AECOM was received by ET on 15 March 2021. According to the information provided by the contractor, and also reported in EM&A monthly report, that earth works temporary soil nail, form working platform, reinforced concrete works and no-fine concrete construction were the major construction works conducted under contract NE/2017/03 in the past three months at RIW1 near New Clear Water Bay Road. Based on the observation of recent monitoring, excavation and loading and unloading of materials were the major sources of the construction noise.		
210427_1	27 Apr 2021	Public	Clear Water Bay Road, near Sienna Garden block 6	The complainant, resident of No.8 Fei Ha Road, reported to AECOM through the hotline dated on 27 April 2021 that the construction activities were commenced around 7:00 am, making big noise "boom boom" from the construction site under Contract NE/2017/03 at Clear Water Bay Road. Nearby residents were affected by the noise nuisance and the complainant asked Contractor to commence the construction activities after 9:00 am. In addition, the complainant also reflected that the windows need to be closed all the time due to the fugitive dust from the construction works at RIW2. Contractor was required to review and enhance the dust mitigation measures. The complaints regarding the construction noise and dust at Clear Water Bay Road referred by AECOM was received by ET on 27 April 2021. According to the information provided by the contractor, and recent site inspections, that breaking, excavation, and mini-pile works were conducted under contract NE/2017/03 at RIW2 of Clear Water Bay Road. Based on the observation of recent monitoring, breaking and piling were the major noise source.	Remedial action taken according to the observations by ET: 1. Noise barriers have been setup for noise mitigation measure. 2. QPME was observed on site. 3. Work sequence at Clear Water Bay Road near residential estate was re-arranged, piling works will be commenced after 09:00am in order to minimize the nuisance to the residents and commencement time of other site activities will be remained unchanged. 4. Water spraying has been applied and cylindrical tarpaulin was used to enclose the piling area for dust suppression measures.	Closed
210427_2	27 Apr 2021	Public	Clear Water	The complainant, reported to AECOM through the	Remedial action taken according to the observations by	Closed

Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
			Bay Road, near Sienna Garden block 6	hotline dated on 27 April 2021 that they were affected by the noise nuisance from the construction site under Contract NE/2017/03 at Clear Water Bay Road in the early morning. The complaints regarding the construction noise at Clear Water Bay Road referred by AECOM was received by ET on 27 April 2021. According to the information provided by the contractor, and recent site inspections, that breaking, excavation, and mini-pile works were conducted under contract NE/2017/03 at RIW2 of Clear Water Bay Road. Based on the observation of recent monitoring, breaking and piling were the major noise source.	ET: 1. Noise barriers have been setup for noise mitigation measure. 2. QPME was observed on site. 3. Work sequence at Clear Water Bay Road near residential estate was re-arranged, piling works will be commenced after 09:00am in order to minimize the nuisance to the residents and commencement time of other site activities will be remained unchanged.	
210508	08 & 10 May 2021	Public	Clear Water Bay Road, near Sienna Garden block 6	The complainant, resident of No. 8 Fei Ha Road, reported to AECOM through the hotline dated on 08 and 10 May 2021 that they were severely affected by the noise nuisance and fugitive dust from the construction site under Contract NE/2017/03 at Clear Water Bay Road. The complaints regarding the construction noise and fugitive dust at Clear Water Bay Road referred by AECOM was received by ET on 12 May 2021. According to the information provided by the contractor, and recent site inspections, that breaking, excavation, and mini-pile works were conducted under contract NE/2017/03 at RIW2 of Clear Water Bay Road. Based on the observation of recent monitoring, breaking and piling were the major noise source.	Remedial action taken according to the observations by ET: 1. Noise barriers have been setup for noise mitigation measure. 2. QPME was observed on site. 3. Work sequence at Clear Water Bay Road near residential estate was re-arranged, piling works will be commenced after 09:00am in order to minimize the nuisance to the residents and commencement time of other site activities will be remained unchanged. 4. Water spraying has been applied and cylindrical tarpaulin was used to enclose the piling area for dust suppression measures.	Closed

Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
210614	14 June 2021	Public	Slope at Lin Tak Road, Opposite to Hong Wah Court	The complainant, general public, reported to EPD dated on 14 June 2021 that nearby residents were affected by the construction noise generated from the driller in relation to the site area at Lin Tak Road in the early morning The complaint regarding the construction noise at Lin Tak Road referred by EPD was received by ET on 24 June 2021. According to the information provided by the contractor, and also reported in EM&A monthly report, that slope works using drill and split method were conducted under contract NE/2017/03 at RIW3 of Lin Tak Road starting from August 2019. Based on the observation of recent monitoring, drilling and breaking works were the major sources of the construction noise.	Remedial action taken according to the observations by ET: 1. The plant and working area were covered by noise barrier in most of the time during noise monitoring and site inspections. 2. Noise absorption material was observed installed at the upper level since 20 October 2020. 3. Additional noise barrier was observed installed at lower level on 9 November 2020. 4. Sequencing of noisy works to be not operating at the same time for most of the time during inspection. 5. Grouping of PME and scheduled working time have been set by the contractor shown on site.	Closed
210831	31 August 2021	Public	Slope at Lin Tak Road, Opposite to Hong Wah Court	The complainant, general public, reported to EPD dated on 31 August 2021 that nearby residents were affected by the construction noise generated from the driller in relation to the site area at Lin Tak Road in the morning. The complaint regarding the construction noise at Lin Tak Road referred by EPD was received by ET on 03 September 2021. According to the information provided by the contractor, and also reported in EM&A monthly report, that slope works using drill and split method were conducted under contract NE/2017/03 at RIW3 of Lin Tak Road starting from August 2019. Based on the observation of recent monitoring and construction site diary on August 2021, drilling and rock splitting work were the major sources of the construction noise.	Remedial action taken according to the observations by ET: 4. The plant and working area were covered by noise barrier in most of the time during noise monitoring and site inspections. 5. Noise absorption material was observed installed at the upper level since 20 October 2020. 6. Additional noise barrier was observed installed at lower level on 9 November 2020. 7. Sequencing of noisy works to be not operating at the same time for most of the time during inspection. 8. Grouping of PME and scheduled working time have been set by the contractor shown on site.	Closed

Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
210916	16 September 2021	Public	At New Clear Water Bay Road near Choi Wan Estate	The complainant reported to 1823 online dated on 16 September 2021 that the construction noise generated from the construction site at New Clear Water Bay Road adjacent to Choi Wan Estate was causing noise nuisance to complainant's apartment. Construction activities starting from 8:30 to dusk and even on Sunday. The construction activities have been conducted for a year especially for drilling works. The complainant has measured the construction noise with mobile app and obtained 64dB in average for one driller. The complainant said the condition was worse when two to three drillers operated at the same time. The complainant asked the completion date of the construction works and whether the construction noise would affect the health of people as the complainant was seriously influenced by the noise and causing insomnia. The complaint regarding the construction noise at Lin Tak Road referred by CEDD and AECOM was received by ET on 23 September 2021. According to the information provided by the contractor, and also reported in EM&A monthly report, that ELS to RW pile cap and construct RW footing were the major construction works conducted under contract NE/2017/03 at the photo record provided by the complaint at RIW1 near New Clear Water Bay Road adjacent to Choi Wan Estate. Based on the observation of recent monitoring, excavation, piling, grouting, welding and loading and unloading of materials were the major sources of the construction noise.	Remedial action taken according to the observations by ET: 1. Noisy equipment such as rock breakers were installed with noise barrier and absorptive material during operation. 2. QPMEs and site activities rescheduling have been installed and planned by the contractor as mitigation measures.	Closed

Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
210930	30 September 2021	Public	Slope at Lin Tak Road, Opposite to Hong Wah Court	The complainant, reported to AECOM through project hotline dated on 30 September 2021 that the residents reflected that the construction noise generated from the construction site at the slope of Lin Tak Road causing large noise nuisance from 8 am to 6 pm during working days. The complaint regarding the construction noise at Lin Tak Road referred by AECOM was received by ET on 30 September 2021. According to the information provided by the contractor, and also reported in EM&A monthly report, that slope works using drill and split method were conducted under contract NE/2017/03 at RIW3 of Lin Tak Road starting from August 2019.	Remedial action taken according to the observations by ET: 1. The plant and working area were covered by noise barrier in most of the time during noise monitoring and site inspections. 2. Noise absorption material was observed installed at the upper level since 20 October 2020. 3. Additional noise barrier was observed installed at lower level on 9 November 2020. 4. Cantilever was observed at middle level since 12 January 2021. 5. Sequencing of noisy works to be not operating at the same time for most of the time during inspection. 6. Grouping of PME and scheduled working time have been set by the contractor shown on site.	Closed
211013	13 October 2021	Public	Slope at Lin Tak Road	The complainant reported through Project hotline that muddy runoff was observed from the construction site of CEDD near Lin Tak Road dated on 13 October 2021. The complaint concerned on the muddy runoff at Lin Tak Road was referred by RSS to ET on 18 October 2021. According to the observation and inspection, muddy runoff was caused by the adverse weather, Amber Rainstorm Warning Signal and Strong Wind Signal no.8 came into force on 13 October 2021. Heavy rainfall flowed down the slope and became muddy.	Remedial action taken according to the observations by ET: The Contractor has reinforced the bundings in the site area to prevent any potential muddy runoff from leaking outside the site area.	Closed

Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
220214	14 February 2022	Public	New Clear Water Bay Road, near the Shun Lee Disciplined Services Quarters	The complainant reported to 1823 hotline on 14 February 2022 regarding construction noise and air pollution generated from the RIW2 construction sites. The case was referred to the ET on 4 March 2022. According to the Contractor's information, erection of formwork, piling excavation, sheet piling and grouting were conducted at RIW2 during February 2022. According to the monitoring records and inspections, there were no noise and air quality exceedances recorded at the monitoring stations at RIW2 during January, February and March 2022. Noise barriers around PMEs and water spraying as dust suppression were observed to be implemented by the Contractor.	Remedial actions to the Contractor as recommended by ET: 1. Turn off any noisy equipment in idle. 2. Provide regular water spraying in the site area during dry period.	Closed
220801	1 August 2022	EPD	New Clear Water Bay Road, near the Shun Lee Disciplined Services Quarters	The complainant has contacted EPD before August 2022 who noticed a 24 hour low frequency mechanical noise such as grouting noise and drilling noise emanating from the construction site (RIW1) at New Clear Water Bay Road since early June 2022. The case was referred to the ET on 1 August 2022. According to Contractor's information, pilling works were being conducted at RIW1 during day times in this time period. No major works with PMEs were scheduled between 19:00 and 07:00. No recent CNP was applied to the complained section of the site area.	Remedial actions to the Contractor as recommended by ET: 1. Turn off any PMEs after 19:00 on each working days. Inspections should be conducted by the Contractor to ensure compliances.	Closed
221010	10 October 2022	Public	Slope at Lin Tak Road, Opposite to Hong Wah Court	The complainant, resident of Hong Wah Court, reported to AECOM through project hotline on 10 October 2022 regarding the inadequate noise barrier for the rock breaker at Slope D3 during its operation at 8:40am, 8 Oct 2022 and 10:05am, 10 Oct 2022. According to Contractor's and complainant's information, rock breaking works were being conducted at Slope D3 during this time period. Noise barrier was presented at the slope near the breaker but was considered to be inadequate.	The complaint is considered to be project related. Remedial actions to the Contractor as recommended by ET: 1. Grouping of the PMEs and works schedule should be further reviewed to reduce the noise impact to the residents. The Contractor should provide the works schedule and notifications at the site entrance. 2. Additional noise barriers should be provided around the rock breaker by the Contractor to mitigate the noise impact.	Closed

Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
221014	14 October 2022	Public	Slope at Lin Tak Road, Opposite to Hing Tin Estate	The complainant, resident of Hing Tin Estate, reported to AECOM through project hotline on 14 October 2022 regarding the inadequate noise barrier for the rock breaker at Slope D4 during its operation at 10:15am, 14 Oct 2022. According to Contractor's and complainant's information, rock breaking works were being conducted at Slope D4 during this time period. Noise barrier was presented at the slope near the breaker but was considered to be inadequate.	The complaint is considered to be project related. Remedial actions to the Contractor as recommended by ET: 1. Grouping of the PMEs and works schedule should be further reviewed to reduce the noise impact to the residents. The Contractor should provide the works schedule and notifications at the site entrance. 2. Additional noise barriers should be provided around the rock breaker by the Contractor to mitigate the noise impact.	Closed
230210	10 February 2023	EPD	Slope D3 at Lin Tak Road	The complainant, resident of Hong Wah Court, contacted EPD in February 2023 regarding the inadequate noise barrier for the rock breaker at Slope D3 during its operation in day time. The case was referred to the ET on 15 March 2023. According to Contractor's and complainant's information, rock breaking works were being conducted at Slope D3 during this time period. Noise barrier was presented at the slope near the breaker but was considered to be inadequate.	The complaint is considered to be project related. Additional noise monitoring were subsequently conducted by the ET to ensure compliance of the construction noise level in this works area. Remedial actions to the Contractor as recommended by ET: 1. Grouping of the PMEs and works schedule should be further reviewed to reduce the noise impact to the residents. The Contractor should reduce the amount of PMEs working at the same time to reduce the impact. 2. Additional noise barriers were provided around the rock breaker by the Contractor to mitigate the noise impact.	Closed
230311	11 March 2023	Public	Slope D3 at Lin Tak Road	The complainant, resident of Hong Wah Court, reported to AECOM through project hotline on 11 March 2023 regarding the inadequate noise barrier for the rock breaker at Slope D3 during its operation at 9:00am, 11 March 2023. According to Contractor's and complainant's information, rock breaking works were being conducted at Slope D3 during this time period. Noise barrier was presented at the slope near the breaker but was considered to be inadequate.	The complaint is considered to be project related. Additional noise monitoring were subsequently conducted by the ET to ensure compliance of the construction noise level in this works area. Remedial actions to the Contractor as recommended by ET: 1. Grouping of the PMEs and works schedule should be further reviewed to reduce the noise impact to the residents. The Contractor should reduce the amount of PMEs working at the same time to reduce the	Closed

Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					impact. 2. Additional noise barriers were provided around the rock breaker by the Contractor to mitigate the noise impact.	
230320	20 March 2023	Public	Near New Clear Water Bay Road	The complainant reported to DR through project hotline on 20 March 2023 regarding the noise of the construction works from the site RIW1 at New Clear Water Bay Road in the morning. According to Contractor's information, pilling works were being conducted at RIW1 during this time period. Noise level exceedance was not recorded in this works area for the past year.	The complaint is considered to be project related. Additional noise monitoring were subsequently conducted by the ET to ensure compliance of the construction noise level in this works area. Remedial actions to the Contractor as recommended by ET: 1. Grouping of the PMEs and works schedule should be further reviewed to reduce the noise impact to the residents. The Contractor should reduce the amount of PMEs working at the same time to reduce the impact. 2. Additional noise barriers should be provided around the PMEs by the Contractor to mitigate the noise impact.	Closed
240105	5 January 2024	Public	Slope D3 at Lin Tak Road	The complainant, resident of Hong Wah Court, reported to ER through 1823 hotline regarding the excessive noise from the site area at Slope D3 during construction between 8:00 and 18:00 on 5 January 2024. According to site observations and complainant's information, rock breaking and slope drilling works were being conducted at Slope D3 during this time period. Noise barrier was presented at the slope near the breaker but was considered to be inadequate and require further review for improvement.	The complaint is considered to be project related. While further noise exceedances were not recorded in the area, remedial actions are recommended by ET to the Contractor to improve the mitigation measures: 1. Grouping of the PMEs and works schedule should be further reviewed to reduce the noise impact to the residents. The Contractor should reduce the amount of PMEs working at the same time to reduce the impact. 2. Additional noise barriers shall be installed around the breakers by the Contractor to mitigate the noise impact.	Closed
240127	27 January 2024	Public	Slope D3 at Lin Tak Road	The complainant, resident of Hong Wah Court, reported to ER through project hotline, stating that noisy construction works had begun in the site area at Slope D3 at 8:30am on 27 January 2024. According to complainant's information, rock sorting works via excavator were being conducted at Slope D3 at the time.	The complaint is considered to be project related. While the major noise generated construction works of rock breaking and drilling were not conducted at the time of the complaint. The Contractor should nevertheless review the work schedule of the Project to suit the nearby residents in order to avoid any noise nuisance.	Closed
240127	9 February	EPD	Lin Tak Road,	The complainant reported to EPD that the site area at	The contractor has provided a temporary drainage	Closed

Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
	2024		Hing Tin Estate	Lin Tak Road near Hing Tin Estate had leakage of waste water. Based on complainant's information, the area of concern is Slope D4 at Site RIW3. During ET's regular site inspection, no potential source of construction waste water discharge was observed from this area. Therefore, it's likely that surface runoff occurred during rainstorm could be the source of any potential waste water.	channel along the site boundary to divert the surface runoff within the site towards the waste water treatment tank prior to the discharge of public drainage system. Further repair works on the drainage channel was conducted and completed on 3 February 2024. No further leakage of waste water was observed from the site area. Regular site inspections shall be conducted to ensure no waste water leakage would be occurred.	
240424a	24 April 2024	EPD	Lin Tak Road	The complainant reported to EPD that the site area at Lin Tak Road had excessive construction noise during late April 2024. According to complainant's information, rock sorting works via excavator were being conducted at Slope D3 at the time.	The complaint is considered to be project related. While further noise exceedances were not recorded in the area, remedial actions are recommended by ET to the Contractor to improve the mitigation measures: 1. Grouping of the PMEs and works schedule should be further reviewed to reduce the noise impact to the residents. The Contractor should reduce the amount of PMEs working at the same time to reduce the impact. 2. Additional noise barriers shall be installed around the breakers by the Contractor to mitigate the noise impact.	Closed
240424b	24 April 2024	EPD	Lin Tak Road	The complainant reported to EPD that the site area at Lin Tak Road had leakage of waste water during late April 2024. During ET's regular site inspection, no potential source of construction waste water discharge was observed from this area. Therefore, it's likely that surface runoff occurred during rainstorm could be the source of any potential waste water.	The contractor has provided a temporary drainage channel along the site boundary to divert the surface runoff within the site towards the waste water treatment tank prior to the discharge of public drainage system. Further repair works on the drainage channel and water barrier inspection were conducted on 29 April 2024. No leakage of waste water was observed from the site area. Regular site inspections shall be conducted to ensure no waste water leakage would be occurred.	Closed
240522	22 May 2024	EPD	Lin Tak Road	The complainant, resident of Hong Wah Court, reported to EPD regarding the excessive noise from the opposite site area constructing bridge. According to Contractor's information, drilling and breaking works were being conducted during this time period.	The complaint is considered to be project related. While further noise exceedances were not recorded in the area, remedial actions are recommended by ET to the Contractor to improve the mitigation measures: 1. Grouping of the PMEs and works schedule should be further reviewed to reduce the noise impact to the residents. The Contractor should reduce the amount of PMEs working at the same time to reduce the impact. 2. Additional noise barriers shall be installed around	Closed

Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					the drilling machine/ breakers by the Contractor to mitigate the noise impact.	
240613	13 June 2024	EPD	Lin Tak Road	EPD received several public complaints on the adverse construction noise emanating from the subject construction site at Lin Tak Road during non-restricted hours, and expressed concern that the noisy construction works, especially the rock breaking and excavation works, have persisted for a long time which affected their daily life. Moreover, some of the complainants voiced out that (1) noise barriers / noise insulation sheets were not positioned effectively to screen-off the breaking works location and other noisy works area, and (2) although additional noise screening structures will be put up nearer to Power Mechanical Equipment (PME) and works location after lodging complaints, these additional screening structures would usually be removed shortly. According to Contractor's information, drilling, breaking works, excavation and loading of inert material and site hoarding modification work were being conducted during this time period.	The complaint is considered to be project related. Remedial actions are recommended by ET to the Contractor to improve the mitigation measures: 1. Grouping of the PMEs and works schedule should be further reviewed to reduce the noise impact to the residents. The Contractor should reduce the amount of PMEs working at the same time to reduce the impact. 2. Additional noise barriers shall be installed around the drilling machine/ breakers and positioned effectively to screen-off the construction noise by the Contractor to mitigate the noise impact.	Closed
240702	2 July 2024	EPD	Lin Tak Road	EPD received complaint for non-restricted hour construction noise in relation to the construction site area at Lin Tak Road. The complainant has explicitly highlighted the extraneous noise from a malfunctioning splitter used during rock breaking.	The complaint is considered to be project related. Site check was conducted and no malfunctioning of machines was observed. No splitter was applied on site. Remedial actions are recommended by ET to the Contractor to improve the mitigation measures: Grouping of the PMEs and works schedule should be further reviewed to reduce the noise impact to the residents. The Contractor should reduce the amount of PMEs working at the same time to reduce the impact.	Closed
240925	25 September 2024	EPD	Lin Tak Road	EPD received several public complaints regarding non-restricted hour construction noise emanating from Construction Site at Lin Tak Road. Some complainants mentioned that (i) rock breaking activities by breakers caused adverse noise impact, in particular in early morning, and, (ii) noise barriers / noise insulation sheets were not positioned effectively to screen-off the breaking works location and machineries.	The complaint is considered to be project related. The contractor reported that breaking works have been started after 0900 am. Remedial actions are recommended by ET to the Contractor to improve the mitigation measures: 1. Grouping of the PMEs and works schedule should be further reviewed to reduce the noise impact to the residents. The Contractor should reduce the amount of PMEs working at the same time to	Closed

Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					reduce the impact. 2. Noise barriers shall be positioned near to breaking/ drilling works location and PMEs to effectively screen-off noise to nearby residential buildings. 3. Breaker tips of beakers shall be positioned properly at rock surface during breaking works to avoid slipping from rock surface and result in adverse noise nuisance.	
20241217	17 December 2024	EPD	Lin Tak Road	EPD received a complaint for construction dust control measures in relation to the construction site area at Lin Tak Road. The complainant expressed that there were no measures for reducing dust emission at Lin Tak Road near Hong Wah Court.	Site check was conducted and the following mitigation measures were provided on site to control dust emission: 1. Stockpiles of dusty materials were covered or water sprayed. 2. Exposed haul road was hard paved, surface compacted or water sprayed. 3. Wheel washing of vehicles was provided before leaving site Remedial action is recommended by ET to the Contractor to improve the mitigation measures: 1. Provide water spraying for dusty activities including breaking or drilling works.	Closed
20250812	12 August 2025	EPD	Lin Tak Road	EPD received several public complaints regarding day-time construction noise emanating from Construction Site at Lin Tak Road. Some complainants mentioned that use of heavy machines have caused adverse noise impact. A few complainants complained that insufficient noise reduction measures are provided and highlighted that the current extent of noise barriers could only protect lower floors of nearby residential buildings.	The complaint is considered to be project related. Site check was conducted and the following measures were observed to be provided by the contractor: 1. Noise barriers were provided between the active work area and the NSR. 2. Breaker head and drilling rig were wrapped with noise absorptive materials. 3. QPME were deployed on site. The following measures will be provided by the contractor: 1. Higher noise barrier will be further extended along the boundary of works area (i.e. Lin Tak Road). 2. Additional training sessions will be conducted and the frequency of supervision enhanced to prevent malpractice by workers. Remedial actions are recommended by ET to the	Closed

Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					Contractor to improve the mitigation measures: 1. Grouping of the PMEs and works schedule should be further reviewed to reduce the noise impact to the residents. The Contractor should reduce the amount of PMEs working at the same time to reduce the impact. 2. The noisy operation part of the drilling rig should be wrapped with noise absorptive materials properly.	
20251002	2 October 2025	Public and CEDD	Lin Tak Road	The complainant emailed to CEDD regarding the concerns on the construction activities at hillside near Lin Tak Road. The complainant expressed that the hillside works involving quarry activities and quarry equipments being used has been and being "too closely" to the 37 storeys tall premises, namely Yee Hong House and the noise level "has been excessive" and "being excessive" concerning with support of complaints, witnesses, findings, evidence record. The complainant also expressed that the 3m high noise barrier, and other measures are either "unproven" or "ineffective" noise control measures at site.	Email was sent by CEDD to the complainant and explained that 1. Environmental Permit (EP) was obtained for the subject road improvement works with the approved EIA report that the environmental impact could be controlled after the implementation of the mitigation measures. 2. Given the site area is in the close vicinity of the residential area and hillside area is highly exposed to high wind condition, Project Team has been working closely with the ET, IEC and noise specialist to minimize the noise impact to nearby residents since the commencement of the project in 2018. Various options of noise mitigation measures, such as magnetic tuned mass dampers, inflatable type noise barrier, silent-up noise barrier were studied. To suit the site specific constraints, magnetic tuned mass dampers to breaker and silent-up noise barriers has installed on the site boundary. In addition, the works period is restricted from 9:00am to 7:00pm. Noise measurement was taken on site and the noise level was reduced. 3. Exploring with noise specialist is being in the pipeline to study the practicability of applying new materials to surround the breaking machines in the subject site area. A site trial will be carry out to review the performance of this measure. 4. Noise barriers were provided between the active work area and the NSR Site check was conducted and the following measures were observed to be provided by the contractor: 1. Noise barriers were provided between the active	Closed

Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					work area and the NSR. 2. Breaker head and drilling rig were wrapped with noise absorptive materials. The contractor also reported that the works sequences and operation time of plants on-site were scheduled to minimize the noise. ET reminded the contractor to maintain the noise mitigation measures on site.	
20251125	25 November 2025	Public and Private Secretary to the Chief Executive	Lin Tak Road	The complainant emailed to Office of Chief Executive and Chief Secretary regarding the concerns on the construction activities at hillside near Lin Tak Road. The complainant complained about the unlawful acts of civil service causing to: (a) public nuisance; (b) damages and adversely affecting the nearby public structures of buildings, overpass, ground surface and underground infrastructures, watercourse systems, etc.	Site check was conducted and the following measures were observed to be provided by the contractor: 1. Noise barriers were provided between the active work area and the NSR. 2. Breaker head and drilling rig were wrapped with noise absorptive materials. The contractor also reported the following measures were provided on site: 1. The works sequences and operation time of plants on-site were scheduled to minimize the noise. 2. Magnetic Dampers and noise insulating material provided for plants. 3. Splitters were used as far as practicable ET reminded the contractor to maintain the noise mitigation measures on site. No limit level exceedance recorded for noise monitoring at NMC-05 after the implementation of the above-mentioned mitigation measures.	Closed

