North East New Territories (NENT) Landfill Extension

Monthly Environmental Monitoring and Audit Report (No. 31) – June 2025

2025-07-14

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Our Ref.: CL/91823/2732-VES
Date: 15 July 2025

By Email

Veolia Hong Kong Holding Limited
40/F, One Taikoo Place
979 King's Road
Quarry Bay
Hong Kong

Attn.: Mr. Colin Mitchell

Dear Sir

Re: Contract No. EP/SP/77/15
North-East New Territories Landfill Extension (NENTX)
Monthly Environmental Monitoring and Audit Report (No.31) – June 2025

I refer to Condition 3.3 under Environmental Permit No. EP-292/2007 and Further Environmental Permit No. FEP-02/292/2007, regarding the submission of a monthly Environmental Monitoring and Audit report. I hereby verify the captioned "Monthly Environmental Monitoring and Audit Report (No.31) – June 2025" dated 15 July 2025.

Should you have any queries, please do not hesitate to contact the undersigned at 2859 5409.

Yours faithfully
MEINHARDT INFRASTRUCTURE AND ENVIRONMENT LTD

Claudine Lee
Independent Environmental Checker

Aurecon Hong Kong Limited
Unit 1608, 16/F, Tower B,
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Ref: P521530-0000-REP-NN-0109

By Email

15 July 2025

Meinhardt Infrastructure & Environment Ltd.
10/F Genesis
33-35 Wong Chuk Hand Road
Hong Kong

Attn: Ms. Claudine Lee,

Dear Claudine,

Re: Contract No. EP/SP/77/15
Northeast New Territories Landfill Extension
Submission of Monthly Environmental Monitoring and Audit Report (No.31) – June 2025 R2

In accordance with the requirement specified in Condition 3.3 of Environmental Permit No. EP-292/2007 and Further Environmental Permit No. FEP-02/292/2007, we are pleased to submit the certified "Monthly Environmental Monitoring and Audit Report (No.31) – Jun 2025 R2" dated 15 July 2025 for your verification.

Should you require any further information or clarification, please do not hesitate to contact the undersigned or our Mr. Keith Chau on 3664 6788.

Yours faithfully,
For and on behalf of
Aurecon Hong Kong Limited

Fredrick Leong
Environmental Team Leader

Encl.
1. Monthly Environmental Monitoring and Audit Report (No.31) – June 2025 R2

cc.
1. Veolia (Contractor) – Mr. Matt Choy (By email: matt.choy@veolia.com)

Document Control Record

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Reviewer's signature		Approver's signature	
Name	Keith Chau	Name	Fredrick Leong
Title	Associate Director, Environmental	Title	Environmental Team Leader

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Executive Summary

ES1. Aurecon Hong Kong Limited (Aurecon) was appointed to undertake the role of Environmental Team (ET) and carry out Environmental Monitoring and Audit for the North East New Territories (NENT) Landfill Extension.

ES2. The construction phase and EM&A programme of the Project commenced on 1 December 2022.

ES3. This 31st Monthly EM&A Report presents the EM&A works conducted from 1 to 30 June 2025 in accordance with the Updated EM&A Manual.

Summary of Construction Works undertaken during Report Period

ES4. The major construction works undertaken during the reporting period include:

ES Table1 Major Construction Works undertaken during the Reporting Period

-	Material loading and unloading, backfilling of material and site traffic at Portion A, SBA to alternative disposal ground
-	Construction of site buildings at Portion D
-	Site clearance at Portion A, B2/E1, E3-1 & E4
-	Installation of permanent fencing at Portion A, B1 & E4
-	Site formation at Portion A, B2/E1, E3-1 & E4
-	Tree felling at whole site
-	Shotcreting (Permanent and Temporary) at whole site
-	Soil nail installation at Portion A, B2/E1 & E4
-	Installation of minipile at Portion A
-	Construction of RE wall at Portion E3-1

Environmental Monitoring and Audit Progress

ES5. A summary of the monitoring activities in this reporting period is listed below:

ES Table2 Summary of the Monitoring Activities during the Reporting Period

	Items	Times	Date
-	Air Quality Monitoring during normal weekdays at each monitoring station	5 times	5, 11, 17, 23 & 28 Jun 2025
-	Construction Noise Monitoring during normal weekdays at each monitoring station	4 times	5, 11, 17 & 23 Jun 2025
-	Surface Water Quality Monitoring during normal weekdays at each monitoring station	1 time	11 Jun 2025
-	Landfill Gas Monitoring during normal weekdays for Construction Works	25 times	2 to 7, 9 to 14, 16 to 21, 23 to 28 & 30 Jun 2025
-	Joint Environmental Site Inspection	5 times	2, 9, 17, 23 & 30 Jun 2025

Environmental Exceedance

Air Quality, Noise Monitoring & Landfill Gas Monitoring

ES6. No exceedance of the Action and Limit Levels were recorded at designated monitoring stations during the reporting period.

Surface Water Quality Monitoring

ES7. One (1) SS exceedance of Limit Level of surface water quality at WM1 was recorded on 11 June 2025. After investigation of the exceedance on 11 June 2025, the exceedance is non-project related.

ES8. No exceedance of Action and Limit Level of surface water quality at WM2 was recorded during the reporting period.

Environmental Non-Conformance/Summons and Prosecution

ES9. No non-compliance event and summons/prosecutions were recorded during the reporting period.

Environmental Complaint

ES10. No environmental complaint was recorded during the reporting period.

Reporting Change

ES11. There was no reporting change in the reporting period.

Future Key Issues

ES12. Works to be undertaken in the next month include:

ES Table3 Major Construction Works undertaken during the Next Reporting Period

-	Material loading and unloading, backfilling of material and site traffic at Portion A, SBA to alternative disposal ground
-	Construction of site buildings at Portion D
-	Site clearance at Portion A, B2/E1, E3-1 & E4
-	Installation of permanent fencing at Portion A, B1 & E4
-	Site formation at Portion A, B2/E1, E3-1 & E4
-	Tree felling at whole site
-	Shotcreting (Permanent and Temporary) at whole site
-	Soil nail installation at Portion A, B2/E1 & E4
-	Installation of minipile at Portion A
-	Construction of RE wall at Portion E3-1

ES13. Potential environmental impacts arising from the above construction activities are mainly associated with air quality, construction noise, water quality, waste management, landfill gas monitoring, landscape and visual, cultural heritage and ecology.

1 Introduction

1.1 Background

1.1.1 The North East New Territories Landfill Extension (the NENTX Project) is located adjacent to the existing North East New Territories (NENT) Landfill at Ta Kwu Ling. The extension site is located in a valley covering mainly the existing NENT Landfill Stockpile and Borrow Area that was formed to the east of the existing landfill as part of the original site development of the landfill, and layout plan shown in **Figure 1**.

1.1.2 The NENTX is a designated project. The Environmental Impact Assessment (EIA) Report (AEIAR-111/2007) and an Environmental Monitoring and Audit Manual were approved on 20 September 2007. The project is governed by an Environmental Permit (EP) (EP-292/2007) which was granted on 26 November 2007. A further of EP (FEP) was applied and the FEP (FEP-01/292/2007) was subsequently granted on 28 April 2022. Another further of EP (FEP-02/292/2007) was subsequently granted on 23 August 2023. The Updated EM&A Manual was approved by Director of Environmental Protection (DEP) on 4 January 2024.

1.1.3 In accordance with the requirements specified in Section 2.7 to 2.11 and Section 12.3 of the Updated EM&A Manual and Condition 3.3 of EP and FEP, Monthly EM&A report should be submitted to DEP, within 2 weeks after the end of the reporting month. The submissions shall be certified by the Environmental Team (ET) Leader and verified by the Independent Environmental Checker (IEC).

1.1.4 The construction phase and EM&A programme of the Project commenced on 1 December 2022.

1.2 Nature, Scale and Scope of the captioned Designated Project

1.2.1 The Nature, Scale and Scope of the captioned Designated Project is presented in **Table 1-1**.

Table 1-1 Nature, Scale and Scope of the captioned Designated Project

Item(s)	Content
Nature of Designated Project	Construction and operation of a landfill for waste as defined in the "Waste Disposal Ordinance" (Cap. 354)
Scale and Scope of Designated Project	The Project mainly consists of the followings: - Construction and operation of a landfill extension of about 70 hectares with a target void space of at least 19 million cubic metres on the eastern side of the existing NENT Landfill, including the followings: - i. Site formation and preparation; ii. Installation of liner system; iii. Installation of leachate collection, treatment and disposal facilities; iv. Installation of gas collection, utilization and management facilities; v. Utilities provisions and drainage diversion; vi. Landfilling operation; vii. Restoration and aftercare in subsequent stages; and viii. Measures to mitigate environmental impacts as well as environmental monitoring and auditing to be implemented.

1.3 Purpose of this Report

1.3.1 This is the 31st Monthly EM&A Report which summarises the impact monitoring results and audit findings for the EM&A programme during the reporting period from 01 to 30 June 2025.

1.4 Structure of the Report

1.4.1 The structure of the report is as follows:

Section 1 – Introduction
- details the background, purpose and structure of the report.

Section 2 – Project Information
- summarises background and scope of the Project, site description, project organization and contact details, construction programme, the construction works undertaken and the status of Environmental Permit(s)/License(s) during the reporting period.

Section 3 – Air Quality Monitoring
- Construction Dust

Section 4 – Noise Monitoring

Section 5 – Water Quality Monitoring
- Groundwater Monitoring
- Surface Water Monitoring

Section 6 – Waste Management

Section 7 – Landfill Gas Monitoring

Section 8 – Landscape and Visual

Section 9 – Cultural Heritage

Section 10 – Ecological Monitoring

Section 11 – Site Inspection and Audit

Section 12 – Environmental Non-Conformance

Section 13 – Implementation Status on Environmental Mitigation Measures

Section 14 – Future Key Issues

Section 15 – Conclusion

2 Project Information

2.1 Construction Activities

2.1.1 Construction programme and a summary of the major construction activities undertaken in this reporting period is shown in **Appendix A**. The major construction works undertaken during the reporting period is presented in **Table 2-1**.

Table 2-1 Major Construction Works undertaken during the Reporting Period

-	Material loading and unloading, backfilling of material and site traffic at Portion A, SBA to alternative disposal ground
-	Construction of site buildings at Portion D
-	Site clearance at Portion A, B2/E1, E3-1 & E4
-	Installation of permanent fencing at Portion A, B1 & E4
-	Site formation at Portion A, B2/E1, E3-1 & E4
-	Tree felling at whole site
-	Shotcreting (Permanent and Temporary) at whole site
-	Soil nail installation at Portion A, B2/E1 & E4
-	Installation of minipile at Portion A
-	Construction of RE wall at Portion E3-1

2.2 Project Organization & Management Structure

2.2.1 The Project Organization Chart & Management Structure are shown in **Appendix B**. The key personnel contact information is summarized in **Table 2-2**.

Table 2-2 Contact Information of Key Personnel

Party	Name	Contact Number
Contractor (Veolia Hong Kong Holding Ltd.)	Mr. Matt Choy	2902 5296
Independent Environmental Checker (IEC) (Meinhardt Infrastructure and Environment Ltd.)	Ms. Claudine Lee	2859 5409
Environmental Team Leader (ETL) (Aurecon Hong Kong Limited)	Mr. Fredrick Leong	3664 6888

2.3 Status of Submission required under the EP & FEP during reporting period

2.3.1 The status of statutory environmental compliance with the EP & FEP conditions under the EIAO, submission status under the EP & FEP during reporting period are presented in **Table 2-3**. The detail status of statutory environmental compliance with the EP & FEP conditions under the EIAO, submission status under the EP & FEP for NENTX project are shown in **Appendix C**.

Table 2-3 Status of Submissions required under the EP & FEP during Reporting Period

EP Condition	FEP Condition	Submission / Measures	Status
2.3	2.1	Management Organization of Main Construction Companies	Submitted
2.4	2.2	Setting up of Community Liaison Group (CLG)	Community Liaison Group was set up.
2.5	2.3	Submission of EM&A Manual	Submitted
2.6	2.4	Submission of Preservation of Cultural Landscape Features	Submitted
2.7	2.5	Submission of Vegetation Survey (Transplantation Proposal)	Submitted
2.8	2.6	Submission of Translocation Proposal	Submitted
2.9	2.7	Submission of Transplantation Report and Post-Transplantation Monitoring	Submitted
2.10	2.8	Submission of Translocation Report and Post-Translocation Monitoring	Submitted
2.11	2.9	Submission of Detailed Landfill Gas Hazard Assessment Report	Submitted
2.12	2.10	Submission of Waste Management Plan	Submitted
3.2	3.2	Submission of Baseline Monitoring Report	Submitted
3.3	3.3	Submission of Monthly EM&A Report	Submitted

2.4 Status of Environmental Approval Document

2.4.1 A summary of the relevant valid permits, licences, and/or notifications on environmental protection for this Project since the granting of the EP & FEP is presented in **Table 2-4**.

Table 2-4 Summary of the Relevant Valid Permits, Licences, and/or Notifications on Environmental Protection

Permit / Licenses / Notification	Reference	Expiry Date	Remark
Environmental Permit (EP)	EP-292/2007	Throughout the Contract	Permit granted on 26 November 2007
Further Environmental Permit (FEP)	FEP-01/292/2007	Throughout the Contract	Permit granted on 28 April 2022
	FEP-02/292/2007	Throughout the Contract	Permit granted on 23 August 2023
Notification of Construction Works as required under Air Pollution Control (Construction Dust) Regulation	479809	Throughout the Construction Phase	Notified on 13 May 2022
Registration of Waste Producer under Waste Disposal Ordinance	7043692	Throughout the Contract	Registered on 13 April 2022
Construction Noise Permit	GW-RN0508-25	18 August 2025	Permit granted on 8 May 2025
Registration as Chemical Waste Producer	5213-642-V2370-01	Throughout the Contract	Registered on 20 Feb 2025
Effluent Discharge License under Water Pollution Control Ordinance	WT00042301-2022	31 October 2027	Permit granted on 18 October 2022 Variation of Licence (Permit granted on 7 February 2023)

2.5 Environmental Monitoring and Audit Progress

2.5.1 A summary of the monitoring activities in this reporting period is presented in **Table2-5**.

Table 2-5 Summary of the Monitoring Activities in this Reporting Period

	Items	Times	Date
-	Air Quality Monitoring during normal weekdays at each monitoring station	5 times	5, 11, 17, 23 & 28 Jun 2025
-	Construction Noise Monitoring during normal weekdays at each monitoring station	4 times	5, 11, 17 & 23 Jun 2025
-	Surface Water Quality Monitoring during normal weekdays at each monitoring station	1 time	11 Jun 2025
-	Landfill Gas Monitoring during normal weekdays for Construction Works	25 times	2 to 7, 9 to 14, 16 to 21, 23 to 28 & 30 Jun 2025
-	Joint Environmental Site Inspection	5 times	2, 9, 17, 23 & 30 Jun 2025
-	EPD General Site Inspection	2 times	3 & 23 Jun 2025

Air Quality

2.5.2 5 sets of 1-hr & 24-hr TSP construction dust measurement were carried out at each monitoring stations during normal weekdays of the reporting period. No Action / Limit Level exceedance for 1-hr & 24-hr TSP impact monitoring was recorded during the period.

Noise

2.5.3 4 sets of 30-minute construction noise measurement were carried out at each monitoring stations during normal weekdays of the reporting period. No exceedance of Action and Limit Levels of construction noise was recorded during the reporting period.

Groundwater

2.5.4 The baseline groundwater monitoring was commenced on 28 March 2025. The details of baseline groundwater monitoring will be presented in the Baseline Monitoring Report.

Surface Water Quality

2.5.5 1 set of surface water quality measurement were carried out at each monitoring stations during normal weekdays of the reporting period. One (1) SS exceedance of Limit Level of surface water quality at WM1 was recorded on 11 June 2025. After investigation of the exceedance on 11 June 2025, the exceedance is non-project related. No exceedance of Action and Limit Level of surface water quality at WM2 was recorded during the reporting period.

Landfill Gas

2.5.6 25 sets of landfill gas measurement were carried out at the designated monitoring locations during normal weekdays of the reporting period. No exceedance of Action and Limit Levels of landfill gas was recorded during the reporting period.

Landscape and Visual

2.5.7 All the specified and affected LCAs, LRs and VSRs have been monitored during the reporting period. No exceedance of Action and Limit Levels of landscape and visual was recorded during the reporting period.

Cultural Heritage

2.5.8 Implementation of the mitigation measures during construction phase of the Project has been monitored through the regular site inspection/audit.

Ecology

2.5.9 Implementation of the mitigation measures during construction phase of the Project has been monitored through the regular site inspection/audit.

Environmental Site Inspection

2.5.10 5 weekly environmental site inspections were carried out during the reporting period. A joint environmental site inspection was carried out by the representatives of the Employer's Representative (ER), the Contractor, IEC and the ET on 17 June 2025. The Contractor has generally implemented part of the mitigation measures as recommended. Two (2) general site inspection were conducted by Environmental Protection Department-Regional Office (North) (EPD-RNG) during the reporting period.

3 Air Quality Monitoring

3.1 Construction Dust

3.1.1 Monitoring Requirement

3.1.1.1 In accordance with the Updated EM&A Manual, 1-hr & 24-hr Total Suspended Particulates (TSP) levels should be measured at the designated air quality monitoring stations in every 6 days to ensure that any deteriorating air quality could be readily detected, and timely action shall be undertaken to rectify such situation. For 1-hr TSP monitoring, the sampling frequency of at least three times in every six-days should be undertaken when the highest dust impact occurs. The specific time to start and stop the 24- hr TSP monitoring shall be clearly defined for each location.

3.1.2 Monitoring Parameters, Frequency and Location

3.1.2.1 According to the Updated EM&A Manual, three monitoring stations namely AM(D)1, AM(D)2 and AM(D)3 are selected for the impact monitoring.

3.1.2.2 A baseline monitoring plan has been submitted to IEC and EPD on 31 May 2022 including the proposal with justification of change of monitoring locations. Due to limited access to the original monitoring locations at AM(D)1, AM(D)2 and AM(D)3, the adjusted stations at AM1, AM2 and AM3 were agreed with IEC prior to the baseline and impact monitoring. The locations of adjusted dust monitoring locations are shown in **Figure 2**.

3.1.2.3 The detailed monitoring schedule is shown in **Appendix D**. The locations of dust monitoring stations are shown in **Table 3-1**. The monitoring parameters, frequency and duration are shown in **Table 3-2**.

Table 3-1 Locations of Dust Monitoring Stations

Monitoring Station	Representative For	Monitoring Parameters
AM1	Tung Lo Hang	1-hr and 24-hr TSP
AM2	Heung Yuen Wai	1-hr and 24-hr TSP
AM3	Wo Keng Shan Tsuen	1-hr and 24-hr TSP

Remarks:

The contractor passed correspondence including original monitoring locations specified on the Approved EM&A Manual to the village representatives on 26 April 2022. After a meeting with Ta Kwu Ling District Rural Committee (RC) Chairman, representative from the RC and a few villagers on 1 May 2022, all the Village Heads of Wo Keng Shan Tsuen, Heung Yuen Wai and Lin Ma Hang verbally refused to accept our proposal for installation of dust and / or noise monitoring equipment within or next to their villages, for the baseline & impact monitoring.

AM(D)1 Tung Lo Hang, AM(D)2 Heung Yuen Wai, AM(D)3 Wo Keng Shan Tsuen are the air monitoring stations for the construction phase EM&A programme as identified in the approved EM&A Manual for the Project. The access to Tung Lo Hang, Heung Yuen Wai and Wo Keng Shan Tsuen were denied. A search for alternative air monitoring locations (AM1, AM2 & AM3) was carried out during the site visit.

The Baseline Monitoring Plan has been submitted to IEC and EPD including the proposal of change of monitoring locations on 31 May 2022. This arrangement was conducted between baseline and impact monitoring and has been agreed by the Independent Environmental Checker (IEC) and no comment received from EPD.

Due to the adjustment of the location of AM(D)1, AM(D)2 & AM(D)3to AM1, AM2 & AM3, the measured air quality levels at AM1, AM2 & AM3 would represent the air quality levels at AM(D)1, AM(D)2 & AM(D)3.

Table 3-2 Dust Impact Monitoring Parameters, Frequency and Duration

Monitoring Station	Parameter	Frequency and Duration
AM1, AM2, AM3	1-hr TSP	At least 3 times per 6 days
	24-hr TSP	1 time per 6 days

3.1.3 Monitoring Equipment

3.1.3.1 High volume samplers (HVSs) were used for carrying out 24-hr TSP monitoring. For 1-hr TSP monitoring, direct reading dust meters were used to measure 1-hr TSP levels.

3.1.3.2 **Table 3-3** summarises the equipment that were used in the dust monitoring programme. The calibration certificates are shown in **Appendix E**.

Table 3-3 Dust Monitoring Equipment

Equipment	Model	Expiry Date	Monitoring Station
High Volume Sampler (HVS)	TE-5170X (S/N: 1105)	5 Aug 2025	AM1
	TE-5170X (S/N: 1106)		AM2
	TE-5170X (S/N: 1856)		AM3
Direct Reading Dust Meter	Sibata LD-5R (S/N: 0Z4545)	12 Sep 2025	AM1 to AM3
	Sibata LD-5R (S/N: 882106)		
	Sibata LD-5R (S/N: 942532)		
Calibration Kit (for HVS)	TE-5025A (S/N: 3465)	2 Dec 2025	AM1 to AM3

Remarks:
The Expiry Date of Calibration Kit (for HVS) reflected that the calibration certificate fulfils the bi-monthly calibration interval requirement for the HVS.

3.1.4 Monitoring Methodology

1-hr TSP Monitoring

3.1.4.1 The 1-hr TSP impact monitoring was conducted using a portable direct reading dust meter.

Measuring Procedures

3.1.4.2 The measuring procedures of the 1-hr dust meter has been undertaken in accordance with the Manufacturer's Instruction Manual as follows:
Procedure of starting monitoring

- Place the 1-hr dust meter at least 1.3m above ground;
- Turn on the "On/Off" button at the side of instrument. Program will be changed to "BG" mode and leave it for 1 minute.
- Pull out the Suction adaptor and turn the button at the side. Cover with hand at the suction adaptor measure the background for 10 seconds.
- Press " UP" and " DOWN" for choosing "SPAM Mode" for SPAM Measurement.
- Press "Up" and "Down" to select "Measurement Mode" with 60 minutes interval and unit in ug/m3.
- Press "Start/Stop" to start monitoring.

Procedure of setting measurement timer

- Press "Up" or "Down" to find "Setting LOG".
- Select "Record Cycle" and change the record time subject to different project requirement. For example, setting the record cycle as 60 minutes for normal operation.
- Press "ESCAPE" back to the main page.
- Press "Up" or "Down" to access "Measurement Timer" and select "Measurement time" to change the time to 3 hours.
- Information such as sampling date, time, count value and site condition will be recorded during the monitoring period.

Calibration & Maintenance

3.1.4.3 The direct reading dust meters will be verified against calibrated high volume samples (HVSs) annually. A 2-day, three 3-hour measurement results per day from direct reading dust meter will be taken to compare with the sampling results from the HVS. The correlation between the direct reading dust meter and the HVS will then be concluded. By accounting for the correlation factor, the direct reading dust meter will be considered to achieve comparable results as that of the HVS.

3.1.4.4 All digital dust indicator will be calibrated with on-site HVS annually. Calibration certificate will be provided after calibration. The Calibration process shall eyewitness with the representative of ET & IEC.

Quality Audit

3.1.4.5 Checklist of regular checking for digital dust meter will be conducted bi-weekly by environmental technician to ensure the all-digital dust meter are in good condition and submitted to supervisors. All checklists will be kept by supervisors.

3.1.4.6 Logbook is provided to environmental technician record the transferal of equipment to other colleagues, reporting to supervisors is required.

24-hr TSP Monitoring

3.1.4.7 The 24-hr TSP monitoring has been conducted using a High-Volume Sampler (HVS).

Measuring Procedures

3.1.4.8 The HVS has been set-up at the monitoring location with a fixed power supply for operation. The measuring procedures of the 24-hr TSP measurements has been undertaken in accordance with the specifications listed in the EM&A Manual. Each HVS includes a motor, a filter holder, a flow controller and a sampling inlet in accordance with the performance specification of the USEPA Standard Title 40, Code of Federation Regulations Chapter 1 (Part 50), Appendix B. The measuring procedures of the 24-hr dust meter was undertaken in accordance with the Manufacturer's Instruction Manual as follows:

- The power supply will be checked to ensure the HVS works properly;
- The filter holder and the area surrounding the filter will be cleaned;
- The filter holder will be removed by loosening the four bolts and a new filter on a supporting screen will be aligned carefully;
- The filter will be properly aligned on the screen so that the gasket formed an airtight seal on the outer edges of the filter;
- The swing bolts will be fastened to hold the filter holder down to the frame. The pressure applied should be sufficient to avoid air leakage at the edges;
- The shelter lid will be closed and secured with the aluminium strip;
- The HVS will be warmed-up to establish run-temperature conditions;
- A new flowrate record sheet will be set into the flow recorder;
- The programmable timer will be set for a sampling period of 24 hour, and the starting time, weather condition and the filter number will be recorded;
- The initial elapsed time will be recorded;
- At the end of sampling, the sampled filter will be removed carefully and folded in half-length so that only surfaces with collected particulate matter will be in contact;
- The sample will be placed in a clean plastic envelope and sealed;
- All monitoring information will be recorded on a standard data sheet; and
- The filters will be taken back to HOKLAS accredited laboratory for analysis.

3.1.4.9 In addition, site conditions and dust sources were recorded in a standard form for direct input into a database.

Calibration & Maintenance

3.1.4.10 The high volume motors and their accessories should be properly maintained, including routine motor brushes replacement and electrical wiring checking, to ensure that the equipment and a continuous power supply were in good working condition.

3.1.4.11 Initial calibration of dust monitoring equipment shall be conducted upon installation and thereafter at bi-monthly intervals. The transfer standard shall be traceable to the internationally recognized primary standard and be calibrated annually.

The detail procedure of calibration of HVS is listed below:

1. Make sure the electrical circuit is connected properly. The motor should be directly connected to the power source.
2. Open the top cover and unlock the screws at the four corners.
3. Install the orifice and adapter plate to high volume air sample. Tighten the nut securely. Turn the knob of orifice clock-wise to close the four holes on the bottom open.
4. Hold the water manometer on the cover of mass flow controller vertically. Connect one side of a water manometer to the pressure tap on the side of the orifice with a rubber vacuum tube. Leave opposite side of the manometer open to the atmosphere.
5. Turn on the sampler
6. Five flow rates are achieved by changing the different plates to change the resistance. Record the manometer reading and the reading from continuous flow recorder. At least 5 sets of data should be recorded.

3.1.4.12 The Calibration process shall eyewitness with the representative of ET & IEC.

3.1.5 Monitoring Results

3.1.5.1 The impact dust monitoring results are summarized in **Table 3-4** and **Table 3-5.** The monitoring data together with graphical presentations are presented in **Appendix F** and **Appendix G**.

Table 3-4 Summary of Impact 1-hr TSP Monitoring Results

Month	Average 1-hr TSP Concentration, µg/m³ (Range)		
	Dust Monitoring Station		
	AM1	AM2	AM3
Jun 2025	26 (21 – 33)	43 (37 – 50)	52 (39 – 61)
Action Level	**>285**	**>279**	**>285**
Limit Level	**>500**		

Table 3-5 Summary of Impact 24-hr TSP Monitoring Results

Month	Average 24-hr TSP Concentration, µg/m³ (Range)		
	Dust Monitoring Station		
	AM1	AM2	AM3
Jun 2025	71 (60 – 77)	81 (76 – 87)	93 (82 – 109)
Action Level	**>164**	**>152**	**>163**
Limit Level	**>260**		

3.1.5.2 The Summary of Impact 1-hr & 24-hr TSP Exceedance during the reporting period are shown in **Table 3-6**. The Notification of Environmental Quality Limits Exceedances are presented in **Appendix H**.

Table 3-6 Summary of Impact 1-hr & 24-hr TSP Exceedance during the Reporting Period

Dust Monitoring Station		AM1		AM2		AM3	
Parameters / Level Exceedance		Action Level	Limit Level	Action Level	Limit Level	Action Level	Limit Level
1-hr TSP	Exceedance Date	-	-	-	-	-	-
	Exceedance Count	0	0	0	0	0	0
24-hr TSP	Exceedance Date	-	-	-	-	-	-
	Exceedance Count	0	0	0	0	0	0

Remarks: * equal to non-project related

3.1.5.3 No Action / Limit Level exceedance for 1-hr & 24-hr TSP impact monitoring at AM1, AM2 & AM3 was recorded during the period.

3.1.6 Wind Data Monitoring

3.1.6.1 During the monitoring period. wind data from existing weather station in the vicinity of the designated monitoring location, i.e Ta Kwu Ling station operated by Hong Kong Observatory was adopted. It is considered that the wind data obtained from Ta Kwu Ling station are representative of the Project area and could be used for the construction dust monitoring programme for the Project. The results for wind data monitoring are presented in **Appendix I**.

3.1.7 Recommended Mitigation Measures

3.1.7.1 The recommended dust mitigation measures from EIA report are listed as followed:

- The contractor shall follow the procedures and requirements given in the Air Pollution Control (Construction Dust) Regulation.
- Dust emission from construction vehicle movement is confined within the worksites area.
- Watering facilities will be provided at every designated vehicular exit point.
- Good site practice is recommended during construction phase.

3.1.8 Event and Action Plan

3.1.7.2 Should non-compliance of the criteria occur, action in accordance with the action plan in **Table 3-7** shall be carried out.

Table 3-7 Event and Action Plan for Dust Impact

Event	ET	IEC	Contractor
Exceedance of Action Level			
Exceedance for one sample	• Identify source • Prepare Notification of Exceedance • Inform IEC and Contractor • Repeat measurement to confirm findings • Increase monitoring frequency to daily if exceedance is due to the Project and continue until the monitoring results reduce to below action level	• Verify the Notification of Exceedance • Check monitoring data submitted by ET and Contractor's working methods • Discuss with ET and Contractor on proposed remedial measures	• Rectify any unacceptable practice • Amend working methods if appropriate
Exceedance for two or more consecutive samples	• Identify source • Prepare Notification of Exceedance • Inform Contractor and IEC • Repeat measurements to confirm findings • Increase monitoring frequency to daily if exceedance is due to the Project and continue until the monitoring results reduce to below action level • Discuss with IEC for remedial action required • Ensure remedial measures are properly implemented • Continue monitoring at daily intervals if exceedance is due to the Project • If no exceedance for 3 consecutive days, cease additional monitoring	• Verify the Notification of Exceedance • Check monitoring data submitted by ET and Contractor's working methods • Discuss with ET and Contractor on proposed remedial measures • Review with analysed results submitted by ET • Review the proposed remedial measures by Contractor • Supervise the implementation of remedial measures	• Submit proposals for remedial actions to IEC within 3 working days of notification • Implement the agreed proposals • Amend proposal if appropriate

Event	ET	IEC	Contractor
Exceedance of Limit Level			
Exceedance for one sample	• Identify source • Prepare Notification of Exceedance • Inform IEC and Contractor • Repeat measurement to confirm findings • Increase monitoring frequency to daily if exceedance is due to the Project and continue until the monitoring results reduce to below limit level • Assess effectiveness of Contractor's remedial actions and keep EPD and IEC informed of the results	• Verify the Notification of Exceedance • Check monitoring data submitted by ET and Contractor's working methods • Discuss with ET and Contractor potential remedial actions • Supervise the implementation of remedial measures	• Take immediate action to avoid further exceedance • Submit proposals for remedial actions to IEC within 3 working days of notification • Implement the agreed proposals • Amend proposal if appropriate
Exceedance for two or more consecutive samples	• Identify source • Prepare Notification of Exceedance • Inform IEC and EPD the causes and actions taken for the exceedances • Discuss with IEC for remedial action required • Ensure remedial measures are properly implemented • Assess effectiveness of Contractor's remedial actions and keep IEC, EPD and informed of the results • Increase monitoring frequency to confirm findings • If exceedance stops, cease additional monitoring	• Verify the Notification of Exceedance • Check monitoring data submitted by ET and Contractor's working methods • Discuss amongst ET and Contractor on the potential remedial actions. • Review Contractor's remedial actions whenever necessary to assure their effectiveness • Supervise the implementation of remedial measures	• Take immediate action to avoid further exceedance • Submit proposals for remedial actions to IEC of notification • Implement the agreed proposals • Resubmit proposals if problem still not under control • Stop the relevant activity of works until the exceedance is abated

4 Noise Monitoring

4.1 Monitoring Requirement

4.1.1 In accordance with the Updated EM&A manual, noise impact monitoring shall be carried out at 2 monitoring stations NM1a and NM2a once a week during normal construction working hour (0700-1900 Monday to Saturday). The minimum logging interval shall be 30 minutes with average of 6 consecutive Leq $_{(5\ mins)}$, L_{10} and L_{90} shall also be measured at 5 mins intervals.

4.2 Monitoring Locations, Parameters and Frequency

4.2.1 According to the Updated EM&A Manual, two monitoring stations namely NM1 and NM2 are selected for the impact monitoring.

4.2.2 A baseline monitoring plan has been submitted to IEC and EPD on 31 May 2022 including the proposal with justification of change of monitoring locations. Due to limited access to the original monitoring locations at NM1 and NM2, the adjusted stations at NM1a and NM2a were agreed with IEC prior to the baseline and impact monitoring. The noise monitoring locations are summarized in **Table 4-1** and shown in **Figure 2**.

4.2.3 The detailed monitoring schedule is shown in **Appendix D**. The frequency and duration are shown in **Table 4-2**.

Table 4-1 Noise Monitoring Locations

Monitoring Station	Representative for	Type of Measurement
NM1a	Wo Keng Shan Tsuen	Free field
NM2a	Lin Ma Hang	Free field

Remarks:

The contractor passed correspondence including original monitoring locations specified on the Approved EM&A Manual to the village representatives on 26 April 2022. After a meeting with Ta Kwu Ling District Rural Committee (RC) Chairman, representative from the RC and a few villagers on 1 May 2022, all the Village Heads of Wo Keng Shan Tsuen, Heung Yuen Wai and Lin Ma Hang verbally refused to accept our proposal for installation of dust and / or noise monitoring equipment within or next to their villages, for the baseline & impact monitoring.

NM1 Wo Keng Shan Tsuen & NM2 Lin Ma Hang are the noise monitoring stations for the construction phase EM&A programme as identified in the approved EM&A Manual for the Project. The access to Tung Lo Hang, Heung Yuen Wai and Wo Keng Shan Tsuen were denied. A search for alternative noise monitoring locations (NM1a & NM2a) was carried out during the site visit.

The Baseline Monitoring Plan has been submitted to IEC and EPD including the proposal of change of monitoring locations on 31 May 2022. This arrangement was conducted between baseline and impact monitoring and has been agreed by the Independent Environmental Checker (IEC) and no comments received from EPD. Noise measurement at NM1a & NM2a will be considered as free-field and a correction of +3dB(A) would be made to the noise monitoring results.

Due to the adjustment of the location of NM1 & NM2 to NM1a & NM2a, the measured noise levels at NM1 & NM2 would represent the noise levels at NM1 & NM2.

Table 4-2 Noise Monitoring Parameters, Frequency and Duration

Monitoring Station	Parameter	Frequency and Duration
NM1a and NM2a	$L_{Aeq\ (30mins)}$ average of 6 consecutive $L_{Aeq\ (5min)}$; $L_{A10(5min)}$ & $L_{A90(5min)}$	Once a week during normal construction working hour (0700-1900 Monday to Saturday)

4.3 Monitoring Equipment

4.3.1 Integrating Sound Level Meter (SLM) was used for noise impact monitoring. The SLM complied with International Electrotechnical Commission Publications 651:1979 (Type 1) and 804:1985 (Type 1) specifications shall be used for carrying out noise monitoring. The accuracy of the SLM was checked using an acoustic calibrator generating a known sound pressure level at a known frequency. Measurements shall be accepted as valid only if the calibration level from prior to and after the noise measurement agrees to within 1.0dB.

4.3.2 A portable wind speed meter was used for measuring wind speeds in m/s.

4.3.3 **Table 4-3** summarises the equipment that have been used in the impact noise monitoring programme. The calibration certificates are shown in **Appendix E**.

Table 4-3 Noise Monitoring Equipment

Equipment	Model	Expiry Date
Sound Level Meter	NTi XL2 (S/N: A2A-13661-E0)	12 Aug 2025
Acoustic Calibrator	Rion NC-75 (S/N: 34724245)	23 Jul 2025
Anemometer	UNI-T UT363 (S/N: C222415356)	17 Feb 2027

4.4 Monitoring Methodology

4.4.1 The details of noise measurement procedures are described as follows:

- Free-field measurements were made at the monitoring locations.
- For free field, the Sound Level Meter was set at a height of 1.2 m above the ground. The battery condition was checked to ensure the proper functioning of the meter.
- Parameters such as frequency weighting, the time weighting and the measurement time were set as follows:
- Frequency weighting: A
- Time weighting: Fast
- Measurement time: 5 minutes (Leq (30-min) would be determined for daytime noise by calculating the logarithmic average of six Leq (5min) data.)
- Prior to and after each noise measurement, the meter was calibrated using a Calibrator for 94.0 dB at 1000 Hz. If the difference in the calibration level before and after measurement was more than 1.0 dB, the measurement would be considered invalid and repeat of noise measurement would be required after recalibration or repair of the equipment.
- Noise measurement should be paused during periods of high intrusive noise if possible and observation shall be recorded when intrusive noise is not avoided.
- At the end of the monitoring period, the Leq, L10 and L90 shall be recorded. In addition, site conditions and noise sources should be recorded on a standard record sheet.
- All noise monitoring will be conducted with the wind speed not exceeding 5m/s and no gusts exceeding 10m/s.

Calibration & Maintenance

4.4.2 The sound level meter, sound calibrator, and anemometer should be properly maintained to ensure that the equipment and a continuous power supply were in good working condition. The sound level meter and sound calibrator will be calibrated annually. The anemometer will be calibrated two years interval in accordance with the HOKLAS Supplementary Criteria No.2. Calibration certificate will be provided after calibration.

4.4.3 The microphone head of the sound level meter and calibrator should be cleaned with a soft cloth at quarterly intervals.

4.5 Monitoring Results

4.5.1 The impact noise monitoring results are summarized in **Table 4-4**. The monitoring data together with graphical presentations are presented in **Appendix F** and **Appendix G**.

Table 4-4 Summary of Noise Monitoring Results during Normal Working Hours (07:00-19:00, Monday to Saturday)

Month	Average Leq, 30min, dB(A) (Range)	
	Noise Monitoring Station	
	NM1a	NM2a
Jun 2025	60.8 (59.6 – 62.5)	47.0 (45.0 – 48.5)
Action Level	When one documented complaint is received	
Limit Level	>75dB(A)	

Remark:

(1) * A correction of +3 dB(A) was made to the free field measurements

(2) If works are to be carried out during restricted hours, the conditions stipulated in the construction noise permit issued by the Noise Control Authority have to be followed.

4.5.2 No exceedance of Action and Limit Levels of construction noise was recorded during the reporting period. Therefore, there was no record of Notification of Environmental Quality Limits Exceedance in the **Appendix H**.

4.5.3 No particular observations are identified near the monitoring stations during the monitoring period.

4.5.4 The Summary of Impact Noise Exceedance are shown in **Table 4-5**.

Table 4-5 Summary of Impact Noise Exceedance during the Reporting Period

Noise Monitoring Station		NM1(a)		NM2(a)	
Parameters \ Level Exceedance		Action Level	Limit Level	Action Level	Limit Level
LA_{eq}(30mins)	Exceedance Date	-	-	-	-
	Exceedance Count	0	0	0	0

Remarks: * equal to non-project related

4.5.5 No exceedance of Action and Limit Levels of construction noise was recorded during the reporting period. Therefore, there was no record of Notification of Environmental Quality Limits Exceedance in the **Appendix H**.

4.6 Recommended Mitigation Measures

4.6.1 The recommended noise mitigation measures from EIA report are listed as followed:

1. Use of good site practices to limit noise emissions by considering the following:
   - Only well-maintained plant should be operated on-site and plant should be serviced regularly during the construction programme;
   - Machines and plant (such as trucks, cranes) that may be in intermittent use should be shut down between work periods or should be throttled down to a minimum;
   - Plant known to emit noise strongly in one direction, where possible, be orientated so that the noise is directed away from nearby NSRs;
   - Silencers or mufflers on construction equipment should be properly fitted and maintained during the construction works;
   - Mobile plant should be sited as far away from NSRs as possible and practicable;
   - Material stockpiles, mobile container site officer and other structures should be effectively utilised, where practicable, to screen noise from on-site construction activities.
2. Select “Quiet plants” which comply with the BS 5228 Part 1 or TM standards.

4.7 Event and Action Plan

4.7.1 Should non-compliance of the criteria occurs, action in accordance with the action plan in **Table 4-6** shall be carried out.

Table 4-6 Event and Action Plan for Construction Noise Monitoring

Event	ET	IEC	Contractor
Exceedance of Action Level	• Identify source, investigate the causes of exceedance • Prepare Notification of Exceedance • Inform IEC and Contractor • Report the results of investigation to IEC, and Contractor • Discuss with Contractor and IEC for formulate remedial measures • Ensure remedial measures are properly implemented • Have additional monitoring if exceedance is due to the Project. If exceedance stops, cease additional monitoring	• Verify the Notification of Exceedance • Review the analysed results submitted by ET • Discuss with ET, and Contractor on the potential remedial actions • Review the proposed remedial measures • Supervise the implementation of remedial measures	• Submit noise mitigation proposals to IEC • Implement the agreed noise mitigation proposals
Exceedance of Limit Level	• Identify source, investigate the causes of exceedance • Prepare Notification of Exceedance • Inform IEC and Contractor • Repeat measurements to confirm findings • Discuss with Contractor and IEC for remedial measures • Ensure remedial measures are properly implemented • Assess effectiveness of Contractor's remedial actions and keep IEC and EPD informed of the results • Have additional monitoring if exceedance is due to the Project. If exceedance stops, cease additional monitoring	• Verify the Notification of Exceedance • Review the analysed results submitted by ET • Discuss with ET, and Contractor on the potential remedial actions • Review the proposed remedial measures • Supervise the implementation of remedial measures	• Take immediate action to avoid further exceedance • Submit proposals for remedial actions to IEC of notification • Implement the agreed proposals • Resubmit proposals if problem still not under control • Stop the relevant portion of works as determined by project proponent until the exceedance is abated.

5 Water Quality Monitoring

5.1 Groundwater Monitoring

5.1.1 Monitoring Requirement

5.1.1.1 According to the Updated EM&A Manual, baseline water quality (groundwater) monitoring shall be carried out at the 35 monitoring locations (ED-1 to ED-35), which are subject to changes on the design and modification of the Project. Considering the requirements, objectives and feasibility of conducting the baseline water quality (groundwater) monitoring, a total of 35 monitoring locations (CW-1 to CW-35) are proposed along the waste boundary and access road of the project site. Due to the proposed monitoring locations CW-1 to CW-35 locates along the waste filling boundary of the project site, it can maintain to determine the natural seasonal variation in groundwater levels, effects of any ground water abstraction, identification of hydraulic gradients and variation caused by the construction, operation or aftercare of the project site by Section 5.4.1 of the Updated EM&A Manual. The proposed monitoring locations (CW-1 to CW-35) were approved by IEC on 16 January 2025.

5.1.1.2 The baseline groundwater monitoring was commenced on 28 March 2025. The details of baseline groundwater monitoring will be presented in the Baseline Monitoring Report.

5.2 Surface Water Monitoring

5.2.1 Monitoring Requirement

5.2.1.1 In accordance with the Updated EM&A manual, impact surface water quality monitoring was carried out at the two designated surface water discharge points (i.e. WM1 and WM2) for once per month from commencement of construction works of the Project.

5.2.2 Monitoring Locations, Parameters and Frequency

5.2.2.1 Impact surface water monitoring was carried out at WM1 and WM2 during the reporting period. The monitoring locations are indicated in **Table 5-1** and **Figure 2**.

5.2.2.2 The monitoring parameters, frequency and duration of surface water quality monitoring are summarized in **Table 5-2**. Detailed monitoring schedule is presented in **Appendix D**.

Table 5-1 Surface Water Quality Monitoring Locations

Monitoring Station	Location	Coordinates (HK Grid)	
		Easting	Northing
WM1	Upstream of Lin Ma Hang River	836665	845020
WM2	Ping Yuen River	835592	844186

Table 5-2 Surface Water Quality Monitoring Parameters, Frequency and Duration

Parameter	Frequency
pH, Electrical conductivity, DO, Turbidity, SS, Alkalinity, COD, BOD_5, TOC, Ammonia-nitrogen, TKN, Nitrate, Sulphate, Sulphite, Phosphate, Chloride, Sodium, Mg, Ca, K, Fe, Ni, Zn, Mn, Cu, Pb, Cd, Coliform Count, Oil and Grease	Once per month

5.2.3 Monitoring Equipment

5.2.3.1 The measurements of pH, electrical conductivity (EC), DO, turbidity, water temperature and air temperature were undertaken in situ. In situ monitoring instruments in compliance with the specifications listed under Section 5.5 of the Updated EM&A Manual were used to undertake the surface water quality monitoring for the Project. **Table 5-3** summarises the equipment used in the impact surface water quality monitoring works. Copies of the calibration certificates are attached in **Appendix E**.

Table 5-3 Surface Water Quality Monitoring Equipment

Equipment	Model	Expiry Date
Water Quality Meter	YSI ProDSS (S/N: 22D100436)	30 Jun 2025
Water Flow Meter	Global Water FP111 (S/N: 22K100859)	10 Feb 2026

5.2.4 Summary of Surface Water Quality Monitoring Procedure

Operational/ Analytical Procedures

5.2.4.1 In general, water samples were collected from within 500 mm of the water surface. Water was collected by a small clean open-mouthed bucket with the lip pointing upstream. Usually, water was then transferred to the sample bottles until they were filled to the top with no remaining air space before the lid was securely screwed on. For samples that were preserved with acid or alkalis prior to transport to the laboratory, the samples bottles were filled to the level specified by the analytical laboratory.

5.2.4.2 Analyses shall be carried out in accordance with methods described in ASTM or APHA - AWWA-WEF Standard.

Laboratory Analytical Methods

5.2.4.3 The testing of parameters presented in **Table 5-4** for all stations was conducted by ALS Technichem (HK) Pty Ltd. (HOKLAS Registration No. 066). Comprehensive quality assurance and control procedures were in place in order to ensure quality and consistency in results. The detection limits are provided in **Table 5-4.**

Table 5-4 Surface Water Monitoring Detection Limits and Limit of Reporting

Parameters	Detection Limit (in Updated EM&A Manual)	Limit of Reporting	Method Reference
pH	0.1	0.1	APHA 4500 H+ B
Electrical conductivity	1 mS/cm	1 mS/cm	APHA 2510 B
Alkalinity	1 mg/L	1 mg/L	APHA 2320 B
COD	10 mg/L	5 mg/L	APHA 5220 C
BOD_5	3 mg/L	2 mg/L	APHA 5210 B
TOC	1 mg/L	1 mg/L	APHA 5310 B
SS	0.1 mg/L	0.1 mg/L	APHA 2540 D
Ammonia-nitrogen	0.2 mg/L	0.01 mg/L	APHA 4500 NH3 G
TKN	0.4 mg/L	0.1 mg/L	APHA 4500Norg: D
Nitrate	0.5 mg/L	0.01 mg/L	APHA 4500 NO3 I
Sulphate	5 mg/L	1 mg/L	USEPA 375.4
Sulphite	2 mg/L	2 mg/L	APHA 4500 SO3 B
Phosphate	0.01 mg/L	0.01 mg/L	APHA 4500-P B & F
Chloride	0.5 mg/L	0.5 mg/L	USEPA 325.1
Sodium	50 mg/L	50 mg/L	USEPA 6010C
Mg	50 mg/L	50 mg/L	USEPA 6010C
Ca	50 mg/L	50 mg/L	USEPA 6010C
K	50 mg/L	50 mg/L	USEPA 6010C
Fe	50 mg/L	10 mg/L	USEPA 6010C
Ni	1 mg/L	1 mg/L	USEPA 6020A
Zn	10 mg/L	10 mg/L	USEPA 6020A
Mn	1 mg/L	1 mg/L	USEPA 6020A
Cu	1 mg/L	1 mg/L	USEPA 6020A
Pb	1 mg/L	1 mg/L	USEPA 6020A
Cd	0.2 mg/L	0.2 mg/L	USEPA 6020A
Coliform Count	1 cfu/ 100mL	1 cfu/ 100mL	DoE section 7.8, 7.9.4.1 & 3
Oil and Grease	5 mg/L	5 mg/L	APHA 5520 B

QA/ QC Requirements

5.2.4.4 All in situ monitoring instruments were checked, calibrated and certified by a laboratory accredited under HOKLAS or other international accreditation scheme before use, and subsequently re-calibrated at the intervals according to manufacturer's requirement throughout all stages of the surface water quality monitoring programme. Calibration of temperature, DO, salinity, pH and turbidity is conducted in three-month interval. Calibration of water flow is conducted annually. Responses of sensors and electrodes were checked with certified standard solutions before each use. Calibration for a DO meter was carried out before measurement according to the instruction manual of the equipment model. For the on-site calibration of field equipment, the requirements of the BS 1427:2018, "Guide to on-site test methods for the analysis of waters" was observed.

Decontamination Procedures

5.2.4.5 Water sampling equipment used during the course of the monitoring programme was decontaminated by manual washing and rinsed with clean distilled water after each sampling location.

Sampling Management and Supervision

5.2.4.6 All sampling bottles were labelled with the sample ID (including the indication of sampling station), laboratory number and sampling date. Water samples were dispatched to the testing laboratory for analysis as soon as possible after the sampling. All samples were stored in a cool box and kept at less than 4°C but without frozen. All water samples were handled under chain of custody protocols and relinquished to the laboratory representatives at locations specified by the laboratory. The laboratory determination works started within 24 hours after collection of water samples.

Quality Control Measures for Sample Testing

5.2.4.7 The samples testing was performed by ALS Technichem (HK) Pty Ltd. The following quality control programme was performed by the laboratory:

- One method blank; and
- One sample duplicate.

5.2.5 Monitoring Results

5.2.5.1 Impact surface water quality monitoring was conducted at WM1 & WM2 on 11 June 2025. No adverse weather was observed during reporting period. The detailed monitoring schedule is shown in **Appendix D**.

5.2.5.2 The summary of monitoring results is presented in **Table 5-5**. Detailed monitoring results at each monitoring station and graphical presentations of surface water quality (DO, SS and Turbidity) at the monitoring stations are given in **Appendix F** and **Appendix G.**

5.2.5.3 No particular observations are identified near the monitoring stations during the monitoring period.

Table 5-5 Summary of Impact Surface Water Monitoring Results

Monitoring Parameter(s)	Monitoring Station					
	WM1			WM2		
	Monitoring Results	Action Level	Limit Level	Monitoring Results	Action Level	Limit Level
pH	6.76	>7.7	>7.8	6.6	>7.6	>7.7
DO in mg/L	7.7	<7.4	<4	6.2	<5	<4
Turbidity in NTU	7.6	>9.2	>9.5	16.2	>108.3	>108.9
Electrical Conductivity in µS/cm	69	---	---	166	---	---
SS in mg/L	12.7	>9.7	>11.4	20.2	>94.5	>94.7
Alkalinity in mg/L	14	---		43	---	
COD in mg/L	25			9		
BOD_5 in mg/L	4.0			<2		
TOC in mg/L	6			3		
Ammonia-nitrogen in mg/L	0.11			0.29		
TKN in mg/L	1.5			0.6		
Nitrate in mg/L	0.03			0.08		
Sulphate in mg/L	4			10		
Sulphite in mg/L	<2			<2		
Phosphorus in mg/L	<0.01			<0.01		
Chloride in mg/L	8			8		
Sodium in µg/L	8990			7230		
Magnesium in µg/L	440			980		
Calcium in µg/L	3110			14700		
Potassium in µg/L	980			2250		
Iron in µg/L	370			7680		
Nickel in µg/L	<1			<1		
Zinc in µg/L	112			38		
Manganese in µg/L	68			2510		
Copper in µg/L	6.0			2		
Lead in µg/L	2.0			<1		
Cadmium in µg/L	<0.2			<0.2		
Coliform Count in cfu/100mL	2300			10		
Oil and Grease in mg/L	<5			<5		

Remarks:
1. Orange Text equals to exceed the Action Level.
2. Red Text equals to exceed the Limit Level.

5.2.5.4 The Summary of Impact Surface Water Quality Exceedance are shown in **Table 5-6**.

Table 5-6 Summary of Impact Surface Water Quality Exceedance during the Reporting Period

Surface Water Quality Monitoring Station		WM1		WM2	
Parameters \ Level Exceedance		Action Level	Limit Level	Action Level	Limit Level
pH	Exceedance Date	-	-	-	-
	Exceedance Count	0	0	0	0
DO	Exceedance Date	-	-	-	-
	Exceedance Count	0	0	0	0
Turbidity	Exceedance Date	-	-	-	-
	Exceedance Count	0	0	0	0
SS	Exceedance Date	-	11 Jun 2025*	-	-
	Exceedance Count	0	1*	0	0

Remarks: * equal to non-project related

5.2.5.5 One (1) SS exceedance of Limit Level of surface water quality at WM1 was recorded on 11 June 2025. After investigation of the exceedance on 11 June 2025, the exceedance is non-project related.

5.2.5.6 No exceedance of Action and Limit Level of surface water quality at WM2 was recorded during the reporting period. The Notification of Environmental Quality Limits Exceedance is presented in **Appendix H**.

5.2.6 Recommended Mitigation Measure

5.2.6.1 The recommended surface water mitigation measures from EIA report are listed as followed:

- Channels (both temporary and permanent drainage pipes and culverts), earth bunds or sand bag barriers should be provided on site to direct stormwater to silt removal facilities.
- The overall slope of the site should be kept to a minimum to reduce the erosive potential of surface water flows.
- The design of efficient silt removal facilities should be based on the guidelines in Appendix A1 of ProPECC PN 1/94, which states that the retention time for silts and sediment traps should be 5 minutes under maximum flow conditions.
- All vehicles and plant should be cleaned before leaving a construction site to ensure no earth, mud, debris and the like is deposited by them on roads.
- Construction solid waste, debris and rubbish on site should be collected, handled and disposed of properly to avoid water quality impacts.
- Measures should be taken to prevent the washing away of construction materials, soil, silt or debris into any drainage system.

5.2.7 Implementation of the Temporary Surface Water Drainage System (TSWDS)

5.2.7.1 The site inspection and audits were carried out by ER, IC, ET & Contractor on weekly basis (IEC on monthly basis) to monitor the construction progress, maintenance performance and effectiveness of temporary surface water drainage system in the Project Site to fulfil the FEP Condition 2.13, EP Condition 2.15 and the Section 5.2.1.1 of the Updated EM&A Manual. The joint environmental site inspection records are shown in **Appendix K**.