Appendix 9.1

Construction Programme of Individual Contracts

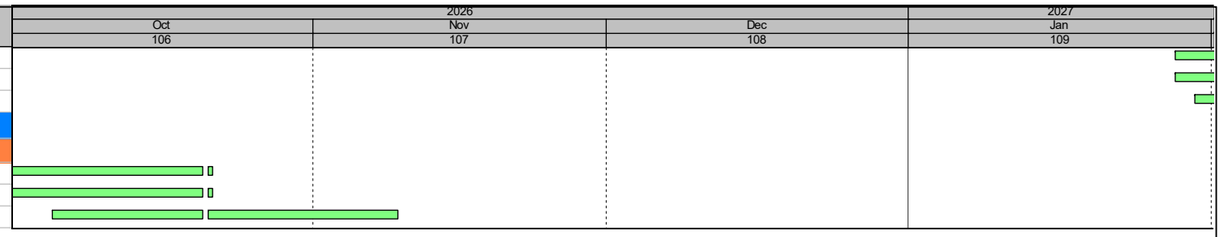
Activity ID	Activity Name	Duration	Start	Finish
NE2017/03 - ARQ PHASE 2A - Monthly Programme Update (202610)-0 _261021		402	19-Nov-2025 A	06-May-2027
Road Improvement Works Location 1 (RIW1)		163	12-Aug-2026 A	27-Feb-2027
Construction Works		163	12-Aug-2026 A	27-Feb-2027
CON118941	(NCE536) TTA application & Removal of concrete infill between concrete conn	60	12-Aug-2026 A	23-Oct-2026
CON11370	Construct NB RC tie beam / wall (CT5-PC1 ~ CT5-PC3)	30	14-Sep-2026 A	21-Oct-2026
CON105221	(NCE538) Provision of Berm Railing at RWC2 Bay 46-58	60	20-Oct-2026 A	30-Dec-2026
CON11890	(NCE453) Drainage, utilities works, backfilling & road paving (East Bound, 5nr	60	21-Oct-2026	31-Dec-2026
CON12050	Erect steel column (FE1-F1b ~ FE1-F7b)	48	06-Nov-2026	04-Jan-2027
CON12010	Drainage, utilities works, backfilling & road paving (FE1-PC1b ~ FE1-PC2b)	36	06-Nov-2026	17-Dec-2026
CON120101	(PMI1113) Civil provision works for additional lighting at FE1	36	06-Nov-2026	17-Dec-2026
CON11390	Drainage, utilities works, backfilling & road paving (CT5, 4nr MH & 3 bays conc	30	09-Nov-2026	12-Dec-2026
CON11410	Erect steel column (CT5-PC1 ~ CT5-PC3)	36	16-Nov-2026	29-Dec-2026
CON12070	Erect roof steel beam (FE1 remaining)	44	02-Jan-2027	25-Feb-2027
CON12090	Erect panel (CT5, FE1 remaining & CT6 remaining)	44	05-Jan-2027	27-Feb-2027
Road Improvement Works Location 2 (RIW2)		108	08-Oct-2026 A	18-Feb-2027
Construction Noise Semi-Enclosure SE2 (Portion C)		108	08-Oct-2026 A	18-Feb-2027
CON22330	Erect vertical panel (phase 1: CT4, SE2 Bay4 to Bay12)	22	08-Oct-2026 A	03-Nov-2026
CON22370	Erect roof steel beam (SE2 PC1 to PC4)	22	08-Oct-2026 A	03-Nov-2026
CON22530	Erect vertical panel (phase 2: SE2 Bay13 to Bay21)	22	08-Oct-2026 A	03-Nov-2026
CON22990	Installation of cable containment (SE2 PC5 to PC6)	18	08-Oct-2026 A	29-Oct-2026
CON22590	Road lighting, irrigation system & utilities works	30	12-Oct-2026 A	16-Nov-2026
CON22690	Construct hard landscape works at Portion C	90	30-Oct-2026	18-Feb-2027
CON23150	Installation of lighting (SE2 PC5 to PC6)	18	30-Oct-2026	19-Nov-2026
CON22650	Construct baffle wall @on sau road	60	17-Nov-2026	28-Jan-2027
CON22390	Erect vertical panel (SE2 PC1 to PC4)	22	21-Nov-2026	16-Dec-2026
CON22410	Erect roof panel (SE2 PC1 to PC4)	22	17-Dec-2026	14-Jan-2027
CON22970	Installation of cable containment (SE2 PC1 to PC4)	18	15-Jan-2027	04-Feb-2027
Road Improvement Works Location 3 (RIW3)		402	19-Nov-2025 A	06-May-2027
Construction Works		342	19-Nov-2025 A	19-Feb-2027
CON65210	(NCE467) Design review for new alignment	60	19-Nov-2025 A	30-Oct-2026
CON65230	(NCE467) Road works (Slip Road 4) (Night works)	90	31-Oct-2026	19-Feb-2027
(CE No. 595) Acceleration for Works in RIW3		300	02-May-2026 A	06-May-2027
CON61130	Rock excavation to berm 1 (the highest berm) (upto CH200)	220	02-May-2026 A	23-Jan-2027
CON61150	Rock excavation to berm 2 (the middle upper berm) (upto CH210)	220	02-May-2026 A	23-Jan-2027
CON61170	Rock excavation to berm 3 (the middle lower berm) (upto CH220)	220	02-May-2026 A	23-Jan-2027
CON61190	Rock excavation to berm 4 (the lowest berm) (upto CH230) (CH230 to CH31(	220	02-May-2026 A	23-Jan-2027
CON389903	(NCE542) Preparation, design, subletting & works submission	51	31-Jul-2026 A	03-Nov-2026
CON65390	(NCE525) Additional rock mapping works at slope D1	60	19-Aug-2026 A	30-Oct-2026
CON609321	(NCE533) Design review of NB Fdn conflicts with the existing saltwater main, c	90	26-Aug-2026 A	11-Dec-2026
CON609323	(NCE533) Suspend fabrication of the NB for SE1 & CT1 pending finalisation of	90	26-Aug-2026 A	11-Dec-2026
CON63630	ELS & excavation & rock breaking & formation preparation for footing (RS-B)	36	07-Sep-2026 A	27-Oct-2026
CON636281	(NCE547) Unchart utilities found & diversion	40	07-Sep-2026 A	26-Oct-2026
CON616903	(NCE548) TTA application & trial pit	30	25-Sep-2026 A	31-Oct-2026
CON62150	Backfilling (rock fill+general fill) (Abt B)	10	14-Oct-2026 A	26-Oct-2026
CON34850	Breaking & welding of mini pile head (F1-AbtA)	26	06-Nov-2026	05-Dec-2026
CON36490	Construction of 1st segment (SMP side)	11	07-Nov-2026	19-Nov-2026
CON37470	Construction of 1st segment (SMP side)	12	07-Nov-2026	20-Nov-2026
CON389907	(NCE542) ELS works for CLP cables pit	15	13-Nov-2026	30-Nov-2026
CON622301	(NCE534) Addition duration for revised alignment of parapet wall	18	16-Nov-2026	05-Dec-2026
CON36550	Construction of 1st segment (LTRd side)	13	23-Nov-2026	07-Dec-2026
CON37530	Construction of 1st segment (LTRd side)	12	27-Nov-2026	10-Dec-2026
CON389909	(NCE542) Backfilling works for CLP cables pit	15	01-Dec-2026	17-Dec-2026
CON34890	Pilecap formwork & re-bar (F1-AbtA)	12	08-Dec-2026	21-Dec-2026
CON36610	Construction of 2nd segment (SMP side)	13	11-Dec-2026	28-Dec-2026
CON36630	Construction of 2nd segment (LTRd side)	13	12-Dec-2026	29-Dec-2026
CON37590	Construction of 2nd segment (SMP side)	12	15-Dec-2026	30-Dec-2026
CON37610	Construction of 2nd segment (LTRd side)	12	17-Dec-2026	02-Jan-2027
CON63150	Falsework Scaffolding for end span (F1-4 to Abt B)	18	18-Dec-2026	11-Jan-2027
CON36710	Construction of 3rd segment (SMP side)	13	05-Jan-2027	19-Jan-2027
CON61270	DN225 Drainage + Gullies (LTR)	96	06-Jan-2027	06-May-2027
CON36730	Construction of 3rd segment (LTRd side)	13	06-Jan-2027	20-Jan-2027
CON37690	Construction of 3rd segment (SMP side)	12	08-Jan-2027	21-Jan-2027
CON37710	Construction of 3rd segment (LTRd side)	12	09-Jan-2027	22-Jan-2027
CON64010	ELS & excavation & rock breaking & formation preparation for footing (RS-B)	12	25-Jan-2027	10-Feb-2027
CON37810	Construction of Stitch segment to Span F1-1 (SMP side)	12	27-Jan-2027	12-Feb-2027