5.2.7.2 All construction site runoff would be treated by silt removal facilities to fulfil the requirement of WPCO licenses from the project. Construction site runoff from the project after treatment was discharged to Ping Yuen River. The surface water monitoring results at WM2 (after the discharge point of silt removal facilities) can reflect the water quality at Ping Yuen River during the reporting period.

5.2.8 Event and Action Plan

5.2.8.1 Should non-compliance of the criteria occurs, action in accordance with the action plan in **Table 5-7** shall be carried out.

Table 5-7 Event and Action Plan for Water Quality

Event	ET	IEC	Contractor
Action level being exceeded by one sampling day	• Repeat in situ measurement to confirm findings • Identify source(s) of impact • Prepare Notification of Exceedance • Inform IEC and Contractor • Check monitoring data, all plant, equipment and Contractor's working methods • Repeat measurement on next day of exceedance	• Verify Notification of Exceedance • Check monitoring data and Contractor's working methods	• Rectify unacceptable practice • Amend working methods if appropriate
Action level being exceeded by two or more consecutive sampling days	• Repeat in situ measurement to confirm findings • Identify source(s) of impact • Prepare Notification of Exceedance • Inform IEC and Contractor • Check monitoring data, all plant, equipment and Contractor's working methods • Discuss with Contractor and IEC for remedial measures • Ensure mitigation measures are implemented • Increase the monitoring frequency to daily until no exceedance of Action level • Repeat measurement on next day of exceedance	• Verify Notification of Exceedance • Check monitoring data and Contractor's working method • Discuss with ET and Contractor on possible remedial actions • Review the proposed mitigation measures • Supervise the implementation of mitigation measures	• Submit proposal of additional mitigation measures to IEC of notification • Implement the agreed mitigation measures • Amend proposal if appropriate

Event	ET	IEC	Contractor
Limit Level being exceeded by one sampling day	• Repeat in situ measurement to confirm findings • Identify source(s) of impact • Prepare Notification of Exceedance • Inform IEC and Contractor; • Check monitoring data, all plant, equipment and Contractor's working methods • Discuss mitigation measures with IEC and Contractor • Ensure mitigation measure are implemented	• Verify Notification of Exceedance • Check monitoring data submitted By ET and Contractor's working method • Discuss with ET and Contractor on possible remedial actions • Review the proposed mitigation measures • Supervise the implementation of mitigation measures	• Critically review the working method • Rectify unacceptable practice • Take immediate corrective actions to avoid further exceedance • Submit proposal of mitigation measures to IEC • Implement the agreed mitigation measures •
Limit level being exceeded by two or more consecutive sampling days	• Repeat in situ measurement to confirm findings • Identify source(s) of impact • Prepare Notification of Exceedance • Inform IEC, contractor and EPD • Check monitoring data, all plant, equipment and Contractor's working methods • Discuss mitigation measures with IEC and Contractor • Ensure mitigation measure are implemented	• Verify Notification of Exceedance • Check monitoring data submitted by ET and Contractor's working method • Discuss with ET and Contractor on possible remedial actions • Review the proposed mitigation measures • Supervise the implementation of mitigation measures	• Critically review the working method • Rectify unacceptable practice • Take immediate corrective actions to avoid further exceedance • Submit proposal of mitigation measures to IEC • Implement the agreed mitigation measures • Resubmit proposals if problem still not under control • Slow down or to stop relevant activity until exceedance is abated

6 Waste Management

6.1.1 Wastes generated from this Project include inert construction and demolition (C&D) materials and non-inert C&D materials. Non-inert C&D materials were made up of general refuse, steels and paper/cardboard packaging materials. Steel materials generated from the Project were also grouped into non-inert C&D materials as the materials were not disposed of with other inert C&D materials. With reference to relevant handling records and trip tickets of this Project, the quantities of different types of waste generated in the reporting month are summarised in **Appendix J**.

6.1.2 A total of 43,268.36 tonnes of C&D materials was reused in the project site. A total of 63,736 tonnes of C&D materials was reused at alternative disposal ground (NENT Landfill) during the reporting period. A total of 18.75 tonnes of C&D materials was imported fill during the reporting period. No Yard waste (collected to Y-Park) was generated during the reporting period. A total of 185.82 tonnes of general refuse and a total 66.06 tonnes of No non-recyclable yard waste was generated during the reporting period. The general refuse generated from the Project were disposed of at the NENT Landfill.

6.1.3 The recommended waste management mitigation measures from EIA report are listed as followed:

- Implement a trip-ticket system to ensure that the movement of C&D materials are properly documented and verified in accordance with DEVB TC(W) No. 6/2010.
- Concrete and masonry should be used as general fill and steel reinforcement bars can be used by scrap steel mills.
- Proper areas should be designated for waste segregation and storage wherever site conditions permit.
- Maximise the use of reusable steel formwork to reduce the amount of C&D material.
- Maintain temporary stockpiles and reuse excavated fill material for backfilling and reinstatement.
- On-site sorting and segregation facility of all type of wastes is considered as one of the best practice in waste management and hence, should be implemented in all projects generating construction waste.
- The sorted public fill and C&D waste should be properly reused.
- Excavated slope, stockpiled material and bund walls should be covered by tarpaulin until used in order to prevent wind-blown dust during dry weather, and to reduce muddy runoff during wet weather.

7 Landfill Gas Monitoring

7.1 Monitoring Requirement during Construction

Monitoring for Construction Works

7.1.1 Intrinsically safe portable gas detectors should be used during or when working in any confined spaces, which have the potential for presence of LFG and risk of explosion or asphyxiation. The monitoring equipment should alarm, both audibly and visually, when the concentrations of the following gases were exceeded:

- CH_4: >10% Lower Explosion Limit (LEL);
- CO_2: >0.5%; and
- O_2: <18% by volume.

7.2 Monitoring Locations

7.2.1 During the construction works within the NENT Landfill Extension site with excavation of 1m deep or more, LFG concentrations should be monitored before entry and periodically during the progress of works. If drilling is required, the procedures for safety management and working procedures as stipulated in EPD's Landfill Gas Hazard Assessment – Guidance Note should be strictly adopted.

7.2.2 The monitoring frequency and areas to be monitored should be set down prior to commencement of groundworks by the Safety Officer. All measurements in excavations should be made with the monitoring tube located not more than 10mm from the exposed ground surface. Monitoring of excavations should be undertaken as follows:

7.2.3 For excavation works deeper than 1m, measurements should be made:

- at ground surface prior to excavation;
- immediately before any worker enters the 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.

7.2.4 For excavation between 300mm and 1m deep, measurements should be made:

- directly after the excavation has been completed; and
- periodically whilst the excavation remains open.

7.2.5 For excavations less than 300mm deep, monitoring may be omitted, at the discretion of the Safety Officer.

7.2.6 The locations of LFG monitoring locations during reporting period are shown in **Table 7-1**. The Site formation layout plan is shown in **Figure 2** and the Layout of LFG monitoring locations is presented in **Figure 3**.

Table 7-1 Locations of LFG Monitoring during Reporting Period

Monitoring Location	Type of works
Portion A +50 mpD to 70 mpD Platform	Excavation Works
Portion B2/E1	

7.3 Monitoring Equipment

7.3.1.1 Gas Detector was used for carrying out LFG monitoring for Construction Works. **Table 7-2** summarises the equipment that were used in the LFG monitoring programme. The calibration certificates are shown in **Appendix E**. The detection limits are provided in **Table 7-3**.

Table 7-2 LFG Monitoring Equipment

Monitoring Parameters	Equipment	Model
CH_4, CO_2 & O_2	Gas Analyser	Blackline Safety G7C-EU2 (S/N: 3571220922)

Table 7-3 Landfill Gas Monitoring Detection Limits

Parameters	Detection Limit
CH_4	1% LEL
O_2	0.1%
CO_2	0.1%

7.4 Event and Action Plan (EAP)

7.4.1 Should non-compliance of the criteria occur, action in accordance with the action plan in **Table 7-4** shall be carried out.

Table 7-4 Event and Action Plan for the Landfill Gas Monitoring during Construction Phase

Parameter	Monitoring Result	Action
Oxygen (O_2)	Action Level <19% O_2	Ventilate trench/void to restore O_2 to >19%
	Limit Level <18% O_2	Stop works Evacuate personnel/prohibit entry Increase ventilation to restore O_2 to >19%
Methane (CH_4)	Action Level >10% LEL*	Prohibit hot works Increase ventilation to restore CH_4 to <10% LEL
	Limit Level >20% LEL*	Stop works Evacuate personnel/prohibit entry Increase ventilation to restore CH_4 to <10% LEL
Carbon dioxide (CO_2)	Action Level** >0.5%** CO_2	Ventilate to restore CO_2 to <0.5%
	Limit Level >1.5% CO_2	Stop works Evacuate personnel / prohibit entry Increase ventilation to restore CO_2 to <0.5%

* LEL: Lower Explosive Limit - concentrations in air below which there is not enough fuel to continue an explosion.

** This Action Level of CO_2 at 0.5% is set for reference only, assuming no CO_2 emission from a particular location.

Depending on the baseline CO_2 levels, the Action Level at a particular location will be changed.

7.5 Monitoring Results

7.5.1 The LFG monitoring was carried out two rounds (at the beginning of works in the morning and after lunch) at the working days. The monitoring period of each round of LFG monitoring is around 5 minutes.

7.5.2 The LFG monitoring was conducted at Portion A +50 mpD to 70 mpD Platform and Portion B2/E1 during the reporting period (Conducted on working days). The LFG monitoring results are summarized in **Table 7-5** & **Table 7-6**.

Table 7-5 Summary of LFG Monitoring Results

LFG Monitoring Station	Monitoring Date	Monitoring Parameter(s)			
		CH_4 in %	LEL in %/v	CO_2 in %	O_2 in %
		Average Monitoring Results			
Portion A +50 mpD to 70 mpD Platform	2 Jun 2025	0	0	0	20.1
	3 Jun 2025	0	0	0	20.0
	4 Jun 2025	0	0	0	20.0
	5 Jun 2025	0	0	0	20.1
	6 Jun 2025	0	0	0	20.1
	7 Jun 2025	0	0	0	20.1
	9 Jun 2025	0	0	0	20.1
	10 Jun 2025	0	0	0	20.0
	11 Jun 2025	0	0	0	20.1
	12 Jun 2025	0	0	0	20.1
	13 Jun 2025	0	0	0	20.0
	14 Jun 2025	0	0	0	20.1
	16 Jun 2025	0	0	0	20.1
	17 Jun 2025	0	0	0	20.0
	18 Jun 2025	0	0	0	20.0
	19 Jun 2025	0	0	0	20.1
	20 Jun 2025	0	0	0	20.1
	21 Jun 2025	0	0	0	20.1
	23 Jun 2025	0	0	0	20.1
	24 Jun 2025	0	0	0	20.1
	25 Jun 2025	0	0	0	20.1
	26 Jun 2025	0	0	0	20.1
	27 Jun 2025	0	0	0	20.1
	28 Jun 2025	0	0	0	20.0
	30 Jun 2025	0	0	0	20.1
Action Level		>10% LEL	---	>0.5%** CO_2	<19%
Limit Level		>20% LEL	---	>1.5% CO_2	<18%

* LEL: Lower Explosive Limit - concentrations in air below which there is not enough fuel to continue an explosion.

** This Limit Level of CO_2 at 0.5% is set for reference only, assuming no CO_2 emission from a particular location.

Table 7-6 Summary of LFG Monitoring Results

LFG Monitoring Station	Monitoring Date	Monitoring Parameter(s)			
		CH_4 in %	LEL in %/v	CO_2 in %	O_2 in %
		Average Monitoring Results			
Portion B2/E1	2 Jun 2025	0	0	0	20.1
	3 Jun 2025	0	0	0	20.0
	4 Jun 2025	0	0	0	20.0
	5 Jun 2025	0	0	0	20.1
	6 Jun 2025	0	0	0	20.1
	7 Jun 2025	0	0	0	20.1
	9 Jun 2025	0	0	0	20.1
	10 Jun 2025	0	0	0	20.0
	11 Jun 2025	0	0	0	20.1
	12 Jun 2025	0	0	0	20.1
	13 Jun 2025	0	0	0	20.0
	14 Jun 2025	0	0	0	20.1
	16 Jun 2025	0	0	0	20.1
	17 Jun 2025	0	0	0	20.0
	18 Jun 2025	0	0	0	20.0
	19 Jun 2025	0	0	0	20.1
	20 Jun 2025	0	0	0	20.1
	21 Jun 2025	0	0	0	20.1
	23 Jun 2025	0	0	0	20.1
	24 Jun 2025	0	0	0	20.1
	25 Jun 2025	0	0	0	20.1
	26 Jun 2025	0	0	0	20.1
	27 Jun 2025	0	0	0	20.1
	28 Jun 2025	0	0	0	20.0
	30 Jun 2025	0	0	0	20.1
Action Level		>10% LEL	---	>0.5%** CO_2	<19%
Limit Level		>20% LEL	---	>1.5% CO_2	<18%

* LEL: Lower Explosive Limit - concentrations in air below which there is not enough fuel to continue an explosion.

** This Limit Level of CO_2 at 0.5% is set for reference only, assuming no CO_2 emission from a particular location.

7.5.3 The Summary of Landfill Gas Exceedance are shown in **Table 7-7**.

Table 7-7 Summary of Landfill Gas Exceedance during the Reporting Period

Landfill Gas Monitoring Station		Portion A +50 mpD to 70 mpD Platform		Portion B2/E1	
Parameters \ Level Exceedance		Action Level	Limit Level	Action Level	Limit Level
CH_4	Exceedance Date	-	-	-	-
	Exceedance Count	0	0	0	0
CO_2	Exceedance Date	-	-	-	-
	Exceedance Count	0	0	0	0
O_2	Exceedance Date	-	-	-	-
	Exceedance Count	0	0	0	0

Remarks: * equal to non-project related

7.5.4 No exceedance of Action and Limit Levels of LFG was recorded during the reporting period. Therefore, there was no record of Notification of Environmental Quality Limits Exceedance in the **Appendix H**.

7.5.5 No effect that arose from the other special phenomena and work progress of the concerned site was noted during the current monitoring month.

7.6 Recommended Mitigation Measures

7.6.1 The recommended landfill gas mitigation measures from EIA report are listed as followed:

- Special LFG precautions should be taken due to close proximity of NENT landfill extension site to existing landfill to avoid potential hazards of LFG exposure (ignition, explosion, asphyxiation, toxicity).
- Prominent safety warning signs should be erected on-site to alert all personnel and visitors of LFG hazards during excavation works.
- No smoking or burning should be permitted on-site.
- Prominent 'No smoking' and ‘No Naked Flames’ signs should be erected on-site.
- No worker should be allowed to work alone at any time in excavated trenches or confined areas on-site.
- Adequate fire fighting equipment should be provided on-site.
- Construction equipment should be equipped with vertical exhaust at least 0.6m above ground installed with spark arrestors.
- Electrical motors and extension cords should be explosion-proof and intrinsically safe for use on-site.
- ’Permit to Work' system should be implemented.
- Welding, flame-cutting or other hot works should be conducted only under ‘Permit to Work’ system following clear safety requirements, gas monitoring procedures and presence of qualified persons to supervise the works.

8 Landscape and Visual

8.1 Monitoring Requirement

8.1.1 In order to monitor the landscape and visual impact after providing mitigation measures effectively, all the specified and affected LCAs, LRs and VSRs should be monitored. Implementation of the mitigation measures during construction phase of the Project has been monitored through the regular site inspection/audit.

8.1.2 All relevant environmental mitigation measures listed in the approved EIA Report and the Updated EM&A Manual and their implementation status are summarised in **Appendix L**.

8.2 Result and Observation

8.2.1 Measures to mitigate the landscape and visual impacts during the construction phase has been checked to ensure compliance with the intended aims of the measures within the reporting period. The progress of the engineering works are regularly reviewed on site to identify the earliest practical opportunities for the landscape works to be undertaken.

8.2.2 In order to monitor the landscape and visual impact after providing mitigation measures effectively, all the specified and affected LCAs, LRs and VSRs should be monitored. Implementation of the mitigation measures during construction phase of the Project has been monitored through the regular site inspection/audit.

9 Cultural Heritage

9.1.1 The Mitigation measures for preservation of the cultural landscape feature located within the project area was conducted before commencement of construction of the project based on the requirement of Survey Report and Mapping Records for Boulder Paths BP1 & 2 & Conditions of G2, G4, G5 G6, G7, G8, G14, G15, G25, G26 and G27 within NENTX.

9.1.2 The survey and mapping works carried out on 23 August 2022 and the verification works carried out on 23 August 2022 confirmed that both 2 boulder paths BP1 and BP2 are fall outside the site boundary and the Project area.

9.1.3 All the affected graves within the waste boundary have been removed in accordance with section 119(1) of the Public Health and Municipal Services Ordinance (Cap 132). Removal of the graves as shown on Figure 2 attached to the FEP was proven by the visit of graves on 8 July 2022. All the graves as shown on Figure 2 attached to the FEP were abandoned and removed and no mitigation or preservation measures is necessary.

9.1.4 The Survey Report and Mapping Records for Boulder Paths BP1 & 2 was certified by ET on 10 Oct 2022, was verified by IEC and submitted to EPD on 12 Oct 2022. The Conditions of G2, G4, G5 G6, G7, G8, G14, G15, G25, G26 and G27 within NENTX was certified by ET, was verified by IEC and submitted to EPD on 15 Oct 2022. No later than four weeks before commencement of construction of the project in accordance with Condition 2.4 of the FEP-02/292/2007.

9.1.5 Implementation of the mitigation measures such as permanent fencing to protect the boulder path and setting up warning notices during construction phase of the Project has been monitored through the regular site inspection/audit. The permanent fencing locations are shown in **Appendix M**. In case of any presence of undiscovered grave during construction phase, AMO will be informed as soon as possible.

10 Ecological Monitoring

10.1.1 The post-transplantation monitoring had been completed in October 2023. No further post-transplantation monitoring will be conducted in accordance with the requirement of the approved Transplantation Proposal for Plant Species of Conservation Importance (Rev.1).

10.1.2 The post-translocation monitoring had been completed in July 2023. No further post-translocation monitoring will be conducted in accordance with the requirements of the Revised Translocation Proposal for the Endemic Freshwater Crab *Somanniathelphusa zanklon*.

10.1.3 The details of requirements, monitoring results and site inspection with photos for the post-translocation monitoring and post-transplantation monitoring would be reported separately.

10.1.4 The milestone of the ecological monitoring is presented in **Table 10-1.** The softcopies of the submissions are provided in https://www.nentx-ema.com/ep-submissions/.

Table 10-1 Milestone of the Ecological Monitoring

Type of Monitoring	Monitoring Event No.	Monitoring Date
Post-transplantation Monitoring	1st	24 Nov 2022
	2nd	9 Dec 2022
	3rd	21 Dec 2022
	4th	13 Jan 2023
	5th	26 Jan 2023
	6th	8 Feb 2023
	7th	24 Feb 2023
	8th	20 Mar 2023
	9th	21 Apr 2023
	10th	12 May 2023
	11th	16 Jun 2023
	12th	18 Jul 2023
	13th	11 Aug 2023
	14th	15 Sep 2023
	15 th	13 Oct 2023
Post-translocation Monitoring	1st (Aug 2022)	29 Aug 2022
	2nd (Sep 2022)	28 Sep 2022
	3rd (Oct 2022)	28 Oct 2022
	4th (Nov 2022)	22 Nov 2022
	5th (Dec 2022)	29 Dec 2022
	6th (Jan 2023)	30 Jan 2023
	7th (Feb 2023)	24 Feb 2023
	8th (Mar 2023)	20 Mar 2023
	9th (Apr 2023)	19 Apr 2023
	10th (May 2023)	17 May 2023
	11th (Jun 2023)	7 Jun 2023
	12th (Jul 2023)	12 Jul 2023

11 Site Inspection and Audit

11.1.1 Site Inspection and audits were carried out by ET on weekly basis to monitor the implementation of proper environmental management practices and mitigation measures in the Project Site.

11.1.2 Weekly ET environmental site inspections were conducted in the reporting period on 02, 09, 17, 23 & 30 June 2025. A joint environmental site inspection was carried out by the representatives of the ER, the Contractor, IEC and the ET on 17 June 2025. The joint environmental site inspection records are shown in **Appendix K**. There was no noncompliance recorded during the site inspections.

11.1.3 Major findings and recommendations are summarized as follows:

02 Jun 2025

Observation(s):

1. Access road at Portion E4 was dry and dust dispersion was found. The Contractor was recommended to increase the frequency of watering at unpaved haul road.
2. Standing water was found at Portion E4. The Contractor was advised to clean up the standing water.
3. The damage of earth bunds at Shek Tsai Ha Road were found. The Contractor was recommended to repair the earth bunds along the Shek Tsai Ha Road.

Reminder(s):

1. The Contractor was reminded that the control measures of surface runoff should be implemented in accordance with Appendix A2 of ProPECC PN 1/94.

09 Jun 2025

Observation(s):

1. Chemical Containers without drip tray was found at Portion A. The Contractor was advised the chemical containers should be placed on the drip tray.

Reminder(s):

1. The Contractor was reminded that the control measures of surface runoff should be implemented in accordance with Appendix A2 of ProPECC PN 1/94.

17 Jun 2025

Observation(s):

1. Standing water was found at the access road near 60 mPD Platform of Portion A. The Contractor was recommended that the rainwater at the access road near 60 mPD Platform of Portion A should be pumped to silt removal facility for treatment.
2. Accumulation of waste was found at 60 mPD Platform, access road near 50 mPD Platform of Portion A and Portion E4. The Contractor was advised that the frequency of collection of general refuse and C&D Materials should be increased at Portion A and E4.

Reminder(s):

1. The Contractor was reminded that the control measures of surface runoff should be implemented in accordance with Appendix A2 of ProPECC PN 1/94.

23 Jun 2025

Observation(s):

1. Accumulated waste was found on Platform 55 mPD of Portion A. The Contractor was recommended to remove the accumulated waste regularly.
2. Standing water was found on Platform 55 mPD of Portion A. The Contractor was advised to direct the standing water to silt removal facility for treatment.

Reminder(s):

1. The Contractor was reminded that the control measures of surface runoff should be implemented in accordance with Appendix A2 of ProPECC PN 1/94.

30 Jun 2025

Observation(s):

1. Accumulated Waste was found at Portion D. The Contractor was recommended to remove the general refuse and C&D Materials regularly.
2. Damage of earth bunds was found at Shek Tsui Ha Road. The Contractor was advised to repair the earth bunds and review the status of earth bunds regularly to ensure the effectiveness of earth bunds.

Reminder(s):

1. The Contractor was reminded that the control measures of surface runoff should be implemented in accordance with Appendix A2 of ProPECC PN 1/94.
2. The Contractor was reminded to check the status of channels, earth bunds or sandbag barriers to ensure the construction runoff can be directed to silt removal facilities for treatment properly.

11.1.4 Two (2) general site inspection was conducted by Environmental Protection Department-Regional Office (North) (EPD-RNG) during the reporting period.

12 Environmental Non-Conformance

12.1 Summary of Monitoring Exceedance

Air Quality, Noise Monitoring & Landfill Gas Monitoring

12.1.1 No exceedance of the Action and Limit Levels were recorded at designated monitoring stations during the reporting period. The Notification of Environmental Quality Limits Exceedance is presented in **Appendix H**.

12.1.2 The Summary of Impact 1-hr & 24-hr TSP Exceedance are shown in **Table 12-1**.

Table 12-1 Summary of Impact 1-hr & 24-hr TSP Exceedance during the Reporting Period

Dust Monitoring Station		AM1		AM2		AM3	
Parameters / Level Exceedance		Action Level	Limit Level	Action Level	Limit Level	Action Level	Limit Level
1-hr TSP	Exceedance Date	-	-	-	-	-	-
	Exceedance Count	0	0	0	0	0	0
24-hr TSP	Exceedance Date	-	-	-	-	-	-
	Exceedance Count	0	0	0	0	0	0

Remarks: * equal to non-project related

12.1.3 The Summary of Impact Noise Exceedance are shown in **Table 12-2**.

Table 12-2 Summary of Impact Noise Exceedance during the Reporting Period

Noise Monitoring Station		NM1(a)		NM2(a)	
Parameters / Level Exceedance		Action Level	Limit Level	Action Level	Limit Level
LA_{eq}(30mins)	Exceedance Date	-	-	-	-
	Exceedance Count	0	0	0	0

Remarks: * equal to non-project related

12.1.4 The Summary of Landfill Gas Exceedance are shown in **Table 12-3**.

Table 12-3 Summary of Landfill Gas Exceedance during the reporting period

Landfill Gas Monitoring Station		Portion A +50 mpD to 70 mpD Platform		Portion B2 / E1	
Parameters \ Level Exceedance		Action Level	Limit Level	Action Level	Limit Level
CH_4	Exceedance Date	-	-	-	
	Exceedance Count	0	0	0	
CO_2	Exceedance Date	-	-	-	
	Exceedance Count	0	0	0	
O_2	Exceedance Date	-	-	-	
	Exceedance Count	0	0	0	

Remarks: * equal to non-project related

Surface Water Quality Monitoring

12.1.5 One (1) SS exceedance of Limit Level of surface water quality at WM1 was recorded on 11 June 2025. After investigation of the exceedance on 11 June 2025, the exceedance is non-project related.

12.1.6 No exceedance of Action and Limit Level of surface water quality at WM2 was recorded during the reporting period.

12.1.7 The Summary of Impact Surface Water Quality Exceedance are shown in **Table 12-4**. The Notification of Environmental Quality Limits Exceedance is presented in **Appendix H**.

Table 12-4 Summary of Impact Surface Water Quality Exceedance during the Reporting Period

Surface Water Quality Monitoring Station		WM1		WM2	
Parameters \ Level Exceedance		Action Level	Limit Level	Action Level	Limit Level
pH	Exceedance Date	-	-	-	-
	Exceedance Count	0	0	0	0
DO	Exceedance Date	-	-	-	-
	Exceedance Count	0	0	0	0
Turbidity	Exceedance Date	-	-	-	-
	Exceedance Count	0	0	0	0
SS	Exceedance Date	-	11 Jun 2025*	-	-
	Exceedance Count	0	1*	0	0

Remarks: * equal to non-project related

12.2 Summary of Environmental Non-Compliance

12.2.1 No non-compliance event was recorded during the reporting period.

12.3 Summary of Environmental Complaint

12.3.1 No environmental complaint was recorded during the reporting period. The cumulative statistics on environmental complaints are presented in **Table 12-5**.

Table 12-5 Cumulative Statistics on Environmental Complaints

Reporting Period		Environmental Aspects				
		Air Quality	Noise	Water Quality	Waste	Ecology
Jun 2025	Complaint Date	-	-	-	-	-
	No. of Complaint	0	0	0	0	0
Reporting Period Total		0	0	0	0	0
Accumulate of project		1*	0	7(1*)	0	0

Remarks:

1. * equal to non-project related after the investigation.
2. # equal to the complaint under the investigation.

12.3.2 Cumulative complaint / enquiry log, Summaries of complaints and enquiries are presented in **Appendix N**.

12.4 Summary of Environmental Summons and Successful Prosecution

12.4.1 No summons and successful prosecution were received during the reporting period.

13 Implementation Status on Environmental Mitigation Measures

13.1 General

13.1.1 The Contractor has generally implemented part of environmental mitigation measures and requirements as stated in the EIA Report, the EP and Updated EM&A Manual and the contract documents. The implementation status during the reporting period is summarized in **Appendix L**.

14 Future Key Issues

14.1 Key Issues for the Coming Month

14.1.1 Works to be undertaken for the coming monitoring periods are summarized below. Detailed construction activities and locations are summarized in **Appendix A**.

-	Material loading and unloading, backfilling of material and site traffic at Portion A, SBA to alternative disposal ground
-	Construction of site buildings at Portion D
-	Site clearance at Portion A, B2/E1, E3-1 & E4
-	Installation of permanent fencing at Portion A, B1 & E4
-	Site formation at Portion A, B2/E1, E3-1 & E4
-	Tree felling at whole site
-	Shotcreting (Permanent and Temporary) at whole site
-	Soil nail installation at Portion A, B2/E1 & E4
-	Installation of minipile at Portion A
-	Construction of RE wall at Portion E3-1

14.1.2 Potential environmental impacts arising from the above construction activities are mainly associated with air quality, construction noise, water quality, waste management, landfill gas monitoring, landscape and visual, cultural heritage and ecology.

14.2 Monitoring Schedule for the Next Month

14.2.1 The tentative schedule of environmental monitoring for the next reporting period is presented in **Appendix D**.

14.3 Construction Programme for the Next Month

14.3.1 The most updated construction programme for the Project is presented in **Appendix A**.

15 Conclusion

15.1.1 1-hr & 24-hr TSP impact monitoring was carried out in the reporting month. No Action / Limit Level exceedance for 1-hr & 24-hr TSP impact monitoring was recorded during the period.

15.1.2 Construction noise monitoring was carried out in the reporting month. No Action / Limit Level exceedance at NM1a & NM2a was recorded during the period.

15.1.3 The baseline groundwater monitoring was commenced on 28 March 2025. The details of baseline groundwater monitoring will be presented in the Baseline Monitoring Report.

15.1.4 Surface Water Quality Monitoring was carried out in the reporting month. One (1) SS exceedance of Limit Level of surface water quality at WM1 was recorded on 11 June 2025. After investigation of the exceedance on 11 June 2025, the exceedance is non-project related. No Action / Limit Level exceedance of surface water quality was recorded at WM2 during the reporting period.

15.1.5 Landfill Gas Monitoring was carried out in the reporting month. No exceedance of Action / Limit Levels of LFG was recorded during the reporting period.

15.1.6 In terms of cultural heritage, implementation of the mitigation measures such as permanent fencing to protect the boulder path and setting up warning notices during construction phase of the Project has been monitored through the regular site inspection/audit in the reporting period. All the mitigation measures are in order.

15.1.7 Weekly environmental site inspections were carried out in the reporting month. Recommendations on mitigation measures for Permit/ Licenses were given to the Contractor for remediating the deficiencies identified during the site inspections.

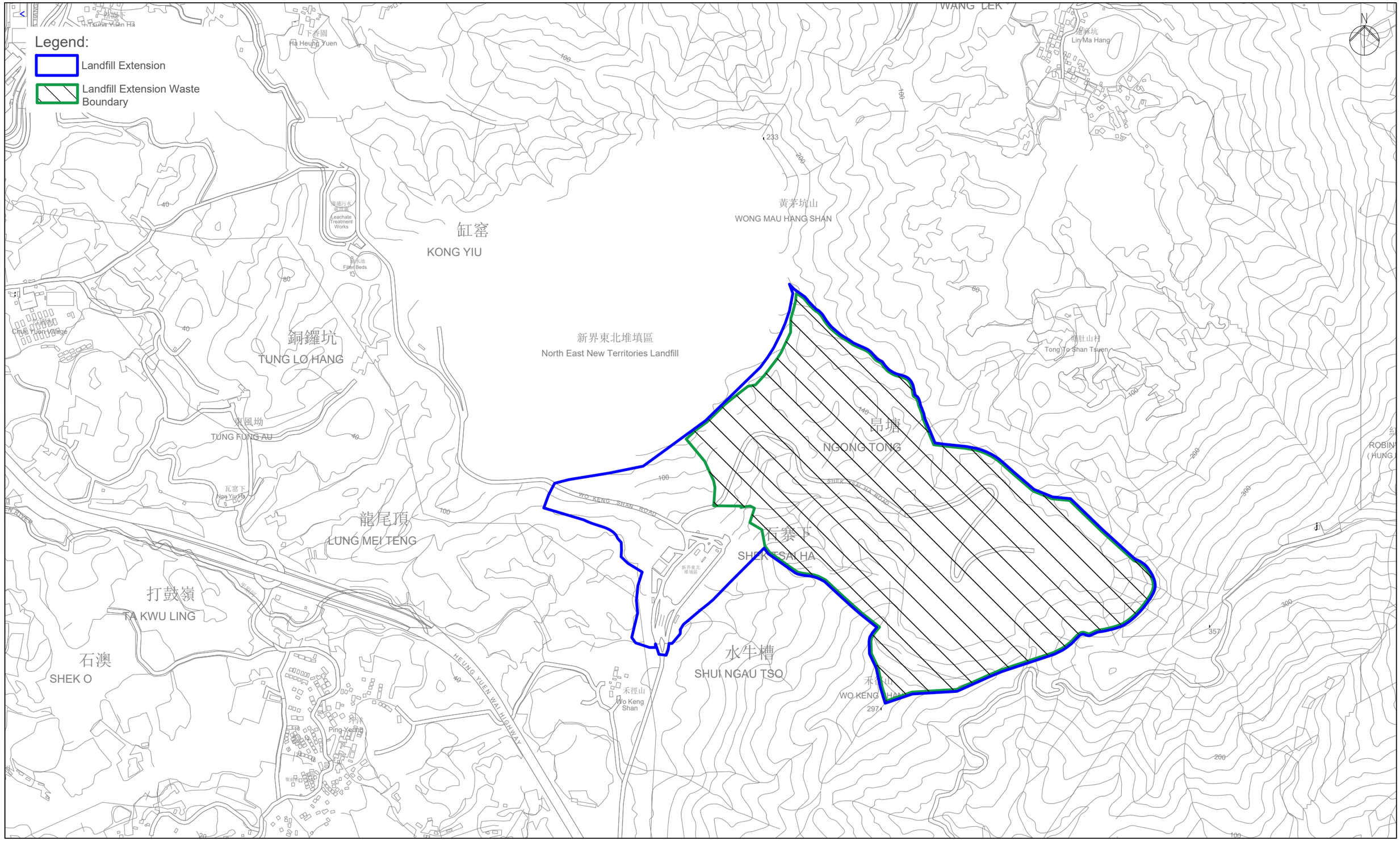
15.1.8 No environmental complaint was recorded during the reporting period.

15.1.9 No non-compliance event was recorded during the reporting period.

15.1.10 No notification of summons and prosecution was received during the reporting period.

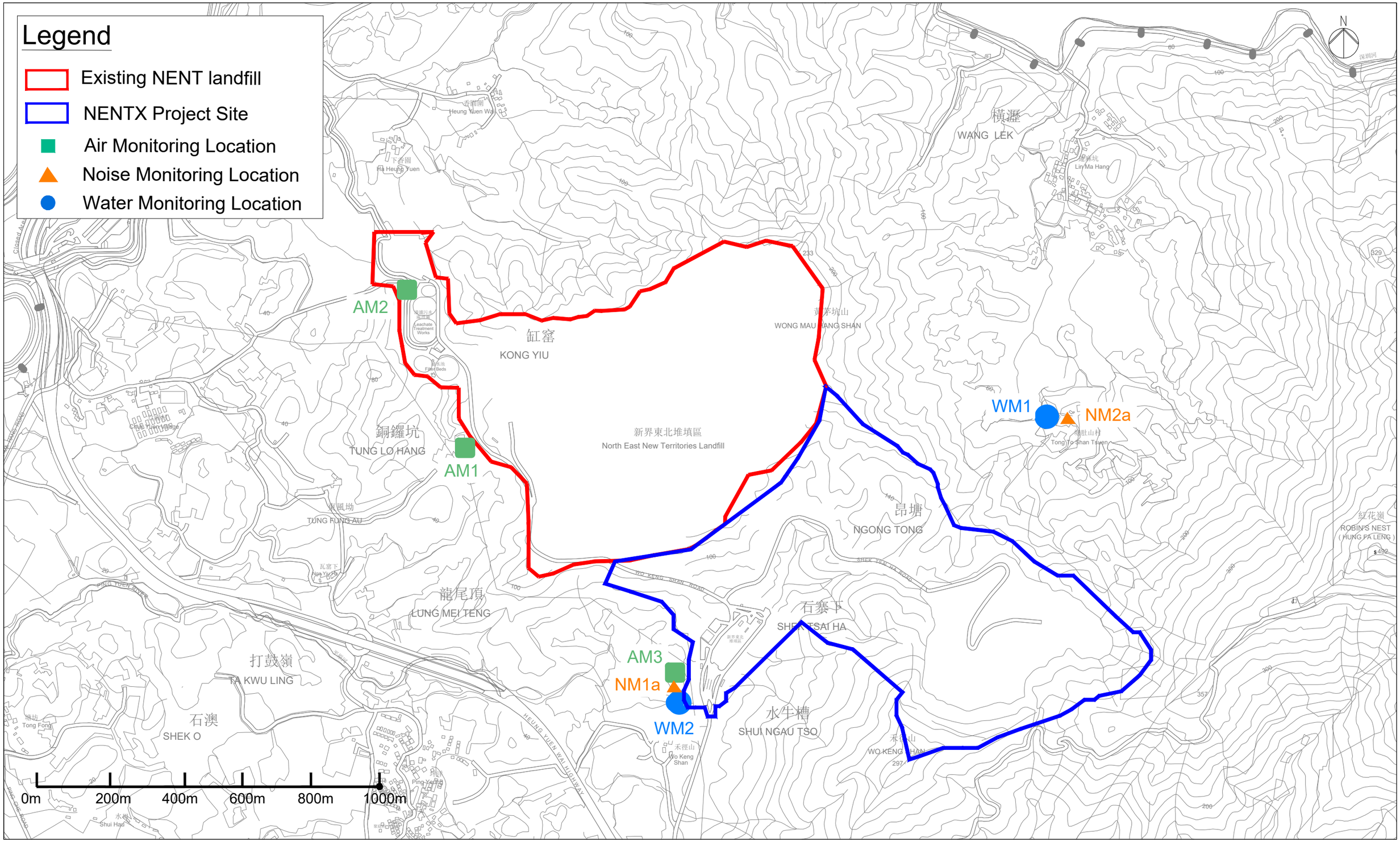
15.1.11 The ET will keep track on the EM&A programme to ensure compliance of environmental requirements and the proper implementation of all necessary mitigation measures.

Figure 1 Location of the Project Site



aurecon Aurecon Hong Kong Limited	North-East New Territories (NENT) Landfill Extension Location Plan of the Project Site	Figure 1.1 Scale: 1:10000

Figure 2 Impact Air Quality, Noise & Surface Water Quality Monitoring Locations

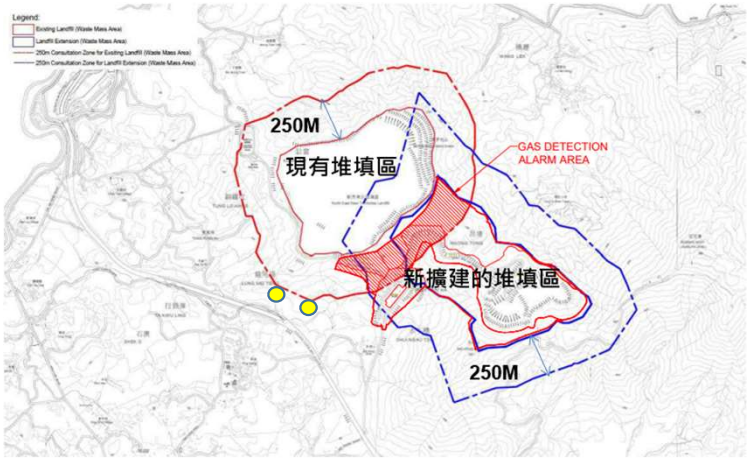


aurecon Aurecon Hong Kong Limited	North East New Territories (NENT) Landfill Extension Impact Monitoring Location	Figure 2

Figure 3 Landfill Gas Monitoring Locations

Gas Monitoring Point

Monitoring Frequency: 2 times per day



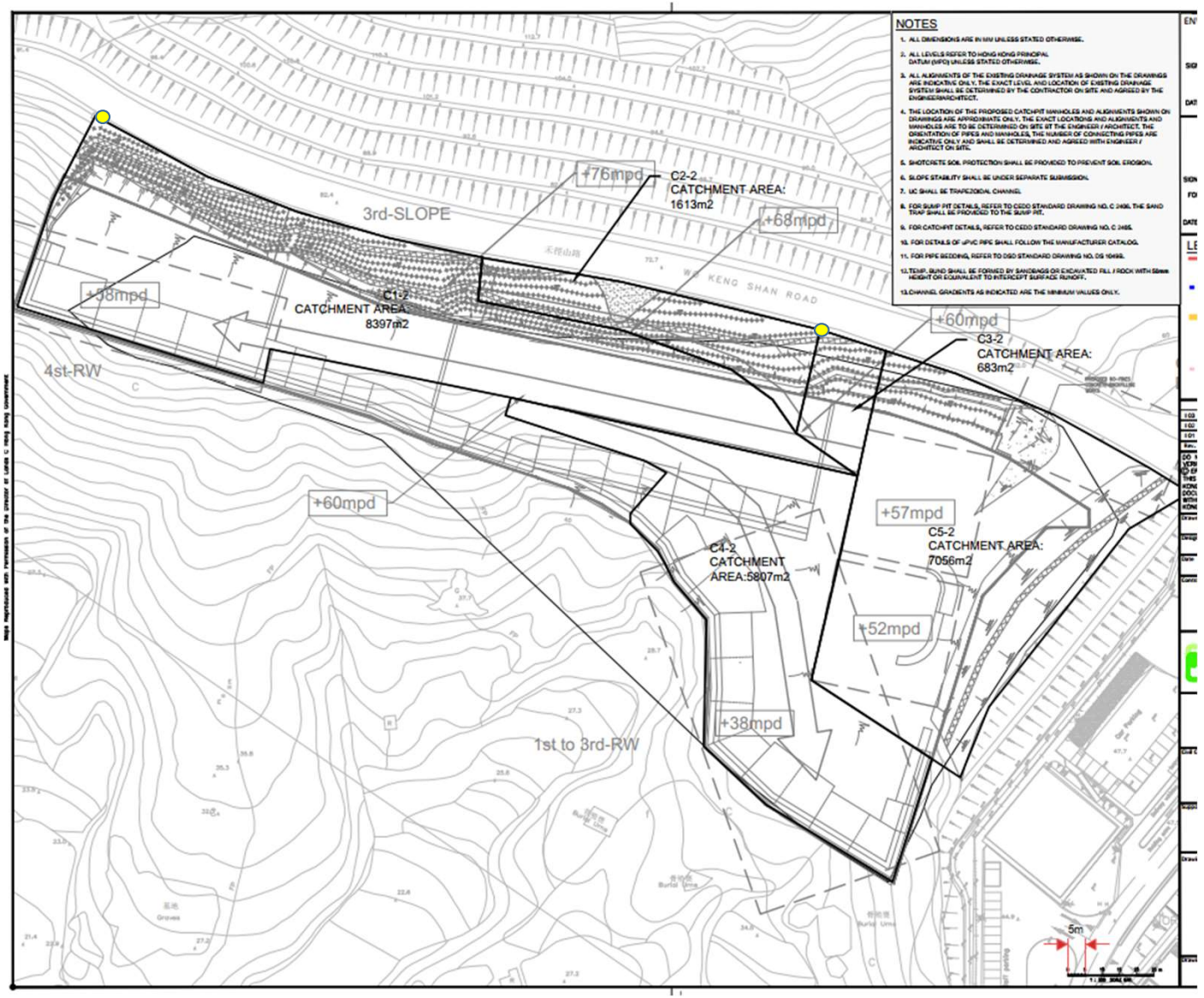


Figure 3 Landfill Gas Monitoring Locations

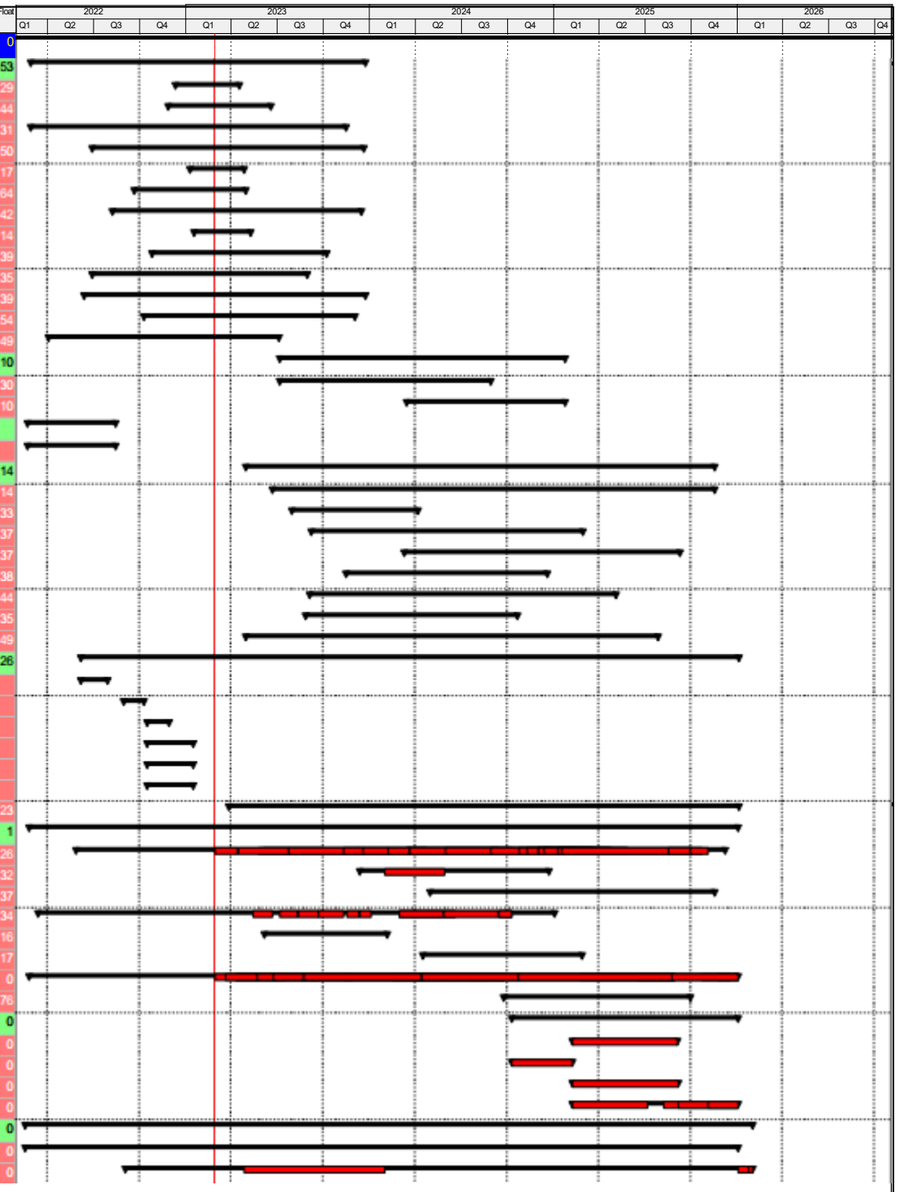
Gas Monitoring Point

Monitoring Frequency:
2 times per day

Figure 3 Landfill Gas Monitoring Locations

Appendix A Construction Programme & Construction Activities

Activity ID	Activity Name	At Completion Duration	Actual Start	Actual Finish	Early Start	Early Finish	Late Start	Late Finish	Predecessors	Successors	Total Float
NENTX_Updated Baseline Programme (Rev.4)		1826	25-Jan-22 A	25-Jan-27	28-Feb-23	25-Jan-27	28-Feb-23	25-Jan-27			0
DESIGN DEVELOPMENT		666	28-Feb-22 A	25-Dec-23	28-Feb-23	25-Dec-23	02-Mar-23	16-Feb-24			53
Portion A - Site Formation		91	12-Dec-22 A	17-Apr-23	28-Feb-23	17-Apr-23	07-Apr-23	26-May-23			29
Portion A & D Architectural Design		205	28-Nov-22 A	20-Jun-23	28-Feb-23	20-Jun-23	14-Mar-23	03-Aug-23			44
Portion A - Leachate Treatment Works & LFG Treatment Plant		626	28-Feb-22 A	15-Nov-23	28-Feb-23	15-Nov-23	05-Apr-23	16-Dec-23			31
Portion A - Process Building		540	30-Jun-22 A	21-Dec-23	28-Feb-23	21-Dec-23	04-Apr-23	09-Feb-24			50
Portion D Site Formation		109	10-Jan-23 A	28-Apr-23	04-Apr-23	28-Apr-23	20-Apr-23	15-May-23			17
Portion A and D Preliminary Utilities Arrangement		159	21-Sep-22 A	01-May-23	28-Feb-23	01-May-23	26-May-23	28-Jul-23			64
Site services detailed design for Portion A and D		496	09-Aug-22 A	17-Dec-23	28-Feb-23	17-Dec-23	11-Apr-23	28-Jan-24			42
Permanent Drainage - Portion A, C & D		80	19-Jan-23 A	10-May-23	28-Feb-23	10-May-23	20-Mar-23	30-May-23			14
Sewerage Management Plan - Portion A, C & D		249	26-Oct-22 A	09-Oct-23	25-Apr-23	09-Oct-23	19-Jun-23	01-Dec-23			39
Pavement Road and Traffic Design for Portoin A & D		306	30-Jun-22 A	31-Aug-23	06-Jul-23	31-Aug-23	24-Aug-23	19-Oct-23			35
Accommodation Buildings (Portion D)		401	13-Jun-22 A	25-Dec-23	28-Feb-23	25-Dec-23	08-Mar-23	16-Feb-24			39
Existing Structures (Portion C)		301	10-Oct-22 A	04-Dec-23	28-Feb-23	04-Dec-23	06-May-23	16-Feb-24			54
Landfill Area		457	04-Apr-22 A	05-Jul-23	28-Feb-23	05-Jul-23	02-Mar-23	23-Aug-23			49
FS Submisson and FSD Consent		406	07-Jul-23	24-Jan-25	07-Jul-23	24-Jan-25	21-Jul-23	07-Feb-25			10
Preliminary FS Submission		300	07-Jul-23	29-Aug-24	07-Jul-23	29-Aug-24	21-Jul-23	11-Oct-24			30
Process Building and Fire Services Building Detailed Design FS Submission		226	15-Mar-24	24-Jan-25	15-Mar-24	24-Jan-25	29-Mar-24	07-Feb-25			10
TECHNICAL SUBMISSION		125	22-Feb-22 A	16-Aug-22 A							
Project Control Plan and Report		125	22-Feb-22 A	16-Aug-22 A							
PROCUREMENT / FABRICATION / DELIVERY		933	01-May-23	18-Nov-25	01-May-23	18-Nov-25	18-Jun-23	03-Dec-25			14
General Material		880	23-Jun-23	18-Nov-25	23-Jun-23	18-Nov-25	07-Jul-23	03-Dec-25			14
LIFT		250	31-Jul-23	06-Apr-24	31-Jul-23	06-Apr-24	03-Sep-23	09-May-24			33
LTW - GFS and GRP Tanks		540	07-Sep-23	28-Feb-25	07-Sep-23	28-Feb-25	14-Oct-23	06-Apr-25			37
LTW - Lamella Settlers		550	10-Mar-24	10-Sep-25	10-Mar-24	10-Sep-25	15-Apr-24	17-Oct-25			37
LTW - Sludge Thicknening		400	16-Nov-23	20-Dec-24	16-Nov-23	20-Dec-24	24-Dec-23	27-Jan-25			38
LTW - Ammonia Stripper		610	04-Sep-23	06-May-25	04-Sep-23	06-May-25	19-Oct-23	20-Jun-25			44
Process Building(Electrial equipments)		420	28-Aug-23	21-Oct-24	28-Aug-23	21-Oct-24	03-Oct-23	25-Nov-24			35
LFG Plant		820	01-May-23	28-Jul-25	01-May-23	28-Jul-25	18-Jun-23	15-Sep-25			49
EPD REQUIREMENT - GI WORKS		1309	07-Jun-22 A	05-Jan-26	28-Mar-23	05-Jan-26	27-Apr-23	31-Jan-26			26
PORTION D		45	07-Jun-22 A	30-Jul-22 A							
PORTION A		32	31-Aug-22 A	11-Oct-22 A							
PORTION E3-1		38	17-Oct-22 A	30-Nov-22 A							
PORTION E4		76	17-Oct-22 A	17-Jan-23 A							
PORTION E3-1-A		76	17-Oct-22 A	17-Jan-23 A							
PORTION E1		76	17-Oct-22 A	17-Jan-23 A							
ENVIRONMENTAL MONITORING		821	28-Mar-23	05-Jan-26	28-Mar-23	05-Jan-26	27-Apr-23	31-Jan-26			23
CONSTRUCTION - INITIAL WORKS PHASE 1		1409	24-Feb-22 A	03-Jan-26	28-Feb-23	03-Jan-26	28-Feb-23	03-Jan-26			1
PORTION A		1291	28-May-22 A	08-Dec-25	28-Feb-23	08-Dec-25	28-Feb-23	03-Jan-26			26
SITEWIDE Underground UTILITIES (Portion A to Portion D)		302	14-Dec-23	23-Dec-24	14-Dec-23	23-Dec-24	02-Feb-24	08-Feb-25			32
Waste Reception Area (PORTION C) Construct by Others		460	02-May-24	18-Nov-25	02-May-24	18-Nov-25	27-May-24	03-Jan-26			37
PORTION D		1028	14-Mar-22 A	04-Jan-25	28-Feb-23	04-Jan-25	04-Mar-23	08-Feb-25			34
PORTION D - Underground Drainage / UG Utilities and Pipe Laying Works		200	07-Jun-23	05-Feb-24	07-Jun-23	05-Feb-24	28-Jun-23	01-Mar-24			16
PORTION D - EVA Road Road Pavement Works		257	16-Apr-24	27-Feb-25	16-Apr-24	27-Feb-25	07-May-24	19-Mar-25			17
Landfill Area (Portion E3-1, E4, E1, B1-1 & B2)		1409	24-Feb-22 A	03-Jan-26	28-Feb-23	03-Jan-26	28-Feb-23	03-Jan-26			0
Landscape Works (Landfill)		300	24-Sep-24	30-Sep-25	24-Sep-24	30-Sep-25	27-Dec-24	03-Jan-26			76
FS INSPECTION		450	11-Oct-24	04-Jan-26	11-Oct-24	04-Jan-26	11-Oct-24	04-Jan-26			0
Portion A - Readiness for FS inspection (Process Building)		210	07-Feb-25	05-Sep-25	07-Feb-25	05-Sep-25	08-Feb-25	06-Sep-25			0
Portion D : Readiness for FS inspection		120	11-Oct-24	08-Feb-25	11-Oct-24	08-Feb-25	11-Oct-24	08-Feb-25			0
2nd Inspection		210	07-Feb-25	06-Sep-25	07-Feb-25	06-Sep-25	08-Feb-25	06-Sep-25			0
FS Inspection Certificate		330	08-Feb-25	04-Jan-26	08-Feb-25	04-Jan-26	08-Feb-25	04-Jan-26			0
STATUTORY SUBMISSION		1446	16-Feb-22 A	01-Feb-26	28-Feb-23	01-Feb-26	02-Mar-23	01-Feb-26			0
Obtain Licences & Permits for Construction		1418	16-Feb-22 A	03-Jan-26	28-Feb-23	03-Jan-26	02-Mar-23	04-Jan-26			0
Obtain Licences & Permits for Operation		1246	04-Sep-22 A	01-Feb-26	28-Feb-23	01-Feb-26	15-Mar-23	01-Feb-26			0