Actual Work
Remaining Work
Milestone

NE/2017/03 Development of Anderson Road Quarry Site - Investigation Design & Construction
Development of Anderson Road Quarry Site Road - Improvement Works & Pedestrian Connectivity Facilities Works Phase 2A
3-Month Rolling Programme

Activity ID	Activity Name	Duration	Start	Finish
CON38670	Stem Wall re-bar fixing bay 3,5,7 at both side (RS-A)	12	28-Jan-2027	13-Feb-2027
CON36790	Construction of Stitch segment to Span F1-2 (LTRd side)	13	28-Jan-2027	15-Feb-2027
CON63230	1st pour Rebar fixing & cast-in (F1-4 to Abt B)	12	30-Jan-2027	16-Feb-2027
Pedestrian Connectivity Facility System B (SYB)		134	06-Jul-2026 A	09-Nov-2026
Construction Works		134	06-Jul-2026 A	09-Nov-2026
CON51594	(PMI652) (CE824) (PMI732) Remaining watermain works near pile cap SYB-F	90	06-Jul-2026 A	21-Oct-2026
CON51604	Reinstatement works along On Sau Road (Stage 2)	90	06-Jul-2026 A	21-Oct-2026
CON516065	(NCE530) Construct additional u-channel cover & wall at Slope B2	30	05-Oct-2026 A	09-Nov-2026



Actual Work
Remaining Work
Milestone

NE/2017/03 Development of Anderson Road Quarry Site - Investigation Design & Construction
Development of Anderson Road Quarry Site Road - Improvement Works & Pedestrian Connectivity Facilities Works Phase 2A
3-Month Rolling Programme