環境保護署
Environmental Protection Department

Remaining Level of Effort
Remaining Work
Critical Remaining Work
Milestone
Summary

NORTH EAST NEW TERRITORIES (NENTX) LANDFILL EXTENSION
UPDATED BASELINE PROGRAMME (Rev.4)
Ececutive Summary
INITIAL WORKS (PHASE 1)

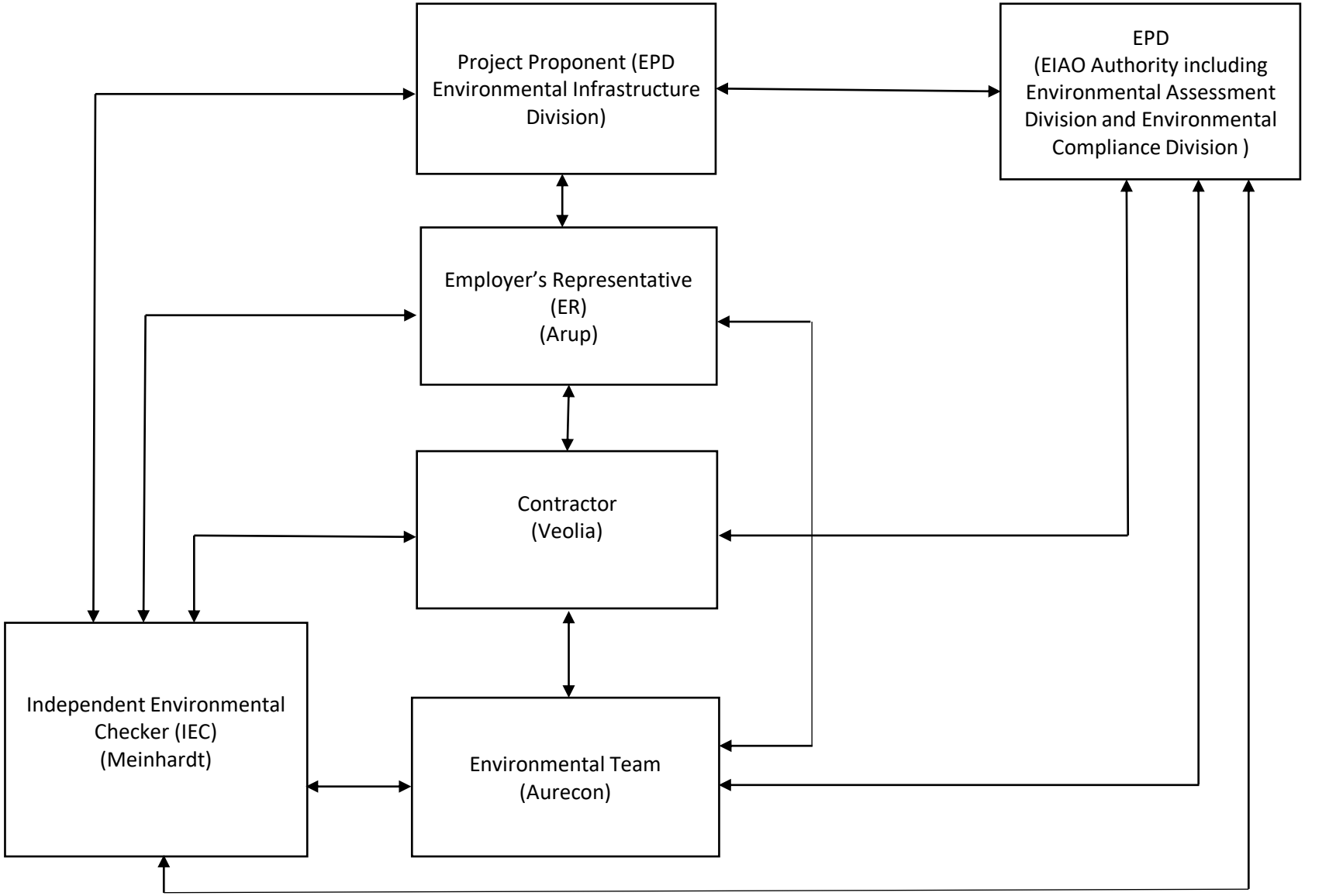
VEOLIA

Date	Revision	Ch...	Appr...
22-Jun-22	GENERAL REVISION		
31-Mar-23	GENERAL REVISION		

Construction Activities	Where	Who	What - ENV Impacts	Mitigation Measures
Material loading and unloading, backfilling of material, site traffic	Portion A, SBA to Alternative Disposal Ground	PCL	Dust, bringing mud to the common haul road	Speed limit, covering of materials and water spraying, lorry washing at the exit of the site
Construction of Site buildings	Portion D	PCL	Washout flowing to site water discharge point, dust emissions	Avoid the spillage of concrete, lorry washing at designated area, operation and maintenance of water treatment facility at discharge point
Site clearance	Portion A, Portion E3-1, Portion E4, Portion E1/B2	PCL	Wash out going to surface water channel and site water discharge point, generation of yard waste	Cover exposed slope by tarpaulin, diversion of surface water, operation and maintenance of water treatment facility at discharge point, implementation of trip ticket system
Installation of permanent fencing	Portion A, Portion B1, Portion E4	PCL	Dust	Covering of cement storage area, enclosure of mixing area
Site formation	Portion A, Portion E3-1, Portion E4, Portion E1/B2	PCL	Generation of C&D waste	Implementation of trip ticket system, waste recycling, internal waste transfer
Tree Felling	Whole site	PCL	Generation of yard waste	Implementation of trip ticket system, waste recycling, internal waste transfer
Shotcreting (permanent and temporary)	Whole site	PCL	Dust	Covering of cement storage area, enclosure of mixing area
Soil Nail Installation	Portion A, E1/B2, E4	PCL	Dust	Covering of cement storage area, enclosure of mixing area, watering during works, install dust screen at work area
Installation of minipile	Portion A	PCL	Dust, generation of muddy water	Use of dust shield, regular watering, construct proper drainage to divert muddy water to treatment facility
Construction of RE Wall	Portion E3-1	PCL	Dust	Regular watering

Remark:
PCL is the Sub-contractor for this project

Appendix B Project Organization Chart & Management Structure



Notes:
EPD - Environmental Protection Department
Arup – Ove Arup & Partners Limited
Veolia - Veolia Environmental Services Hong Kong Limited
Meinhardt - Meinhardt Infrastructure And Environment Limited
Aurecon - Aurecon Hong Kong Limited

Line of Communication

Appendix C Detail Status of FEP & EP Submission

Detail Status of Submissions required under the FEP & EP

FEP Condition	EP Condition	Submission / Measures	Status
2.1	2.3	Management Organization of Main Construction Companies	Submission Date (12 Oct 2022)
2.2	2.4	Setting up of Community Liaison Group (CLG)	Submission Date (12 Oct 2022) 1st CLG meeting (12 Jan 2023)
2.3	2.5	Submission of EM&A Manual	Submission Date (12 Oct 2022)
2.4	2.6	Submission of Preservation of Cultural Landscape Features	Survey and Preservation of Grave Records: Submission Date (15 Oct 2022) Survey and Preservation of Boulder Paths: Submission Date (12 Oct 2022)
2.5	2.7	Submission of Vegetation Survey (Transplantation Proposal)	Submission Date (2 Sep2022)
2.6	2.8	Submission of translocation proposal	Submission Date (8 Jul 2022)
2.7	2.9	Submission of Transplantation Report and Post-Transplantation Monitoring	Submission Date (19 Jan 2023) 1st monitoring (24 Nov 2022) 2nd monitoring (9 Dec 2022) 3rd monitoring (21 Dec 2022) 4th monitoring (13 Jan 2023) 5th monitoring (26 Jan 2023) 6th monitoring (8 Feb 2023) 7th monitoring (24 Feb 2023) 8th monitoring (20 Mar 2023) 9th monitoring (21 Apr 2023) 10th monitoring (12 May 2023) 11th monitoring (16 Jun 2023) 12th monitoring (18 Jul 2023) 13th monitoring (11 Aug 2023) 14th monitoring (15 Sep 2023) 15th monitoring (13 Oct 2023)

FEP Condition	EP Condition	Submission / Measures	Status
2.8	2.10	Submission of Translocation Report and Post-Translocation Monitoring	Translocation was carried out in July 2022 Submission Date (27 Dec 2022) 1st monitoring (29 Aug 2022) 2nd monitoring (28 Sep 2022) 3rd monitoring (28 Oct 2022) 4th monitoring (22 Nov 2022) 5th monitoring (29 Dec 2022) 6th monitoring (30 Jan 2023) 7th monitoring (24 Feb 2023) 8th monitoring (20 Mar 2023) 9th monitoring (19 Apr 2023) 10th monitoring (17 May 2023) 11th monitoring (7 Jun 2023) 12th monitoring (12 Jul 2023)
2.9	2.11	Submission of Detailed Landfill Gas Hazard Assessment Report	Submission Date (6 Oct 2022)
2.10	2.12	Submission of Waste Management Plan	Submission Date (30 Dec 2022)
3.2	3.2	Submission of Baseline Monitoring Report	Submission Date (30 Nov 2022)

FEP Condition	EP Condition	Submission / Measures	Status
3.3	3.3	Submission of Monthly EM&A Report	1st report (Dec 2022) 2nd report (Jan 2023) 3rd report (Feb 2023) 4th report (Mar 2023) 5th report (Apr 2023) 6th report (May 2023) 7th report (Jun 2023) 8th report (Jul 2023) 9th report (Aug 2023) 10th report (Sep 2023) 11th report (Oct 2023) 12th report (Nov 2023) 13th report (Dec 2023) 14th report (Jan 2024) 15th report (Feb 2024) 16th report (Mar 2024) 17th report (Apr 2024) 18th report (May 2024) 19th report (Jun 2024) 20th report (Jul 2024) 21st report (Aug 2024) 22nd report (Sep 2024) 23rd report (Oct 2024) 24th report (Nov 2024) 25th report (Dec 2024) 26th report (Jan 2025) 27th report (Feb 2025) 28th report (Mar 2025) 29th report (Apr 2025) 30th report (May 2025) 31st report (Jun 2025)

Appendix D Monitoring Schedule for Reporting Month & Next Month

6-2025						
Sun	**Mon**	**Tue**	**Wed**	**Thur**	**Fri**	**Sat**
1	**2**	**3**	**4**	**5** Air quality monitoring at AM1, AM2 and AM3 Noise monitoring at NM1a and NM2a	**6**	**7**
8	**9**	**10**	**11** Air quality monitoring at AM1, AM2 and AM3 Noise monitoring at NM1a and NM2a Surface water quality monitoring at WM1 & WM2	**12**	**13**	**14**
15	**16**	**17** Air quality monitoring at AM1, AM2 and AM3 Noise monitoring at NM1a and NM2a	**18**	**19**	**20**	**21**
22	**23** Air quality monitoring at AM1, AM2 and AM3 Noise monitoring at NM1a and NM2a	**24**	**25**	**26**	**27**	**28** Air quality monitoring at AM1, AM2 and AM3
29	**30**	1	2	3	4	5

Remark:
1. The schedule is tentative only and would be subject to changes due to unforeseen circumstances.
2. Air quality monitoring includes 1-hour TSP and 24-hour TSP monitoring at AM1, AM2 and AM3 (Ref.: Table 3.1 of the approved EM&A Manual).
3. Noise monitoring includes 30-minute construction noise monitoring at NM1a and NM2a (Ref.: Table 4.1 of the approved EM&A Manual).
4. Surface water quality monitoring includes in-situ measurement and water sampling for laboratory analysis at WM1 and WM2 (Ref.: Table 5.5 and Section 5.5.6 of the approved EM&A Manual).
5. Please arrange a Veolia staff to accompany our staff(s) to each locations for every monitoring.

7-2025						
Sun	**Mon**	**Tue**	**Wed**	**Thur**	**Fri**	**Sat**
29	30	**1**	**2**	**3**	**4** Air quality monitoring at AM1, AM2 and AM3 Noise monitoring at NM1a and NM2a	**5**
6	**7**	**8**	**9**	**10** Air quality monitoring at AM1, AM2 and AM3 Noise monitoring at NM1a and NM2a	**11**	**12**
13	**14**	**15** Noise monitoring at NM1a and NM2a Surface water quality monitoring at WM1 & WM2	**16** Air quality monitoring at AM1, AM2 and AM3	**17**	**18**	**19**
20	**21**	**22** Air quality monitoring at AM1, AM2 and AM3 Noise monitoring at NM1a and NM2a	**23**	**24**	**25**	**26**
27	**28** Air quality monitoring at AM1, AM2 and AM3 Noise monitoring at NM1a and NM2a	**29**	**30**	**31**	1	2

Remark:

1. The schedule is tentative only and would be subject to changes due to unforeseen circumstances.
2. Air quality monitoring includes 1-hour TSP and 24-hour TSP monitoring at AM1, AM2 and AM3 (Ref.: Table 3.1 of the approved EM&A Manual).
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4. Surface water quality monitoring includes in-situ measurement and water sampling for laboratory analysis at WM1 and WM2 (Ref.: Table 5.5 and Section 5.5.6 of the approved EM&A Manual).
5. Please arrange a Veolia staff to accompany our staff(s) to each locations for every monitoring.

Appendix E Calibration Certificates

Air Quality

Sibata LD-5R K-Factor Verification Test by Total Suspended Particulates HVS Test Report

Information of Calibrated Equipement

Verification Test Date:	**13-Sep-24**	to	**14-Sep-24**	Next Verification Test Date:	**12-Sep-25**
Unit-under-Test- Model No.:	Sibata LD-5R				
Unit-under-Test Serial No.:	0Z4545				
Our Report Refrence No.:	RPT-23-HVS-0065				
Calibration Location:	AM2, location near the Leachate Treatment Works within the NENTX Landfill				

Standard Equipment Information

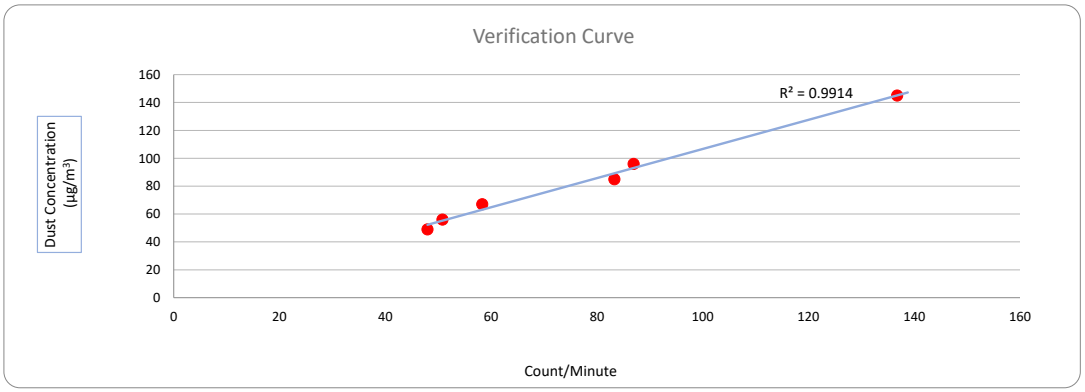
Verification Equipment Type:	Tisch TSP HVS	Tisch HVS Calibrator
Standard Equipment Model No.:	TE-5170X	TE-5025A
Equipment serial no.:	1106	3465
Last Calibration Date:	13-Sep-24	16-Jan-24
Next Calibration Date:	12-Sep-25	15-Jan-25

Equipement Vertification Result

Verification Test No.	Date	Duration			Results from Calibrated Equipement		Results from Standard Equipment
		Start-time	End-time	Elapsed Time (in min)	Total Counts	Counts/ Minute x-axis	Dust Concentration (µg/m^3) y-axis
1	28/11/23	8789.68	8792.68	180.00	15648	87	96
2	28/11/23	8792.68	8795.68	180.00	14993	83	85
3	28/11/23	8795.68	8798.68	180.00	8635	48	49
4	30/11/23	8798.68	8801.68	180.00	10501	58	67
5	30/11/23	8801.68	8804.68	180.00	24622	137	145
6	30/11/23	8804.68	8807.68	180.00	9145	51	56

Linear Regression of y on x

Slope, K factor:	**1.0451**	Intercept:	**2.1545**	*Correlation Coefficient,R:	**0.9957**
Verification Test Result:	Strong Correlation, Results were accepted.			* If the Correlation Coefficient, R is <0.5. Checking and Re-verification are required.	



Operated By: Andy Li — Date: 14-09-2024
Project Technician, Environmental

Checked By: Tandy Tse — Date: 14-09-2024
Senior Consultant, Environmental

Sibata LD-5R K-Factor Verification Test by Total Suspended Particulates HVS Test Report

Information of Calibrated Equipement

Verification Test Date:	**13-Sep-24**	to	**14-Sep-24**	Next Verification Test Date:	**12-Sep-25**
Unit-under-Test- Model No.:	Sibata LD-5R				
Unit-under-Test Serial No.:	882106				
Our Report Refrence No.:	RPT-23-HVS-0068				
Calibration Location:	AM2, location near the Leachate Treatment Works within the NENTX Landfill				

Standard Equipment Information

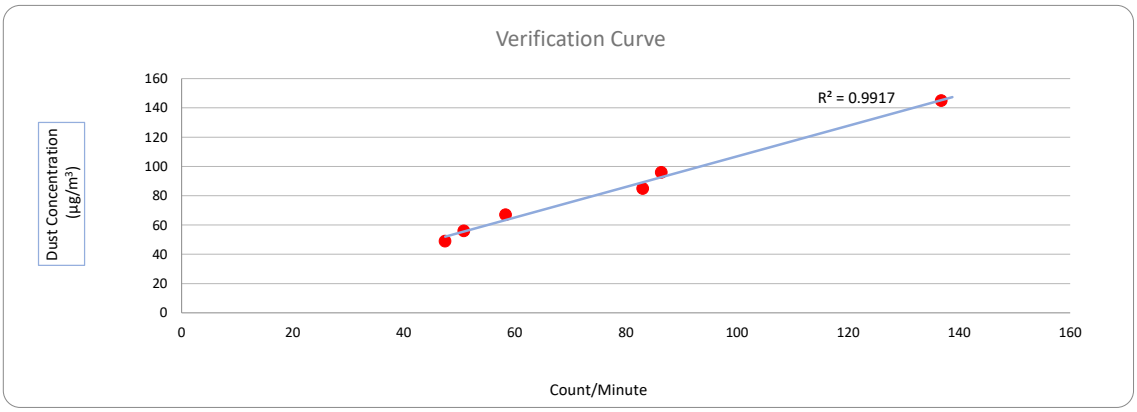
Verification Equipment Type:	Tisch TSP HVS	Tisch HVS Calibrator
Standard Equipment Model No.:	TE-5170X	TE-5025A
Equipment serial no.:	1106	3465
Last Calibration Date:	13-Sep-24	16-Jan-24
Next Calibration Date:	12-Sep-25	15-Jan-25

Equipement Vertification Result

Verification Test No.	Date	Duration			Results from Calibrated Equipement		Results from Standard Equipment
		Start-time	End-time	Elapsed Time (in min)	Total Counts	Counts/ Minute x-axis	Dust Concentration (µg/m^3) y-axis
1	28/11/23	8789.68	8792.68	180.00	15546	86	96
2	28/11/23	8792.68	8795.68	180.00	14944	83	85
3	28/11/23	8795.68	8798.68	180.00	8543	47	49
4	30/11/23	8798.68	8801.68	180.00	10499	58	67
5	30/11/23	8801.68	8804.68	180.00	24622	137	145
6	30/11/23	8804.68	8807.68	180.00	9145	51	56

Linear Regression of y on x

Slope, K factor:	**1.0437**	Intercept:	**2.4993**	*Correlation Coefficient,R:	**0.9958**
Verification Test Result:	Strong Correlation, Results were accepted.			* If the Correlation Coefficient, R is <0.5. Checking and Re-verification are required.	



Operated By: Andy Li — Date: 14-09-2024
Project Technician, Environmental

Checked By: Tandy Tse — Date: 14-09-2024
Senior Consultant, Environmental

Sibata LD-5R K-Factor Verification Test by Total Suspended Particulates HVS Test Report

Information of Calibrated Equipement

Verification Test Date:	**13-Sep-24**	to	**14-Sep-24**	Next Verification Test Date:	**12-Sep-25**
Unit-under-Test- Model No.:	Sibata LD-5R				
Unit-under-Test Serial No.:	942532				
Our Report Refrence No.:	RPT-23-HVS-0071				
Calibration Location:	AM2, location near the Leachate Treatment Works within the NENTX Landfill				

Standard Equipment Information

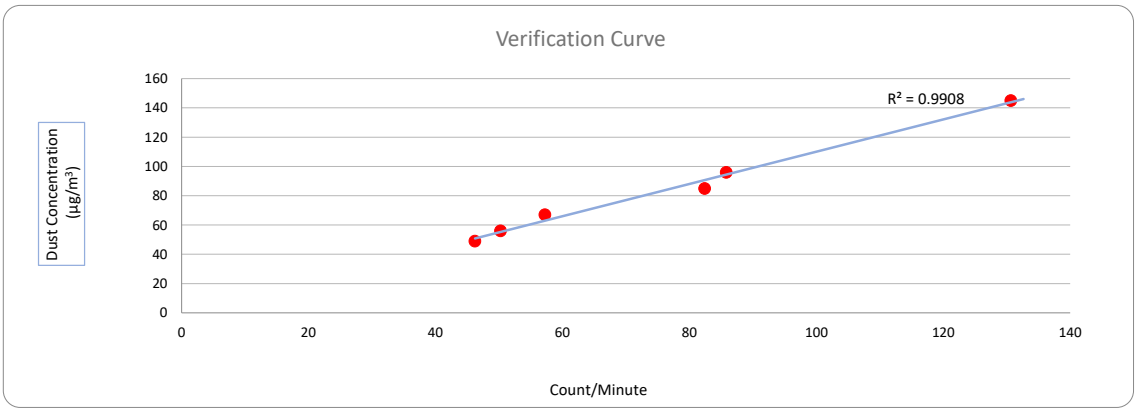
Verification Equipment Type:	Tisch TSP HVS	Tisch HVS Calibrator
Standard Equipment Model No.:	TE-5170X	TE-5025A
Equipment serial no.:	1106	3465
Last Calibration Date:	13-Sep-24	16-Jan-24
Next Calibration Date:	12-Sep-25	15-Jan-25

Equipement Vertification Result

Verification Test No.	Date	Duration			Results from Calibrated Equipement		Results from Standard Equipment
		Start-time	End-time	Elapsed Time (in min)	Total Counts	Counts/ Minute x-axis	Dust Concentration (µg/m^3) y-axis
1	28/11/23	8789.68	8792.68	180.00	15446	86	96
2	28/11/23	8792.68	8795.68	180.00	14835	82	85
3	28/11/23	8795.68	8798.68	180.00	8320	46	49
4	30/11/23	8798.68	8801.68	180.00	10303	57	67
5	30/11/23	8801.68	8804.68	180.00	23517	131	145
6	30/11/23	8804.68	8807.68	180.00	9043	50	56

Linear Regression of y on x

Slope, K factor:	**1.1020**	Intercept:	**-0.1223**	*Correlation Coefficient,R:	**0.9954**
Verification Test Result:	Strong Correlation, Results were accepted.			* If the Correlation Coefficient, R is <0.5. Checking and Re-verification are required.	



Operated By: Andy Li — Date: 14-09-2024
Project Technician, Environmental

Checked By: Tandy Tse — Date: 14-09-2024
Senior Consultant, Environmental

HIVOL SAMPLER CALIBRATION DATA SHEET (TSP)

Site Information

Location:	**Representative For Tung Lo Hang**	**Site ID:**	**AM1**	**Cal Date:** **Exp Date:**	**7/4/2025** **6/6/2025**
Serial No:	**1105**	**Model:**	**TE-5170X**	**Operator:**	**Andy Li**

Ambient Condition

Actual Pressure during Calibration (P_a) (mm Hg):	763.0	**Actual Temperature during Calibration (T_a) (deg K):**	295.0

Calibration Orifice

Model:	TE-5025A	**Slope (m_c):**	2.06920
Serial No.:	3465	**Intercept (b_c):**	-0.02547
Calibration Due Date:	15-Jan-25	**Corr. Coeff:**	0.99999

Calibration Data

Plate or Test #	ΔH_2O (in)	Qa, X-Axis (m^3/min)	I, CFM (chart)	IC, Y-Axis (corrected)
18	8.20	1.406	61.0	61.43
13	7.40	1.336	59.0	59.42
10	6.50	1.253	54.0	54.38
7	4.60	1.056	44.0	44.31
5	3.40	0.910	39.0	39.28

Sampler Calibtation Relationship (Qa on x-axis, IC on y-axis)

m= 46.7159 b= -3.9338 Corr. Coeff= 0.9963

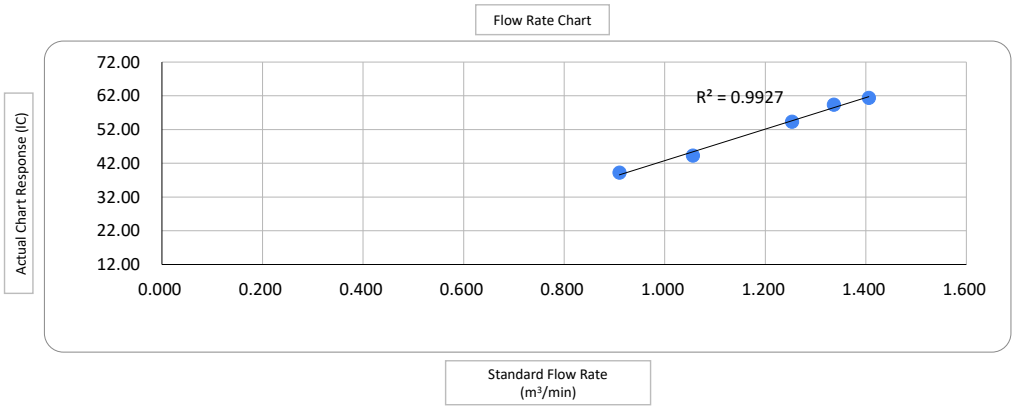
Calculations

$Qa = 1/m_c * [Sqrt (\Delta H_2O * (P_a/P_{Std}) * (T_{Std}/T_a)) - b_c]$

$IC = I * (Sqrt (P_a/P_{Std}) * (T_{Std}/T_a))$

Qa = actual flow rate
IC = corrected chart response
I = actual chart response
m_c = calibrator slope
b_c = calibrator intercept

m = sampler slope
b = sampler intercept
T_{Std} = 298 deg K
P_{Std} = 760 mm Hg
T_a = actual temperature during calibration (deg K)
P_a = actual pressure during calibration (mm Hg)



Checked by: F.C Tsang
Monitoring Team Leader

Date: 08-Apr-2025

HIVOL SAMPLER CALIBRATION DATA SHEET (TSP)

Site Information

Location:	**Representative For Tung Lo Hang**	**Site ID:**	**AM1**	**Cal Date:** **Exp Date:**	**5/6/2025** **5/8/2025**
Serial No:	**1105**	**Model:**	**TE-5170X**	**Operator:**	**Andy Li**

Ambient Condition

Actual Pressure during Calibration (P_a) (mm Hg):	756.4	**Actual Temperature during Calibration (T_a) (deg K):**	301.0

Calibration Orifice

Model:	TE-5025A	**Slope (m_c):**	2.08107
Serial No.:	3465	**Intercept (b_c):**	-0.04295
Calibration Due Date:	15-Jan-25	**Corr. Coeff:**	0.99999

Calibration Data

Plate or Test #	ΔH_2O (in)	Qa, X-Axis (m^3/min)	I, CFM (chart)	IC, Y-Axis (corrected)
18	12.60	1.714	60.0	59.57
13	10.40	1.559	58.0	57.58
10	8.40	1.403	53.0	52.62
7	6.40	1.227	46.0	45.67
5	3.00	0.847	38.0	37.72

Sampler Calibtation Relationship (Qa on x-axis, IC on y-axis)

m= 26.6399 b= 14.6633 Corr. Coeff= 0.9908

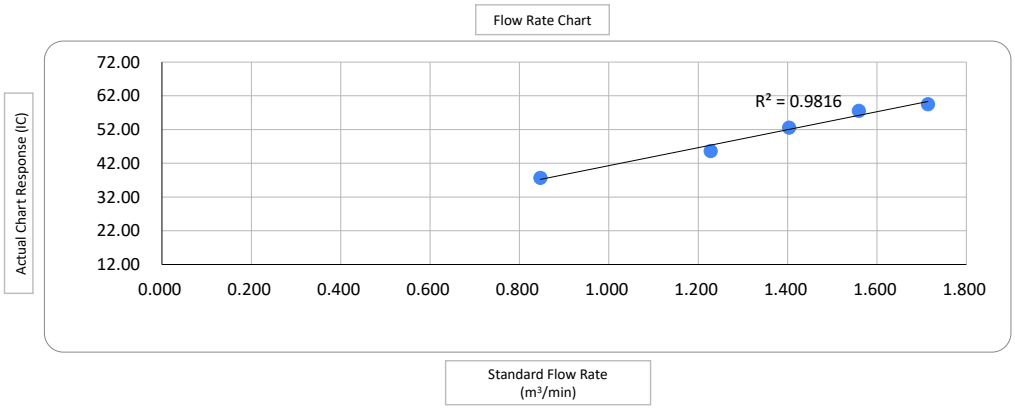
Calculations

$Qa = 1/m_c * [Sqrt (\Delta H_2O * (P_a/P_{Std}) * (T_{Std}/T_a)) - b_c]$

$IC = I * (Sqrt (P_a/P_{Std}) * (T_{Std}/T_a))$

Qa = actual flow rate
IC = corrected chart response
I = actual chart response
m_c = calibrator slope
b_c = calibrator intercept

m = sampler slope
b = sampler intercept
T_{Std} = 298 deg K
P_{Std} = 760 mm Hg
T_a = actual temperature during calibration (deg K)
P_a = actual pressure during calibration (mm Hg)



Checked by: F.C Tsang
Monitoring Team Leader

Date: 08-Jun-2025

HIVOL SAMPLER CALIBRATION DATA SHEET (TSP)

Site Information

Location:	**Representative For Heung YuenWai**	**Site ID:**	**AM2**	**Cal Date:** **Exp Date:**	**7/4/2025** **6/6/2025**
Serial No:	**1106**	**Model:**	**TE-5170X**	**Operator:**	**Andy Li**

Ambient Condition

Actual Pressure during Calibration (P_a) (mm Hg):	763.0	**Actual Temperature during Calibration (T_a) (deg K):**	295.0

Calibration Orifice

Model:	TE-5025A	**Slope (m_c):**	2.06920
Serial No.:	3465	**Intercept (b_c):**	-0.02547
Calibration Due Date:	15-Jan-25	**Corr. Coeff:**	0.99999

Calibration Data

Plate or Test #	ΔH_2O (in)	Qa, X-Axis (m^3/min)	I, CFM (chart)	IC, Y-Axis (corrected)
18	8.30	1.414	61.0	61.43
13	7.30	1.327	58.0	58.41
10	6.80	1.281	56.0	56.40
7	4.40	1.033	44.0	44.31
5	3.00	0.855	40.0	40.28

Sampler Calibtation Relationship (Qa on x-axis, IC on y-axis)

m= 39.8884 b= 5.0044 Corr. Coeff= 0.9923

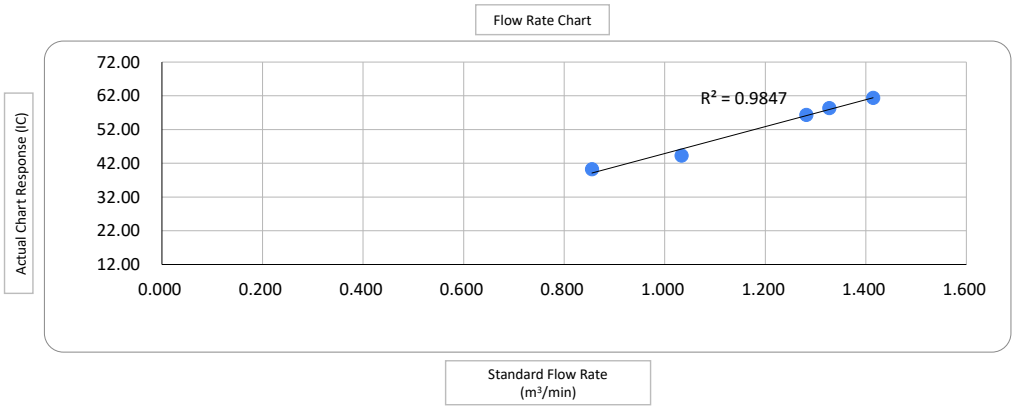
Calculations

$Qa = 1/m_c * [Sqrt (\Delta H_2O * (P_a/P_{Std}) * (T_{Std}/T_a)) - b_c]$

$IC = I * (Sqrt (P_a/P_{Std}) * (T_{Std}/T_a))$

Qa = actual flow rate
IC = corrected chart response
I = actual chart response
m_c = calibrator slope
b_c = calibrator intercept

m = sampler slope
b = sampler intercept
T_{Std} = 298 deg K
P_{Std} = 760 mm Hg
T_a = actual temperature during calibration (deg K)
P_a = actual pressure during calibration (mm Hg)



Checked by: F.C Tsang
Monitoring Team Leader

Date: 08-Apr-2025

HIVOL SAMPLER CALIBRATION DATA SHEET (TSP)

Site Information

Location:	**Representative For Heung YuenWai**	**Site ID:**	**AM2**	**Cal Date:** **Exp Date:**	**5/6/2025** **5/8/2025**
Serial No:	**1106**	**Model:**	**TE-5170X**	**Operator:**	**Andy Li**

Ambient Condition

Actual Pressure during Calibration (P_a) (mm Hg):	756.4	**Actual Temperature during Calibration (T_a) (deg K):**	301.0

Calibration Orifice

Model:	TE-5025A	**Slope (m_c):**	2.08107
Serial No.:	3465	**Intercept (b_c):**	-0.04295
Calibration Due Date:	2-Dec-25	**Corr. Coeff:**	0.99999

Calibration Data

Plate or Test #	ΔH_2O (in)	Qa, X-Axis (m^3/min)	I, CFM (chart)	IC, Y-Axis (corrected)
18	10.20	1.544	62.0	61.55
13	9.60	1.499	58.0	57.58
10	7.40	1.318	52.0	51.62
7	4.60	1.044	44.0	43.68
5	3.50	0.913	36.0	35.74

Sampler Calibtation Relationship (Qa on x-axis, IC on y-axis)

m= 37.3151 b= 2.8828 Corr. Coeff= 0.9911

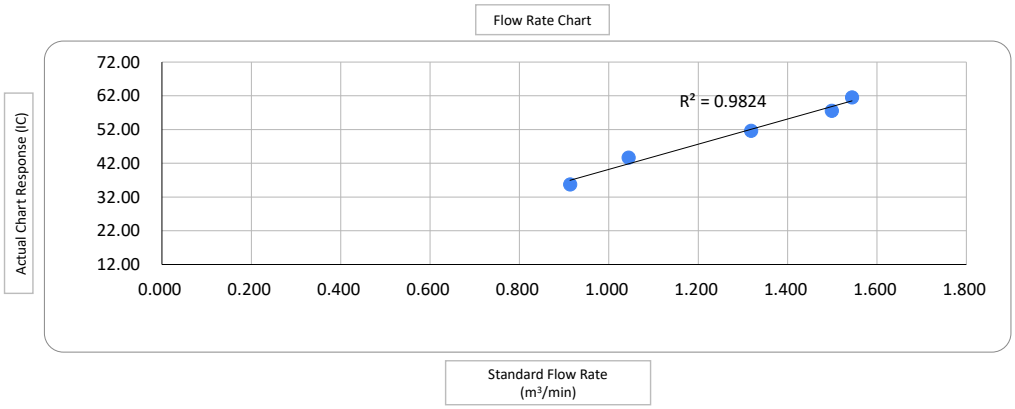
Calculations

$Qa = 1/m_c * [Sqrt (\Delta H_2O * (P_a/P_{Std}) * (T_{Std}/T_a)) - b_c]$

$IC = I * (Sqrt (P_a/P_{Std}) * (T_{Std}/T_a))$

Qa = actual flow rate
IC = corrected chart response
I = actual chart response
m_c = calibrator slope
b_c = calibrator intercept

m = sampler slope
b = sampler intercept
T_{Std} = 298 deg K
P_{Std} = 760 mm Hg
T_a = actual temperature during calibration (deg K)
P_a = actual pressure during calibration (mm Hg)



Checked by: F.C Tsang
Monitoring Team Leader

Date: 08-Jun-2025

HIVOL SAMPLER CALIBRATION DATA SHEET (TSP)

Site Information

Location:	**Representative For Wo Keng Shan Tsuen**	**Site ID:**	**AM3**	**Cal Date:** **Exp Date:**	**7/4/2025** **6/6/2025**
Serial No:	**1856**	**Model:**	**TE-5170X**	**Operator:**	**Andy Li**

Ambient Condition

Actual Pressure during Calibration (P_a) (mm Hg):	763.0	**Actual Temperature during Calibration (T_a) (deg K):**	295.0

Calibration Orifice

Model:	TE-5025A	**Slope (m_c):**	2.08107
Serial No.:	3465	**Intercept (b_c):**	-0.04295
Calibration Due Date:	2-Dec-25	**Corr. Coeff:**	0.99999

Calibration Data

Plate or Test #	ΔH_2O (in)	Qa, X-Axis (m^3/min)	I, CFM (chart)	IC, Y-Axis (corrected)
18	8.80	1.456	59.0	59.42
13	7.10	1.310	56.0	56.40
10	7.00	1.301	54.0	54.38
7	4.80	1.081	46.0	46.32
5	3.20	0.886	40.0	40.28
	0			

Sampler Calibtation Relationship (Qa on x-axis, IC on y-axis)

m= 34.9380 b= 9.1946 Corr. Coeff= 0.9940

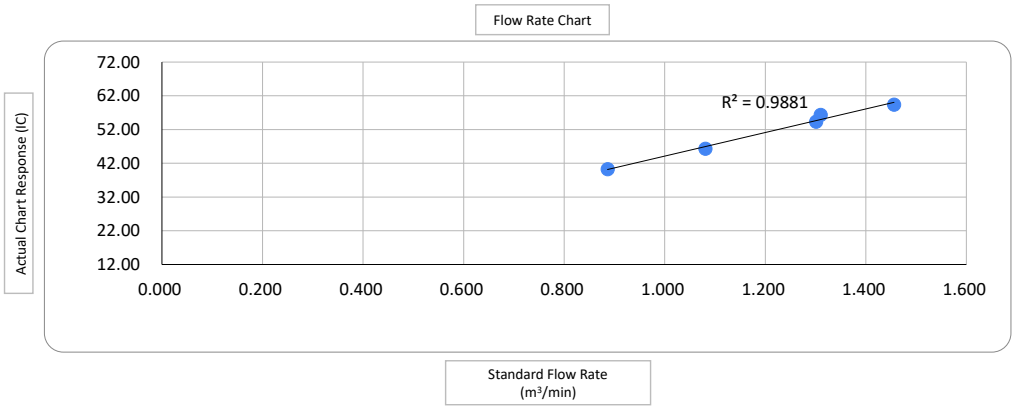
Calculations

$Qa = 1/m_c * [Sqrt (\Delta H_2O * (P_a/P_{Std}) * (T_{Std}/T_a)) - b_c]$

$IC = I * (Sqrt (P_a/P_{Std}) * (T_{Std}/T_a))$

Qa = actual flow rate
IC = corrected chart response
I = actual chart response
m_c = calibrator slope
b_c = calibrator intercept

m = sampler slope
b = sampler intercept
T_{Std} = 298 deg K
P_{Std} = 760 mm Hg
T_a = actual temperature during calibration (deg K)
P_a = actual pressure during calibration (mm Hg)



Checked by: F.C Tsang
Monitoring Team Leader

Date: 08-Apr-2025

HIVOL SAMPLER CALIBRATION DATA SHEET (TSP)

Site Information

Location:	**Representative For Wo Keng Shan Tsuen**	**Site ID:**	**AM3**	**Cal Date:** **Exp Date:**	**5/6/2025** **5/8/2025**
Serial No:	**1856**	**Model:**	**TE-5170X**	**Operator:**	**Andy Li**

Ambient Condition

Actual Pressure during Calibration (P_a) (mm Hg):	756.4	**Actual Temperature during Calibration (T_a) (deg K):**	301.0

Calibration Orifice

Model:	TE-5025A	**Slope (m_c):**	2.08107
Serial No.:	3465	**Intercept (b_c):**	-0.04295
Calibration Due Date:	2-Dec-25	**Corr. Coeff:**	0.99999

Calibration Data

Plate or Test #	ΔH_2O (in)	Qa, X-Axis (m^3/min)	I, CFM (chart)	IC, Y-Axis (corrected)
18	10.20	1.544	62.0	61.55
13	9.10	1.460	58.0	57.58
10	7.00	1.283	54.0	53.61
7	4.80	1.066	46.0	45.67
5	3.20	0.874	40.0	39.71
	0			

Sampler Calibtation Relationship (Qa on x-axis, IC on y-axis)

m= 31.9802 b= 11.7988 Corr. Coeff= 0.9974

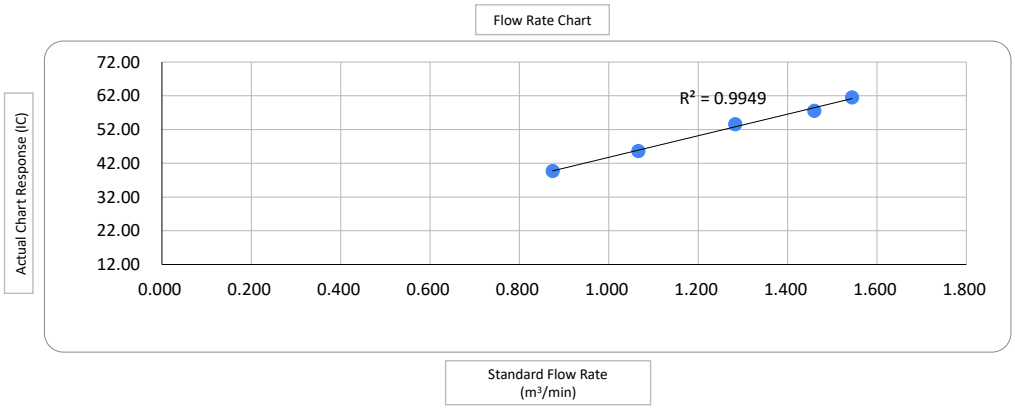
Calculations

$Qa = 1/m_c * [Sqrt (\Delta H_2O * (P_a/P_{Std}) * (T_{Std}/T_a)) - b_c]$

$IC = I * (Sqrt (P_a/P_{Std}) * (T_{Std}/T_a))$

Qa = actual flow rate
IC = corrected chart response
I = actual chart response
m_c = calibrator slope
b_c = calibrator intercept

m = sampler slope
b = sampler intercept
T_{Std} = 298 deg K
P_{Std} = 760 mm Hg
T_a = actual temperature during calibration (deg K)
P_a = actual pressure during calibration (mm Hg)



Checked by: F.C Tsang
Monitoring Team Leader

Date: 08-Jun-2025

TISCH Environmental

RECALIBRATION DUE DATE:
December 2, 2025

Certificate of Calibration

Calibration Certification Information				
Cal. Date:	December 2, 2024	**Rootsmeter S/N:** 438320	**Ta:** 293	°K
Operator:	Jim Tisch		**Pa:** 757.4	mm Hg
Calibration Model #:	TE-5025A	**Calibrator S/N:** **3465**		

Run	Vol. Init (m3)	Vol. Final (m3)	ΔVol. (m3)	ΔTime (min)	ΔP (mm Hg)	ΔH (in H2O)
1	1	2	1	1.4300	3.2	2.00
2	3	4	1	1.0190	6.4	4.00
3	5	6	1	0.9090	7.9	5.00
4	7	8	1	0.8680	8.8	5.50
5	9	10	1	0.7170	12.8	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)
1.0093	0.7058	1.4238	0.9958	0.6963	0.8796
1.0051	0.9863	2.0136	0.9916	0.9731	1.2439
1.0031	1.1035	2.2512	0.9896	1.0886	1.3907
1.0018	1.1542	2.3611	0.9884	1.1387	1.4586
0.9965	1.3898	2.8476	0.9831	1.3711	1.7592
QSTD	**m=**	**2.08107**	**QA**	**m=**	**1.30313**
	b=	**-0.04295**		**b=**	**-0.02653**
	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

Noise

Certificate of Calibration

for

Description:	***Sound Level Meter***
Manufacturer:	***NTi Audio***
Type No.:	***XL2 (Serial No.: A2A-13661-E0)***
Microphone:	***ACO 7052 (Serial No.:84464)***
Preamplifier:	***NTi Audio MA220 (M2211) (Serial No.:5287)***

Submitted by:

Customer:	*Aurecon Hong Kong Limited*
Address:	*Unit 1608, 16/F, Tower B, Manulife Financial Centre,*
	223-231 Wai Yip Street, Kwun Tong,
	Kowloon, Hong Kong

Upon receipt for calibration, the instrument was found to be:

☑ **Within (31.5Hz – 8kHz)**
☐ **Outside**

the allowable tolerance.

The test equipment used for calibration are traceable to National Standards via:
- The Government of The Hong Kong Special Administrative Region Standard & Calibration Laboratory

Date of receipt: 12 August 2024

Date of calibration: 13 August 2024

Date of NEXT calibration: 12 August 2025

Calibrated by: _____
Calibration Technician

Certified by: _____
Mr. Ng Yan Wa
Laboratory Manager

Date of issue: **13 August 2024**

ACOUSTICS AND AIR TESTING LABORATORY CO. LTD. (A+A)*L

Room 422,Leader Industrial Centre,57-59 Au Pui Wan Street ,Fo Tan, Shatin,N.T.,Hong Kong
Tel: (852) 2668 3423 Fax:(852) 2668 6946
Homepage: http://www.aa-lab.com E-mail : inquiry@aa-lab.com

1. *Calibration Precaution:*

- The unit-under-test (UUT) was allowed to stabilize in the laboratory for over 24 hours, and switched on to warm up for over 10 minutes before the commencement of the test.
- The results presented are the mean of 3 measurements at each calibration point.

2. *Calibration Conditions:*

Air Temperature:	23.3 °C
Air Pressure:	1006 hPa
Relative Humidity:	62.3 %

3. *Calibration Equipment:*

	Type	Serial No.	Calibration Report Number	Traceable to
Multifunction Calibrator	B&K 4226	2288467	AV240081	HOKLAS

4. *Calibration Results*

Sound Pressure Level

Reference Sound Pressure Level

Setting of Unit-under-test (UUT)			Applied value		UUT Reading, dB	IEC 61672 Class 1 Specification, dB
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Frequency, Hz		
30-130	dBA SPL	Fast	94	1000	94.1	±0.4

Linearity

Setting of Unit-under-test (UUT)			Applied value		UUT Reading, dB	IEC 61672 Class 1 Specification, dB
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Frequency, Hz		
30-130	dBA SPL	Fast	94	1000	94.0	Ref
			104		104.1	±0.3
			114		114.1	±0.3

Time Weighting

Setting of Unit-under-test (UUT)			Applied value		UUT Reading, dB	IEC 61672 Class 1 Specification, dB
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Frequency, Hz		
30-130	dBA SPL	Fast	94	1000	94.0	Ref
		Slow			94.1	±0.3

Room 422,Leader Industrial Centre,57-59 Au Pui Wan Street ,Fo Tan, Shatin,N.T.,Hong Kong
Tel: (852) 2668 3423 Fax:(852) 2668 6946
Homepage: http://www.aa-lab.com E-mail : inquiry@aa-lab.com

Frequency Response

Linear Response

Setting of Unit-under-test (UUT)			Applied value		UUT Reading,	IEC 61672 Class 1
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB
30-130	dB SPL	Fast	94	31.5	94.1	±2.0
				63	94.1	±1.5
				125	94.1	±1.5
				250	94.0	±1.4
				500	94.1	±1.4
				1000	94.1	Ref
				2000	94.4	±1.6
				4000	95.0	±1.6
				8000	94.5	+2.1; -3.1

A-weighting

Setting of Unit-under-test (UUT)			Applied value		UUT Reading,	IEC 61672 Class 1
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB
30-130	dBA SPL	Fast	94	31.5	54.7	-39.4 ±2.0
				63	67.9	-26.2 ±1.5
				125	77.9	-16.1 ±1.5
				250	85.4	-8.6 ±1.4
				500	90.9	-3.2 ±1.4
				1000	94.1	Ref
				2000	95.6	+1.2 ±1.6
				4000	96.0	+1.0 ±1.6
				8000	93.4	-1.1+2.1; -3.1

C-weighting

Setting of Unit-under-test (UUT)			Applied value		UUT Reading,	IEC 61672 Class 1
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB
30-130	dBC SPL	Fast	94	31.5	91.1	-3.0 ±2.0
				63	93.3	-0.8 ±1.5
				125	93.9	-0.2 ±1.5
				250	94.0	-0.0 ±1.4
				500	94.1	-0.0 ±1.4
				1000	94.1	Ref
				2000	94.2	-0.2 ±1.6
				4000	94.2	-0.8 ±1.6
				8000	91.5	–3.0 +2.1: –3.1

Room 422,Leader Industrial Centre,57-59 Au Pui Wan Street ,Fo Tan, Shatin,N.T.,Hong Kong
Tel: (852) 2668 3423 Fax:(852) 2668 6946
Homepage: http://www.aa-lab.com E-mail : inquiry@aa-lab.com

5. *Calibration Results Applied*

The results apply to the particular unit-under-test only. All calibration points are within manufacture's specification as IEC 61672 Class 1.

Uncertainties of Applied Value:

94 dB	31.5 Hz	± 0.10
	63 Hz	± 0.10
	125 Hz	± 0.10
	250 Hz	± 0.05
	500 Hz	± 0.05
	1000 Hz	± 0.05
	2000 Hz	± 0.05
	4000 Hz	± 0.05
	8000 Hz	± 0.10
104 dB	1000 Hz	± 0.05
114 dB	1000 Hz	± 0.05

The uncertainties are evaluated for a 95% confidence level.

Note:
The values given in this certification only related to the values measured at the time of the calibration and any uncertainties quoted will not allow for the equipment long-term drift, variations with environmental changes, vibration and shock during transportation, overloading, mis-handling, or the capability of any other laboratory to repeat the calibration. (A+A)*L shall not be liable for any loss or damage resulting from the use of the equipment.

Room 422,Leader Industrial Centre,57-59 Au Pui Wan Street ,Fo Tan, Shatin,N.T.,Hong Kong
Tel: (852) 2668 3423 Fax:(852) 2668 6946
Homepage: http://www.aa-lab.com E-mail : inquiry@aa-lab.com

Certificate of Calibration

for

Description:	***Sound Level Calibrator***
Manufacturer:	***RION***
Type No.:	***NC-75***
Serial No.:	***34724245***

Submitted by:

Customer:	*Aurecon Hong Kong Limited*
Address:	*Unit 1608, 16/F, Tower B, Manulife Financial Centre,*
	223-231 Wai Yip Street, Kwun Tong,
	Kowloon, Hong Kong

Upon receipt for calibration, the instrument was found to be:

☑ **Within**
☐ **Outside**

the allowable tolerance.

The test equipments used for calibration are traceable to National Standards via:
- The Government of The Hong Kong Special Administrative Region Standard & Calibration Laboratory

Date of receipt: 22 July 2024

Date of calibration: 24 July 2024

Date of NEXT calibration: 23 July 2025

Calibrated by: _____
Calibration Technician

Certified by: _____
Mr. Ng Yan Wa
Laboratory Manager

Date of issue: **24 July 2024**

Certificate No.: APJ23-154-CC003

Room 422,Leader Industrial Centre,57-59 Au Pui Wan Street ,Fo Tan, Shatin,N.T.,Hong Kong
Tel: (852) 2668 3423 Fax:(852) 2668 6946
Homepage: http://www.aa-lab.com E-mail : inquiry@aa-lab.com

1. *Calibration Precautions:*

- The unit-under-test (UUT) was allowed to stabilize in the laboratory for over 24 hours, and switched on to warm up for over 10 minutes before the commencement of the test.
- The results presented are the mean of 3 measurements at each calibration point.

2. *Calibration Specifications:*

Calibration check

3. *Calibration Conditions:*

Air Temperature:	23.4 °C
Air Pressure:	1005 hPa
Relative Humidity:	56.7 %

4. *Calibration Equipment:*

Test Equipment	Type	Serial No.	Calibration Report Number	Traceable to
Multifunction Calibrator	B&K 4226	2288467	AV240081	HOKLAS
Sound Level Meter	RION NA-28	30721812	AV230128	HOKLAS

5. *Calibration Results*

5.1 Sound Pressure Level

Nominal value dB	Accept lower level dB	Accept upper level dB	Measured value dB
94.0	93.6	94.4	94.0

Note:
The values given in this certification only related to the values measured at the time of the calibration.

ACOUSTICS AND AIR TESTING LABORATORY CO. LTD. (A+A)*L

Room 422,Leader Industrial Centre,57-59 Au Pui Wan Street ,Fo Tan, Shatin,N.T.,Hong Kong
Tel: (852) 2668 3423 Fax:(852) 2668 6946
Homepage: http://www.aa-lab.com E-mail : inquiry@aa-lab.com

Cal Lab Limited 校正實驗室有限公司
Room 2103, Technology Plaza, 29-35 Sha Tsui Road,
Tsuen Wan, NT, Hong Kong
Tel: +852 25680106 Email: info@callab.com.hk
Fax: +852 30116194 Website: www.callab.com.hk

ACCREDITED
Certificate #3815.01

Calibration Certificate No.: CC0182502

Information provided by customer

Customer: Aurecon Hong Kong Limited
Address: Unit 1608, 16/F, Tower B, Manulife Financial Centre, 222-231 Wai Yip Street, Kwun Tong, Hong Kong

Equipment identification provided by customer

Equipment Description	Manufacturer	Model No.	Serial No.	Assigned equipment No.
Air Velocity Meter	UNI-T	UT363	C222415356	A-02

Certificate Information

Date of Receipt:	12 February 2025	Calibration Condition:	22.4°C, 54%RH, 1011hPa
Date of Calibration:	18 February 2025	Adjustment:	N/A
Recommended Next Cal. Date:	N/A	Appearance:	Good
Calibration Procedure:	SOP-112	Remark:	N/A

Reference Equipment Identification

Equipment Description	Model	Serial No.	Expiration Date
Hot Wire Anemometer	405-V1	41576231	17 July 2026

Result of Calibration

Air Velocity

Reference Reading (m/s)	Measured Reading (m/s)	Error (m/s)	Uncertainty (%)	Technical Requirement	Technical Reference Doc.
1.04	1.0	0.0	3.6	± 5 %	Mfr's Spec.
2.02	2.1	0.1	3.6	± 5 %	Mfr's Spec.
4.98	5.1	0.1	3.6	± 5 %	Mfr's Spec.
8.01	8.2	0.2	3.6	± 5 %	Mfr's Spec.

CT-AFR-01

Note1: The estimated expanded uncertainties have been calculated in "Evaluation and expression of uncertainty in measurement" and give an internal estimated to have a level of confidence of 95%. A coverage factor of 2 is assumed unless explicitly stated.
Note2: The standard (s) and instrument used in the calibration are traceable to national or international recognized standard and are calibrated on a schedule to maintain the accuracy and good condition.
Note3: The result reported in this certificate refer to the condition of the instrument on the date of calibration and carry no implication regarding the long term stability of the instrument.
Note4: The result shows in this calibration certificate relate only to the item calibrated, and the result only applies to the calibration item as received.

Calibrated By: Checked and Approved By: Company Chop:

Wing Cheng Warren Yeung

Cal Lab Limited 校正實驗室有限公司

Certificate Issue Date: 20 February 2025

CT-BEG-04

***** End of Certificate *****

Water Quality

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-BE030347
Date of Issue : 03 April 2025

PART A - CUSTOMER INFORMATION

Acuity Sustainability Consulting Limited
Unit 1608, 16/F, Tower B, Manulife Fin. Centre 223 - 231 Wai Yip Street, Kwun Tong,
Kowloon (HK) Hong Kong

PART B - SAMPLE INFORMATION

Name of Equipment :	YSI ProDSS (Multi Parameters)
Manufacturer :	YSI
Serial Number :	22D100436
Date of Received :	31 March 2025
Date of Calibration :	01 April 2025
Date of Next Calibration :	30 June 2025
Request No. :	D-BE030347

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 21e 2520 B
Turbidity	APHA 21e 2130 B (Nephelometric Method)

PART D - CALIBRATION RESULT

(1) pH value

Target (pH unit)	Display Reading (pH unit)	Tolerance (pH unit)	Result
4.00	4.16	0.16	Satisfactory
7.42	7.50	0.08	Satisfactory
10.01	10.07	0.06	Satisfactory

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

(2) Temperature

Reading of Ref. thermometer (°C)	Display Reading	Tolerance	Result
9.7	9.9	0.2	Satisfactory
19.5	19.4	-0.1	Satisfactory
32.3	31.7	-0.6	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
9.28	9.36	0.08	Satisfactory
6.21	6.08	-0.13	Satisfactory
3.32	3.16	-0.16	Satisfactory
0.01	0.12	0.11	Satisfactory

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

--- CONTINUED ON NEXT PAGE ---

AUTHORIZED SIGNATORY:

FUNG Yuen-ching
Laboratory Manager

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

PART D - CALIBRATION RESULT

(4) Salinity

Expected Reading (g/L)	Display Reading (g/L)	Tolerance (%)	Result
10	9.77	-2.3	Satisfactory
20	19.59	-2.05	Satisfactory
30	29.31	-2.3	Satisfactory

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

(5) Turbidity

Expected Reading (NTU)	Display Reading (NTU)	Tolerance [a] (%)	Result
0	0.17	-	Satisfactory
10	10.76	7.6	Satisfactory
20	19.14	-4.3	Satisfactory
100	94.58	-5.42	Satisfactory
800	732.96	-8.38	Satisfactory

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

[a] For O NTU, Display Reading should be less than 1 NTU

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 ---

Cal Lab Limited 校正實驗室有限公司
Room 2103, Technology Plaza, 29-35 Sha Tsui Road,
Tsuen Wan, NT, Hong Kong
Tel: +852 25680106 Email: info@callab.com.hk
Fax: +852 30116194 Website: www.callab.com.hk

Calibration Certificate No.: CC0172502

Information provided by customer

Customer: Acumen Laboratory and Testing Limited
Address: Workshop 04, 7/F, The Whitney, No. 183 Wai Yip Street, Kwun Tong, Kowloon, Hong Kong

Equipment Identification provided by customer

Equipment Description	Manufacturer	Model No.	Serial No.	Assigned equipment No.
Flow Probe	Global Water	FP111	22K100859	N/A

Certificate Information

Date of Receipt:	10 February 2025	Calibration Condition:	21.7°C, 52%RH, 1008hPa
Date of Calibration:	11 February 2025	Adjustment:	N/A
Due Date of Calibration:	N/A	Appearance:	Good
Calibration Procedure:	JJG 1030-2007	Remark:	N/A

Reference Equipment Identification

Equipment Description	Model	Serial No.	Expiration Date
Water Flow Meter	GW8100	20240628GW8100-P165	13 November 2025

Result of Calibration

Water Flow Rate

Reference Reading (m/s)	Measured Reading (m/s)	Error (m/s)	Uncertainty (%)
0.00	0.0	N/A	N/A
1.03	1.1	-0.07	5.8
2.92	3.0	-0.08	5.8
5.06	5.0	0.06	5.8

Note1: The estimated expanded uncertainties have been calculated in "Evaluation and expression of uncertainty in measurement" and give an internal estimated to have a level of confidence of 95%. A coverage factor of 2 is assumed unless explicitly stated.
Note2: The standard (s) and instrument used in the calibration are traceable to national or international recognized standard and are calibrated on a schedule to maintain the accuracy and good condition.
Note3: The result reported in this certificate refer to the condition of the instrument on the date of calibration and carry no implication regarding the long term stability of the instrument.
Note4: The result shows in this calibration certificate relate only to the item calibrated, and the result only applies to the calibration item as received.
Note5: Calibration item/ parameter marked with * is out of scope of Cal Lab Limited (A2LA 3815.01).

Calibrated By: Wing Cheng

Checked and Approved By: Warren Yeung

Company Chop: Cal Lab Limited 校正實驗室有限公司

Certificate Issue Date: 12 February 2025

CT-BEG-04

*** End of Certificate ***

Landfill Gas

Asia Pacific Industrial Safety Equipment

Tel: 2592 2100 Fax: 3165 8960

Calibration Certificate

Cert. Ref. No.: BLS/G7C/01/1283 Date: **27/1/2025**

Customer: New Concepts Eng Dev Ltd

Attn: Victor Tel: 9840 3136 Fax:
User Details:

Gas Detector Model: Blackline Safety G7C-EU2 Serial No: 3571220922 CART ID: 334341
Calibration Record: Act. Code: L6R 7HB

Inpection before calibration	Visual inspection	Functional Test
Basic Unit - Case, Clip & Display etc.	**OK**	**OK**
Battery and charge etc.	**OK**	**OK**
Motorized Pump	**OK**	**OK**
Other items	-	-

Type of Sensor	Expiry Date
Oxygen Sensor	
CO Sensor	
H2S Sensor	
Combustible (LEL) Sensor	
Carbon Dioxide (CO2) Sensor	

Type of calibration	Date of calibratic	H2S (ppm)	CO (ppm)	O2 (%)	LEL (%)	CO2 (ppm)
SENSOR Calibration	17/2/2025	25	100	18	50	5000
		OK	**OK**	**OK**	**OK**	**OK**

Calibratrion remarks: Battery full recharge needed. Warning: Battery health and accuracy of LEL-MPS & Oxygen sensor's reading could adversely affected in prolonged low battery state.

Blackline Safety Recommended Next Calibration Date*: 26/7/2025

*The calibration Schedule can be configured to match your company's safety policy and Blackline Safety recommends not exeeding 180 days without a calibration

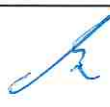
IMPORTANT NOTES TO Blackline Safety GAS DETECTOR USERS

USERS MUST READ THE OPERATOR'S MANUAL THOROUGHLY BEFORE OPERATING THIS EQUIPMENT AND FOLLOW THEIR OWIN SAFETY SUPERVISOR'S INSTRUCTION TO WORK.

All gas detection instrumentation on the market requires periodic calibration to accurately measure gas. Calibration is only as accurate as the test gas used. Blackline Safety quality test gases are made to the highest accuracy and trace-ability to N.I.S.T. Standard.

Calibration By: **Mind Lau**

Services Hotline : 2592 2100



Appendix F Monitoring Results

Air Quality

1-hour TSP Concentration (μg/m^3) at Location AM1

Date	Equipment Brand & Model	Equipment Serial No.	K-factor	Weather	Sampling Time (1)	Sampling Time (2)	Sampling Time (3)	Reading (1) μg/m^3	Reading (2) μg/m^3	Reading (3) μg/m^3	Average μg/m^3	Action Level μg/m^3	Limit Level μg/m^3
5/6/2025	Sibata LD-5R	0Z4545	1.0451	Cloudy	8:41	9:41	10:41	26	29	30	28	285	500
11/6/2025	Sibata LD-5R	882106	1.0437	Cloudy	8:45	9:45	10:45	21	22	26	23		
17/6/2025	Sibata LD-5R	882106	1.0437	Cloudy	8:44	9:44	10:44	23	24	26	24		
23/6/2025	Sibata LD-5R	0Z4545	1.0451	Cloudy	8:19	9:19	10:19	29	31	33	31		
28/6/2025	Sibata LD-5R	0Z4545	1.0451	Cloudy	8:21	9:21	10:21	21	22	24	22		
							Average	**26**					
							Max.	**33**					
							Min.	**21**					

1-hour TSP Concentration (μg/m^3) at Location AM2

Date	Equipment Brand & Model	Equipment Serial No.	K-factor	Weather	Sampling Time (1)	Sampling Time (2)	Sampling Time (3)	Reading (1) μg/m^3	Reading (2) μg/m^3	Reading (3) μg/m^3	Average μg/m^3	Action Level μg/m^3	Limit Level μg/m^3
5/6/2025	Sibata LD-5R	942532	1.1020	Cloudy	8:16	9:16	10:16	49	49	50	49	279	500
11/6/2025	Sibata LD-5R	0Z4545	1.0451	Cloudy	8:51	9:51	10:51	49	40	48	46		
17/6/2025	Sibata LD-5R	942532	1.1020	Cloudy	8:21	9:21	10:21	41	41	40	41		
23/6/2025	Sibata LD-5R	942532	1.1020	Cloudy	8:39	9:39	10:39	40	41	44	42		
28/6/2025	Sibata LD-5R	942532	1.1020	Cloudy	8:40	9:40	10:40	39	38	37	38		
							Average	**43**					
							Max.	**50**					
							Min.	**37**					

1-hour TSP Concentration (μg/m^3) at Location AM3

Date	Equipment Brand & Model	Equipment Serial No.	K-factor	Weather	Sampling Time (1)	Sampling Time (2)	Sampling Time (3)	Reading (1) μg/m^3	Reading (2) μg/m^3	Reading (3) μg/m^3	Average μg/m^3	Action Level μg/m^3	Limit Level μg/m^3
5/6/2025	Sibata LD-5R	882106	1.0437	Cloudy	8:00	9:00	10:00	44	49	51	48	285	500
11/6/2025	Sibata LD-5R	942532	1.1020	Cloudy	9:00	10:00	11:00	56	59	60	58		
17/6/2025	Sibata LD-5R	0Z4545	1.0451	Cloudy	8:10	9:10	10:10	59	60	61	60		
23/6/2025	Sibata LD-5R	882106	1.0437	Cloudy	8:09	9:09	10:09	51	53	56	53		
28/6/2025	Sibata LD-5R	882106	1.0437	Cloudy	8:10	9:10	10:10	40	40	39	40		
							Average	**52**					
							Max.	**61**					
							Min.	**39**					

The Summary of TSP 24-hour Concentration (μg/m^3) at Location AM1

Start Date	Weather Condition	Avg Air Temp	Avg Atmospheric Pressure	Elapse Time		Sampling Time	Averaged Flow Rate	Averaged Flow Rate	Total Flow Volume	Filter Weight (g)		Particulate weight	Concentration	Action Level	Limit Level
		(℃)	(hPa)	Initial	Final	(minutes)	(cfm)	(m^3/min)	(m^3)	Initial	Final	(g)	(μg/m^3)	(μg/m^3)	(μg/m3)
05/06/2025	Cloudy	27.3	1008.8	5684.23	5708.23	1440	41	1.0	1405	2.6975	2.8023	0.1048	75	164	260
11/06/2025	Cloudy	29.0	1004.5	5730.69	5754.69	1440	41	0.9	1363	2.6765	2.7738	0.0973	71		
17/06/2025	Cloudy	28.5	1009.8	5777.43	5801.43	1440	41	1.0	1377	2.6739	2.7803	0.1064	77		
23/06/2025	Cloudy	29.9	1007.5	5825.24	5849.24	1440	41	1.0	1393	2.6865	2.7853	0.0988	71		
28/06/2025	Cloudy	28.7	1005.7	5871.62	5895.62	1440	41	0.9	1367	2.7165	2.7979	0.0814	60		
												Average	**71**		
												Min	**60**		
												Max	**77**		

The Summary of 24-hour TSP Concentration (μg/m^3) at Location AM2

Start Date	Weather Condition	Avg Air Temp	Avg Atmospheric Pressure	Elapse Time		Sampling Time	Averaged Flow Rate	Flow Rate	Total Flow Volume	Filter Weight (g)		Particulate weight	Concentration	Action Level	Limit Level
		(℃)	(hPa)	Initial	Final	(minutes)	(cfm)	(m^3/min)	(m^3)	Initial	Final	(g)	(μg/m^3)	(μg/m^3)	(μg/m3)
05/06/2025	Cloudy	27.3	1008.8	5490.88	5514.88	1440	41	1.0	1439	2.6855	2.8108	0.1253	87	152	260
11/06/2025	Cloudy	29.0	1004.5	5538.84	5562.84	1440	41	1.0	1428	2.6823	2.7949	0.1126	79		
17/06/2025	Cloudy	28.5	1009.8	5585.57	5609.57	1440	41	1.0	1437	2.6791	2.8028	0.1237	86		
23/06/2025	Cloudy	29.9	1007.5	5633.45	5657.45	1440	40	1.0	1411	2.6736	2.7809	0.1073	76		
28/06/2025	Cloudy	28.7	1005.7	5681.19	5705.19	1440	40	1.0	1411	2.7174	2.8283	0.1109	79		
												Average	**81**		
												Min	**76**		
												Max	**87**		

The Summary of 24-hour TSP Concentration (μg/m^3) at Location AM3

Start Date	Weather Condition	Avg Air Temp	Avg Atmospheric Pressure	Elapse Time		Sampling Time	Averaged Flow Rate	Flow Rate	Total Flow Volume	Filter Weight (g)		Particulate weight	Concentration	Action Level	Limit Level
		(℃)	(hPa)	Initial	Final	(minutes)	(cfm)	(m^3/min)	(m^3)	Initial	Final	(g)	(μg/m^3)	(μg/m^3)	(μg/m3)
05/06/2025	Cloudy	27.3	1008.8	6303.84	6327.84	1440	42	0.9	1322	2.6705	2.8013	0.1308	99	163	260
11/06/2025	Cloudy	29.0	1004.5	6349.62	6373.62	1440	41	0.9	1287	2.6852	2.8067	0.1215	94		
17/06/2025	Cloudy	28.5	1009.8	6395.33	6419.33	1440	41	0.9	1298	2.6868	2.8281	0.1413	109		
23/06/2025	Cloudy	29.9	1007.5	6442.81	6466.81	1440	41	0.9	1290	2.6857	2.7911	0.1054	82		
28/06/2025	Cloudy	28.7	1005.7	6489.95	6513.95	1440	42	0.9	1312	2.7066	2.8138	0.1072	82		
												Average	**93**		
												Min	**82**		
												Max	**109**		

Remarks:
1. Orange Text equal to exceed Action Level
2. Red Text equal to exceed Limit Level

Noise

Impact Phase Construction Noise Monitoring Data at Location NM1a

Date	Weather	Wind speed	Start Time	End Time	L_{eq} (dB(A))							L_{10} (dB(A))						L_{90} (dB(A))					
		m/s			1st	2nd	3rd	4th	5th	6th	Overall (30min)	1st	2nd	3rd	4th	5th	6th	1st	2nd	3rd	4th	5th	6th
5/6/2025	Cloudy	1.1	8:00	8:30	61.4	62.5	62.6	63.1	62.4	62.6	62.5	63.2	64.1	64.9	65.1	64.9	64.9	60.3	60.4	60.3	62.1	60.3	60.3
11/6/2025	Cloudy	1.9	8:00	8:30	60.2	61.2	60.3	60.4	59.1	59.3	60.1	62.2	63.5	62.9	62.3	61.9	60.2	55.2	60.2	59.2	59.2	57.1	58.3
17/6/2025	Cloudy	1.6	8:00	8:30	60.1	61.1	61.2	60.4	59.1	59.9	60.4	62.2	63.6	63.9	62.4	61.9	62.9	581.0	59.4	59.1	58.6	57.1	59.1
23/6/2025	Cloudy	1.0	8:00	8:30	59.3	60.1	60.3	59.2	58.9	59.9	59.6	61.2	62.2	62.3	61.2	59.9	61.9	58.1	59.2	59.0	58.2	57.1	57.6

Average	60.8
Baseline Level	55.4
Action Level	When one valid documented complaint is received
Limit Level	75

Impact Phase Construction Noise Monitoring Data at Location NM2a

Date	Weather	Wind speed	Start Time	End Time	L_{eq} (dB(A))							L_{10} (dB(A))						L_{90} (dB(A))					
		m/s			1st	2nd	3rd	4th	5th	6th	Overall (30min)	1st	2nd	3rd	4th	5th	6th	1st	2nd	3rd	4th	5th	6th
5/6/2025	Cloudy	1.2	9:41	10:11	44.2	45.2	45.6	47.2	48.6	49.1	47.0	46.2	48.2	49.1	49.2	49.2	51.2	43.2	42.1	42.4	44.1	47.3	48.1
11/6/2025	Cloudy	1.2	10:30	11:00	46.1	47.1	47.6	46.3	46.1	46.9	46.7	47.1	48.2	48.6	47.6	48.1	47.6	44.1	45.6	45.1	44.6	43.1	44.6
17/6/2025	Cloudy	1.1	10:10	10:40	49.1	48.6	47.1	48.8	49.2	48.1	48.5	51.2	50.6	49.3	50.9	51.6	50.2	47.2	41.6	40.6	42.6	43.1	42.2
23/6/2025	Cloudy	1.1	10:30	11:00	45.5	45.1	40.2	45.9	46.1	45.3	45.0	47.1	47.0	49.2	48.1	49.9	48.1	44.2	44.1	45.4	44.4	45.9	47.1

Average	47.0
Baseline Level	54.5
Action Level	When one valid documented complaint is received
Limit Level	75

Water Quality

Monitoring Location: WM1

Date	Time	Weather	Water Depth (m)	Water Flow (L/s)	Water Temperature (°C)	DO (mg/L)			pH			Turbidity (NTU)			SS (mg/L)		
						Value	Action Level	Limit Level	Value	Action Level	Limit Level	Value	Action Level	Limit Level	Value	Action Level	Limit Level
11-Jun-25	12:30	Cloudy	0.2	0.1	25.8	7.7	<7.4	<4	6.8	>7.7	>7.8	7.6	>9.2	>9.5	12.7	>9.7	>11.4

Monitoring Location: WM2

Date	Time	Weather	Water Depth (m)	Water Flow (L/s)	Water Temperature (°C)	DO (mg/L)			pH			Turbidity (NTU)			SS (mg/L)		
						Value	Action Level	Limit Level	Value	Action Level	Limit Level	Value	Action Level	Limit Level	Value	Action Level	Limit Level
11-Jun-25	8:39	Cloudy	0.20	0.1	26.1	6.2	<5	<4	6.6	>7.6	>7.7	16.2	>108.3	>108.9	20.2	>94.5	>94.7

Remarks

1. Sample will be grabbed on surface when the water depth is less than 1m.

2. "TBC" equal to "To be confirm"

3. Orange Text equal to exceed Action Level

4. Red Text equal to exceed Limit Level

ALS Technichem (HK) Pty Ltd

ALS Laboratory Group
ANALYTICAL CHEMISTRY & TESTING SERVICES

CERTIFICATE OF ANALYSIS

Client	: ACUMEN LABORATORY AND TESTING LIMITED	Laboratory	: ALS Technichem (HK) Pty Ltd	Page	: 1 of 9
Contact	: MR. HUNTINGTON HUI	Contact	: Richard Fung	Work Order	: HK2523911
Address	: WORKSHOP 04, 7/F, THE WHITNEY NO.183 WAI YIP STREET, KWUN TONG, KOWLOON	Address	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong		
E-mail	: Huntington.Hui@aurecongroup.com	E-mail	: richard.fung@alsglobal.com		
Telephone	: ----	Telephone	: +852 2610 1044		
Facsimile	: ----	Facsimile	: +852 2610 2021		
Project	: NENTX			Date Samples Received	: 11-Jun-2025
Order number	: ----	Quote number	: HKE/2751/2022_V5	Issue Date	: 25-Jun-2025
C-O-C number	: ----			No. of samples received	: 2
Site	:			No. of samples analysed	: 2

This document has been signed by those names that appear on this report and are the authorised signatories.

Signatories	*Position*	*Authorised results for*
Fung Lim Chee, Richard	Managing Director	Inorganics
Fung Lim Chee, Richard	Managing Director	Metals_ENV
Ng Sin Kou, May	Laboratory Manager	Microbiology_ENV

General Comments

This report supersedes any previous report(s) with the same work order number. All pages of this report have been checked and approved for release. When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes. Testing period is from 11-Jun-2025 to 24-Jun-2025.

Key: LOR = Limit of reporting; CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.

Specific Comments for Work Order: HK2523911

Sample information (Project name, Sample ID, Sampling date/time, etc.) is provided by client.

Result(s) of sample(s) is/are reported on as received basis, unless otherwise specified. The result(s) is/are related only to the item(s) tested.

Sample(s) was/ were submitted by client. Sample(s) arrived laboratory in chilled condition.

Microbiological sample(s) was/ were collected in 250mL sterile plastic bottles containing sodium thiosulfate. Sample(s) arrived at the laboratory at 14:30.

NOT DETECTED denotes result(s) is (are) less than the Limit of Report (LOR).

ED037 - Titration end point for Total Alkalinity is pH 4.5 while end point for Total Alkalinity <20mg/L is pH 4.2.

Water sample(s) digested by in-house method E-3005 prior to the determination of total metals. The in-house method is developed based on USEPA method 3005.

EK058A - Nitrate is the difference of Nitrite + Nitrate and Nitrite.

Analytical Results

Sub-Matrix: **WATER**

Compound	CAS Number	LOR	Unit	Sample ID	WM 1	WM2	----	----	----
				Sampling date / time	11-Jun-2025	11-Jun-2025	----	----	----
					HK2523911-001	HK2523911-002	-------	-------	-------
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	0.1	mg/L		12.7	20.2	----	----	----
ED037: Total Alkalinity as CaCO3	----	1	mg/L		14	43	----	----	----
ED/EK: Inorganic Nonmetallic Parameters									
ED041K: Sulphate as SO4 - Turbidimetric	----	1	mg/L		4	10	----	----	----
ED045K: Chloride	16887-00-6	0.5	mg/L		8	8	----	----	----
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		0.11	0.29	----	----	----
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		0.03	0.08	----	----	----
EK061A: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		1.5	0.6	----	----	----
EK071K: Reactive Phosphorus as P	14265-44-2	0.01	mg/L		<0.01	<0.01	----	----	----
EK086: Sulphite as SO3 2-	14265-45-3	2	mg/L		<2	<2	----	----	----
EP: Aggregate Organics									
EP005: Total Organic Carbon	----	1	mg/L		6	3	----	----	----
EP020: Oil & Grease	----	5	mg/L		<5	<5	----	----	----
EP026C: Chemical Oxygen Demand	----	5	mg/L		25	9	----	----	----
EP030: Biochemical Oxygen Demand	----	2	mg/L		4	<2	----	----	----
EG: Metals and Major Cations - Total									
EG020: Cadmium	7440-43-9	0.2	µg/L		<0.2	<0.2	----	----	----
EG020: Copper	7440-50-8	1	µg/L		6	2	----	----	----
EG020: Lead	7439-92-1	1	µg/L		2	<1	----	----	----
EG020: Manganese	7439-96-5	1	µg/L		68	2510	----	----	----
EG020: Nickel	7440-02-0	1	µg/L		<1	<1	----	----	----
EG020: Zinc	7440-66-6	10	µg/L		112	38	----	----	----
EG032: Calcium	7440-70-2	50	µg/L		3110	14700	----	----	----
EG032: Iron	7439-89-6	10	µg/L		370	7680	----	----	----
EG032: Magnesium	7439-95-4	50	µg/L		440	980	----	----	----
EG032: Potassium	7440-09-7	50	µg/L		980	2250	----	----	----
EG032: Sodium	7440-23-5	50	µg/L		8990	7230	----	----	----
EM: Microbiological Testing									
EM002: E. coli	----	1	CFU/100mL		750	NOT DETECTED	----	----	----

Sub-Matrix: WATER			Sample ID	WM 1	WM2	----	----	----
			Sampling date / time	11-Jun-2025	11-Jun-2025	----	----	----
Compound	CAS Number	LOR	Unit	HK2523911-001	HK2523911-002	--------	--------	--------
EM: Microbiological Testing - Continued								
EM003: Total Coliforms	----	1	CFU/100mL	2300	10	----	----	----

-------- END OF REPORT --------

Laboratory Duplicate (DUP) Report

In the Laboratory Duplicate (DUP) report, RPD (%) of sample duplicate reporting "0.0" denotes that the difference between unrounded results of the sample and its duplicate analyses is less than the value of the limit of reporting of the specific testing. The RPD (%) meets the quality control requirement of the corresponding testing procedure.

Matrix: **WATER**

				Laboratory Duplicate (DUP) Report				
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 6645567)								
HK2521053-001	Anonymous	EA025: Suspended Solids (SS)	----	0.5	mg/L	5.6	5.7	0.0
HK2521053-011	Anonymous	EA025: Suspended Solids (SS)	----	0.5	mg/L	12.2	12.3	0.8
EA/ED: Physical and Aggregate Properties (QC Lot: 6664940)								
HK2524806-005	Anonymous	ED037: Total Alkalinity as CaCO3	----	1	mg/L	38	42	11.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 6643553)								
HK2522402-003	Anonymous	EK086: Sulphite as SO3 2-	14265-45-3	2	mg/L	<2	<2	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 6647113)								
HK2523430-001	Anonymous	EK071K: Reactive Phosphorus as P	14265-44-2	0.01	mg/L	14.9	14.8	0.5
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 6655243)								
HK2523911-001	WM 1	ED045K: Chloride	16887-00-6	1	mg/L	8	8	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 6655244)								
HK2523911-001	WM 1	ED041K: Sulphate as SO4 - Turbidimetric	----	1	mg/L	4	4	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 6655666)								
HK2522660-001	Anonymous	EK061A: Total Kjeldahl Nitrogen as N	----	0.1	mg/L	75.0	72.2	3.9
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 6657784)								
HK2524548-001	Anonymous	EK055K: Ammonia as N	7664-41-7	0.01	mg/L	14.8	14.3	3.6
EP: Aggregate Organics (QC Lot: 6664310)								
HK2524155-002	Anonymous	EP005: Total Organic Carbon	----	1	mg/L	23	20	11.6
EP: Aggregate Organics (QC Lot: 6668280)								
HK2523831-003	Anonymous	EP026C: Chemical Oxygen Demand	----	5	mg/L	8	10	15.2
EG: Metals and Major Cations - Total (QC Lot: 6647064)								
HK2523911-002	WM2	EG032: Iron	7439-89-6	10	µg/L	7680	7770	1.2
		EG032: Calcium	7440-70-2	50	µg/L	14700	14600	0.4
		EG032: Magnesium	7439-95-4	50	µg/L	980	980	0.0
		EG032: Potassium	7440-09-7	50	µg/L	2250	2270	0.7
		EG032: Sodium	7440-23-5	50	µg/L	7230	7220	0.3
EG: Metals and Major Cations - Total (QC Lot: 6647065)								
HK2523911-002	WM2	EG020: Cadmium	7440-43-9	0.2	µg/L	<0.2	<0.2	0.0

Matrix: **WATER**

Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Laboratory Duplicate (DUP) Report				
				LOR	Unit	Original Result	Duplicate Result	RPD (%)
EG: Metals and Major Cations - Total (QC Lot: 6647065) - Continued								
HK2523911-002	WM2	**EG020: Copper**	7440-50-8	1	µg/L	2	2	0.0
		EG020: Lead	7439-92-1	1	µg/L	<1	<1	0.0
		EG020: Manganese	7439-96-5	1	µg/L	2510	2480	1.4
		EG020: Nickel	7440-02-0	1	µg/L	<1	<1	0.0
		EG020: Zinc	7440-66-6	10	µg/L	38	37	0.0

Method Blank (MB), Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report

Matrix: **WATER**

Method: Compound	CAS Number	Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
					Spike Concentration	Spike Recovery (%)		Recovery Limits(%)		RPD (%)	
		LOR	Unit	Result		LCS	DCS	Low	High	Value	Control Limit
EA/ED: Physical and Aggregate Properties (QC Lot: 6645567)											
EA025: Suspended Solids (SS)	----	0.5	mg/L	<0.5	10 mg/L	106	----	85.0	115	----	----
EA/ED: Physical and Aggregate Properties (QC Lot: 6664940)											
ED037: Total Alkalinity as CaCO3	----	1	mg/L	<1	50 mg/L	104	----	95.0	105	----	----
				<1	2000 mg/L	99.4	----	95.0	105	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 6643553)											
EK086: Sulphite as SO3 2-	14265-45-3	2	mg/L	<2	----	----	----	----	----	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 6647113)											
EK071K: Reactive Phosphorus as P	14265-44-2	0.01	mg/L	<0.01	0.5 mg/L	100	----	92.5	105	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 6655243)											
ED045K: Chloride	16887-00-6	1	mg/L	<1	10 mg/L	97.7	----	90.8	106	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 6655244)											
ED041K: Sulphate as SO4 - Turbidimetric	----	1	mg/L	<1	5 mg/L	95.7	----	89.2	112	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 6655666)											
EK061A: Total Kjeldahl Nitrogen as N	----	0.1	mg/L	<0.1	0.5 mg/L	112	----	85.0	115	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 6657784)											
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	0.5 mg/L	101	----	87.3	110	----	----
EP: Aggregate Organics (QC Lot: 6644659)											
EP030: Biochemical Oxygen Demand	----	----	mg/L	----	198 mg/L	93.2	----	80.9	119	----	----

Matrix: **WATER**

Method: Compound	CAS Number	Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report					
					Spike Concentration	Spike Recovery (%)		Recovery Limits(%)		RPD (%)	
		LOR	Unit	Result		LCS	DCS	Low	High	Value	Control Limit
EP: Aggregate Organics (QC Lot: 6664235)											
EP020: Oil & Grease	----	2	mg/L	<2	20 mg/L	94.0	----	80.4	107	----	----
EP: Aggregate Organics (QC Lot: 6664310)											
EP005: Total Organic Carbon	----	1	mg/L	<1	5 mg/L	110	----	81.4	116	----	----
				<1	100 mg/L	93.6	----	85.7	117	----	----
EP: Aggregate Organics (QC Lot: 6668280)											
EP026C: Chemical Oxygen Demand	----	----	mg/L	----	25 mg/L	99.6	----	92.3	108	----	----
				----	250 mg/L	98.1	----	93.7	105	----	----
EG: Metals and Major Cations - Total (QC Lot: 6647064)											
EG032: Calcium	7440-70-2	50	µg/L	<50	2000 µg/L	101	----	85.0	115	----	----
EG032: Iron	7439-89-6	10	µg/L	<10	2000 µg/L	103	----	85.0	115	----	----
EG032: Magnesium	7439-95-4	50	µg/L	<50	2000 µg/L	102	----	85.0	115	----	----
EG032: Potassium	7440-09-7	50	µg/L	<50	2000 µg/L	99.5	----	85.0	115	----	----
EG032: Sodium	7440-23-5	50	µg/L	<50	2000 µg/L	104	----	85.0	115	----	----
EG: Metals and Major Cations - Total (QC Lot: 6647065)											
EG020: Cadmium	7440-43-9	0.2	µg/L	<0.2	5 µg/L	98.8	----	85.0	109	----	----
EG020: Copper	7440-50-8	1	µg/L	<1	50 µg/L	103	----	90.0	111	----	----
EG020: Lead	7439-92-1	1	µg/L	<1	50 µg/L	96.4	----	89.0	111	----	----
EG020: Manganese	7439-96-5	1	µg/L	<1	50 µg/L	97.9	----	85.0	115	----	----
EG020: Nickel	7440-02-0	1	µg/L	<1	50 µg/L	101	----	87.0	110	----	----
EG020: Zinc	7440-66-6	10	µg/L	<10	50 µg/L	105	----	86.0	114	----	----

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report

Matrix: **WATER**

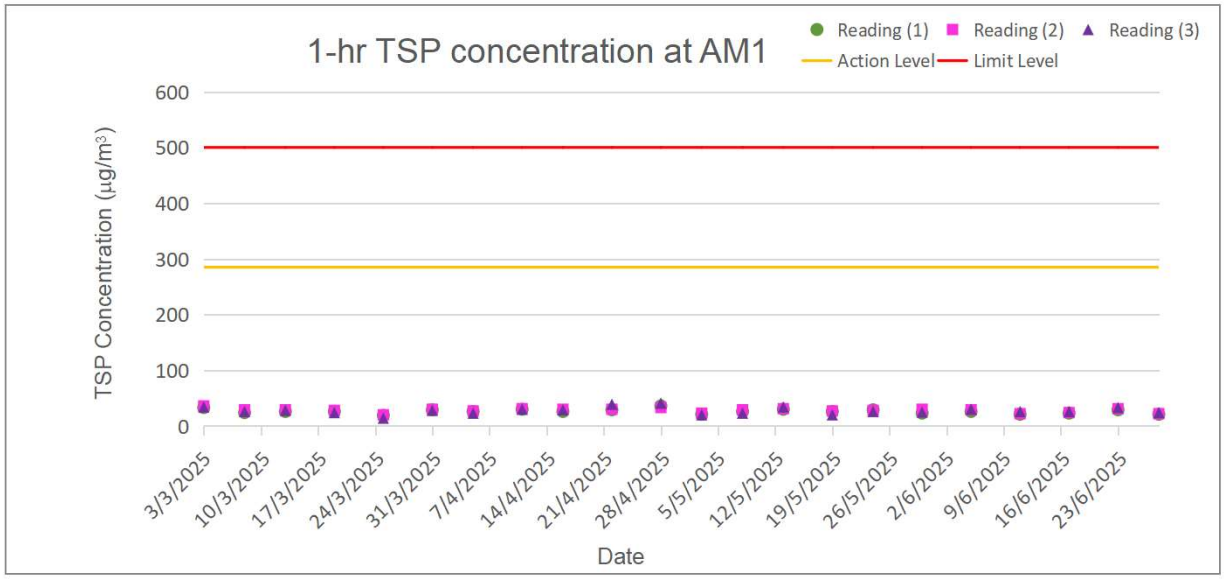
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report						
				Spike Concentration	Spike Recovery (%)		Recovery Limits (%)		RPD (%)	
					MS	MSD	Low	High	Value	Control Limit
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 6647113)										
HK2523430-001	Anonymous	EK071K: Reactive Phosphorus as P	14265-44-2	50 mg/L	107	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 6655243)										
HK2523911-001	WM 1	ED045K: Chloride	16887-00-6	5 mg/L	95.4	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 6655244)										
HK2523911-001	WM 1	ED041K: Sulphate as SO4 - Turbidimetric	----	5 mg/L	77.0	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 6655666)										
HK2522660-001	Anonymous	EK061A: Total Kjeldahl Nitrogen as N	----	50 mg/L	122	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 6657784)										
HK2524548-001	Anonymous	EK055K: Ammonia as N	7664-41-7	50 mg/L	103	----	75.0	125	----	----
EP: Aggregate Organics (QC Lot: 6664310)										
HK2524424-006	Anonymous	EP005: Total Organic Carbon	----	5 mg/L	107	----	75.0	125	----	----
EP: Aggregate Organics (QC Lot: 6668280)										
HK2523831-003	Anonymous	EP026C: Chemical Oxygen Demand	----	10 mg/L	96.0	----	75.0	125	----	----
EG: Metals and Major Cations - Total (QC Lot: 6647064)										
HK2523911-001	WM 1	EG032: Calcium	7440-70-2	2000 µg/L	113	----	75.0	125	----	----
		EG032: Iron	7439-89-6	2000 µg/L	106	----	75.0	125	----	----
		EG032: Magnesium	7439-95-4	2000 µg/L	103	----	75.0	125	----	----
		EG032: Potassium	7440-09-7	2000 µg/L	103	----	75.0	125	----	----
		EG032: Sodium	7440-23-5	2000 µg/L	# Not Determined	----	75.0	125	----	----
EG: Metals and Major Cations - Total (QC Lot: 6647065)										
HK2523911-001	WM 1	EG020: Cadmium	7440-43-9	5 µg/L	100	----	75.0	125	----	----
		EG020: Copper	7440-50-8	50 µg/L	103	----	75.0	125	----	----
		EG020: Lead	7439-92-1	50 µg/L	96.8	----	75.0	125	----	----
		EG020: Manganese	7439-96-5	50 µg/L	92.6	----	75.0	125	----	----

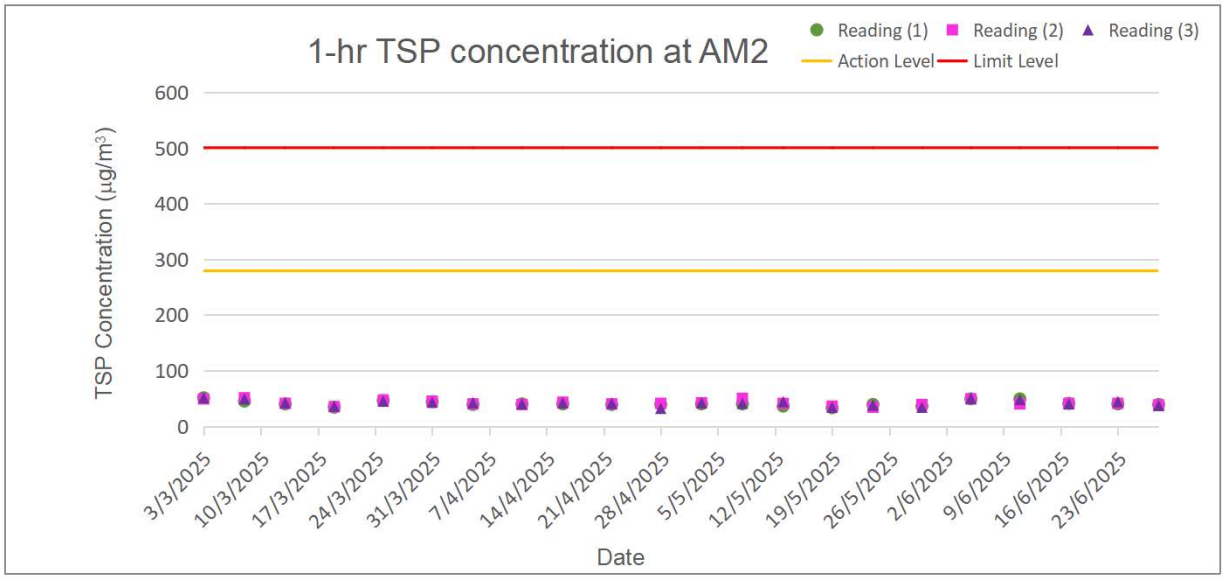
Matrix: **WATER**

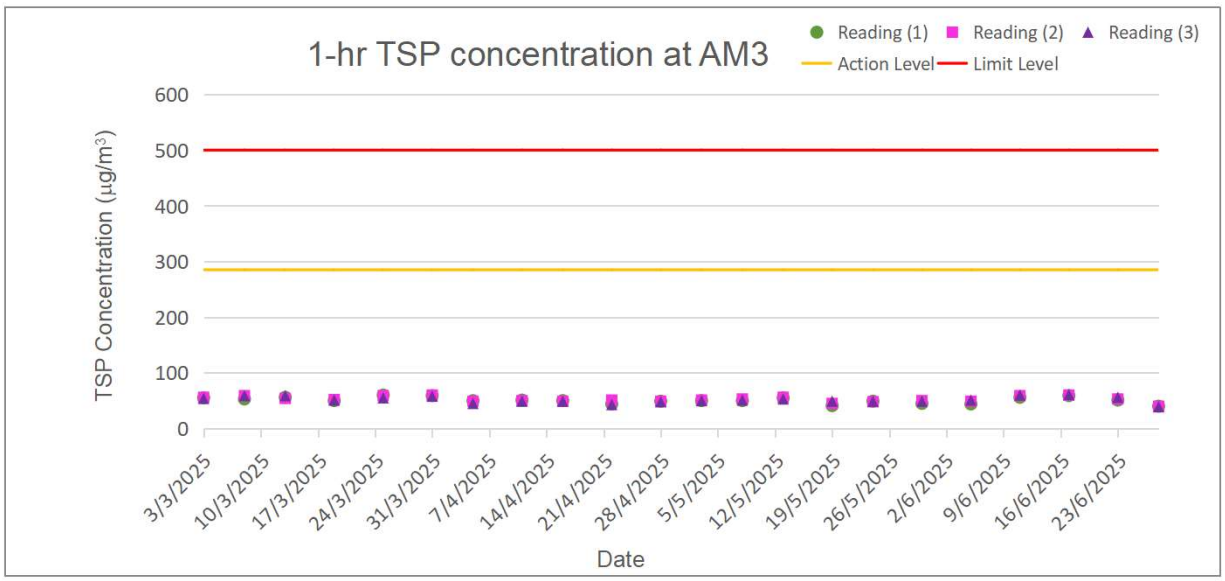
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report						
				Spike Concentration	Spike Recovery (%)		Recovery Limits (%)		RPD (%)	
					MS	MSD	Low	High	Value	Control Limit
EG: Metals and Major Cations - Total (QC Lot: 6647065) - Continued										
HK2523911-001	WM 1	**EG020: Nickel**	7440-02-0	50 µg/L	104	----	75.0	125	----	----
		EG020: Zinc	7440-66-6	50 µg/L	97.4	----	75.0	125	----	----

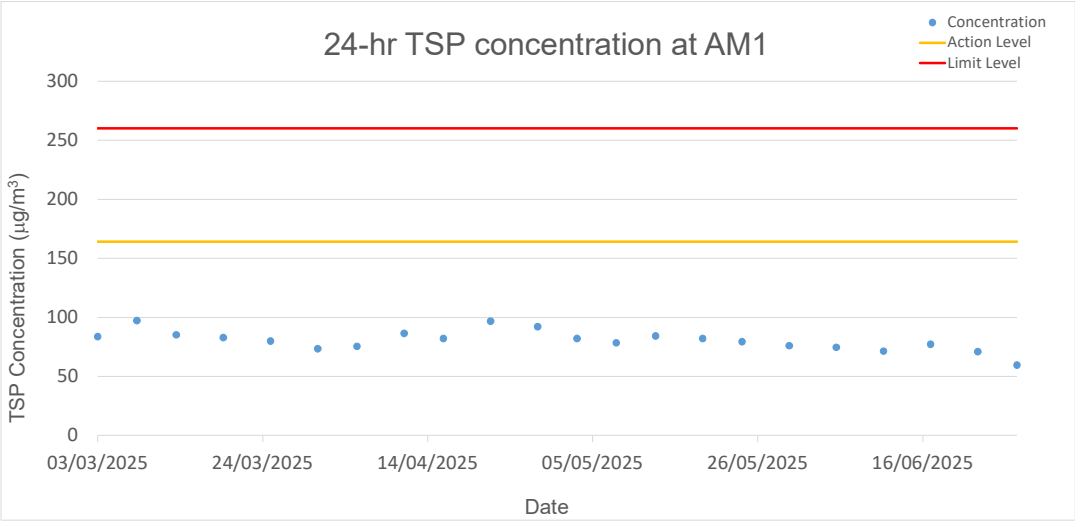
Appendix G Graphical Presentations

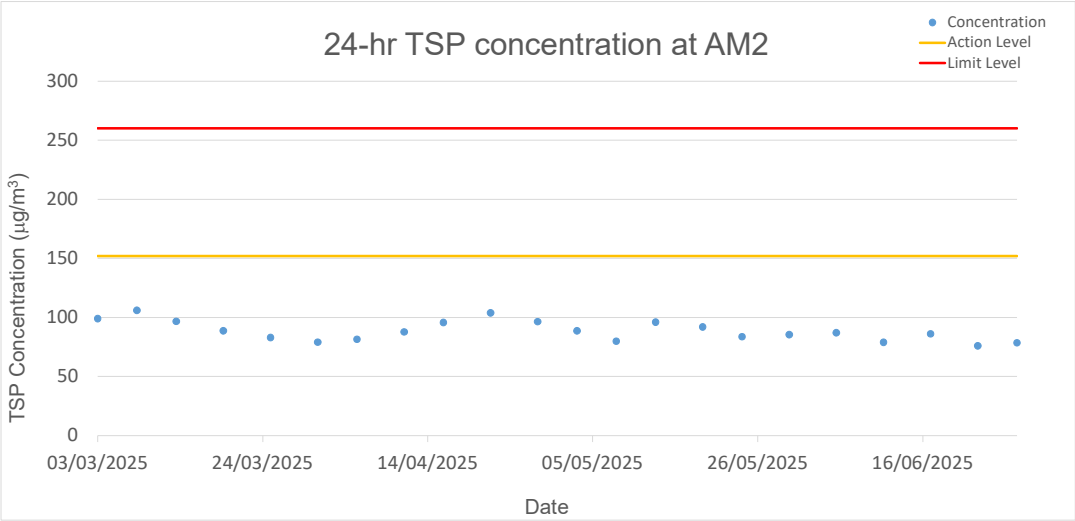
Air Quality

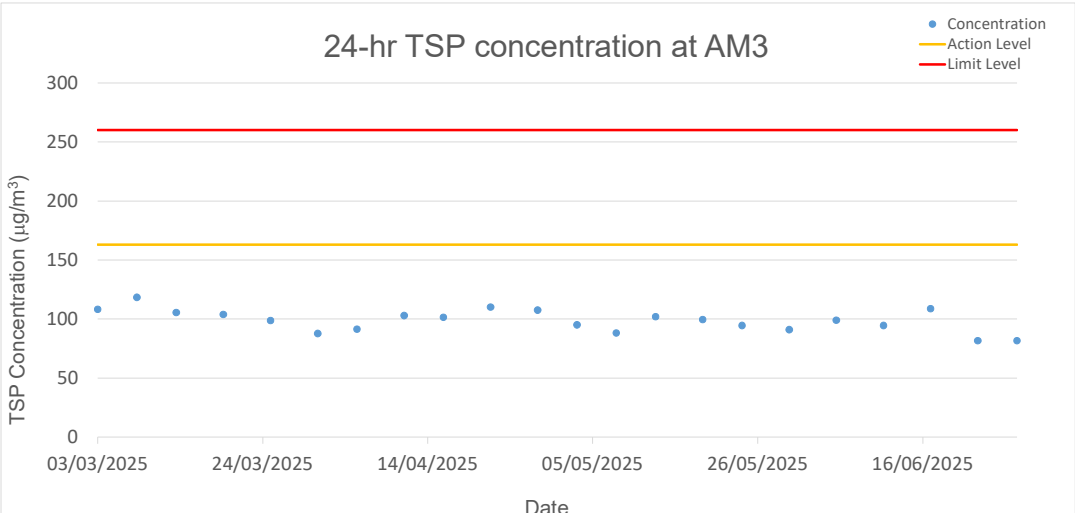

1-hr TSP concentration at AM1
Reading (1)
Reading (2)
Reading (3)
Action Level
Limit Level
TSP Concentration (μg/m³)
600
500
400
300
200
100
0
3/3/2025
10/3/2025
17/3/2025
24/3/2025
31/3/2025
7/4/2025
14/4/2025
21/4/2025
28/4/2025
5/5/2025
12/5/2025
19/5/2025
26/5/2025
2/6/2025
9/6/2025
16/6/2025
23/6/2025
Date


1-hr TSP concentration at AM2
Reading (1)
Reading (2)
Reading (3)
Action Level
Limit Level
TSP Concentration (μg/m³)
600
500
400
300
200
100
0
3/3/2025
10/3/2025
17/3/2025
24/3/2025
31/3/2025
7/4/2025
14/4/2025
21/4/2025
28/4/2025
5/5/2025
12/5/2025
19/5/2025
26/5/2025
2/6/2025
9/6/2025
16/6/2025
23/6/2025
Date

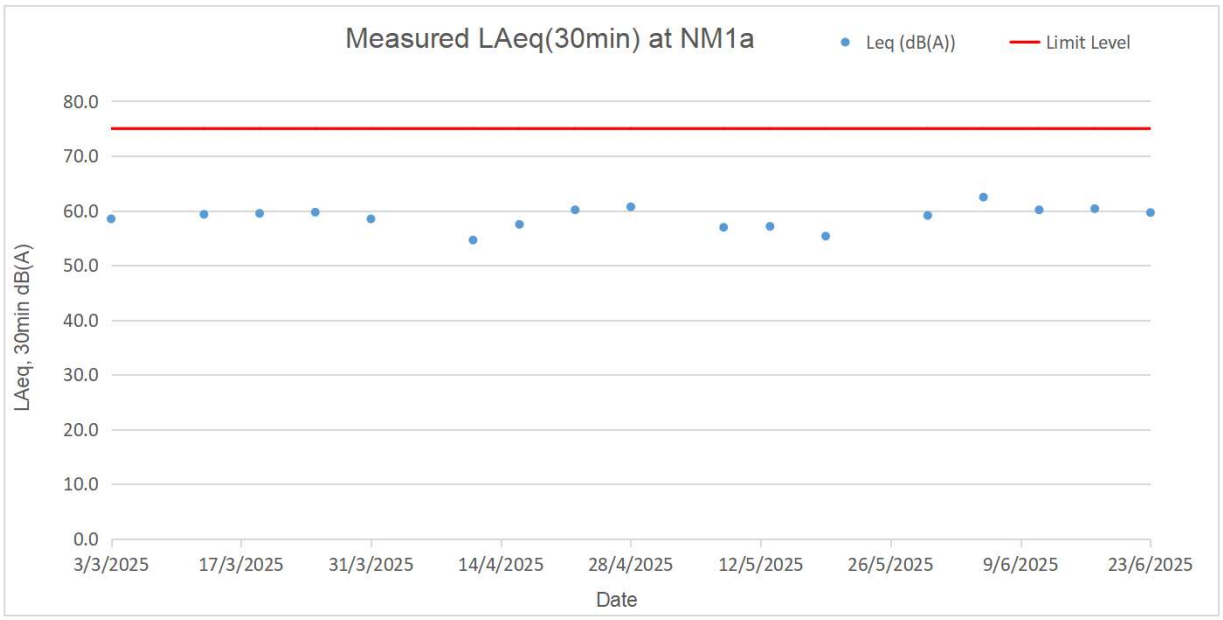

1-hr TSP concentration at AM3
Reading (1)
Reading (2)
Reading (3)
Action Level
Limit Level
TSP Concentration (μg/m³)
600
500
400
300
200
100
0
3/3/2025
10/3/2025
17/3/2025
24/3/2025
31/3/2025
7/4/2025
14/4/2025
21/4/2025
28/4/2025
5/5/2025
12/5/2025
19/5/2025
26/5/2025
2/6/2025
9/6/2025
16/6/2025
23/6/2025
Date

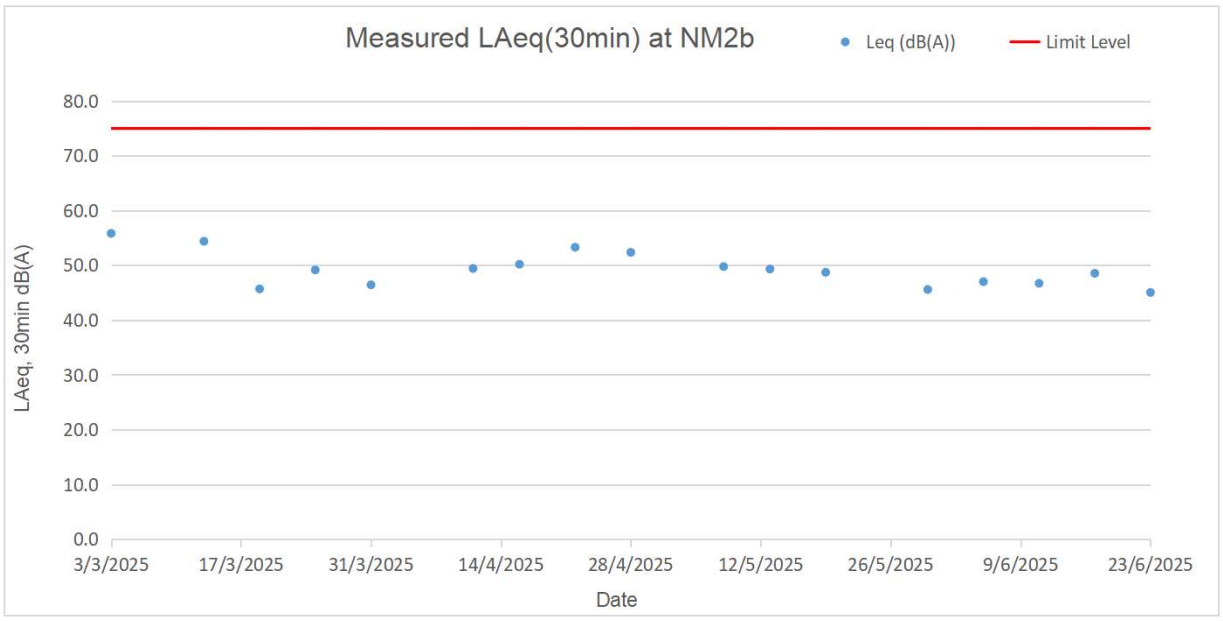

24-hr TSP concentration at AM1
Concentration
Action Level
Limit Level
TSP Concentration (µg/m³)
300
250
200
150
100
50
0
03/03/2025
24/03/2025
14/04/2025
05/05/2025
26/05/2025
16/06/2025
Date


24-hr TSP concentration at AM2
Concentration
Action Level
Limit Level
TSP Concentration (µg/m³)
300
250
200
150
100
50
0
03/03/2025
24/03/2025
14/04/2025
05/05/2025
26/05/2025
16/06/2025
Date


24-hr TSP concentration at AM3
Concentration
Action Level
Limit Level
TSP Concentration (µg/m³)
300
250
200
150
100
50
0
03/03/2025
24/03/2025
14/04/2025
05/05/2025
26/05/2025
16/06/2025
Date

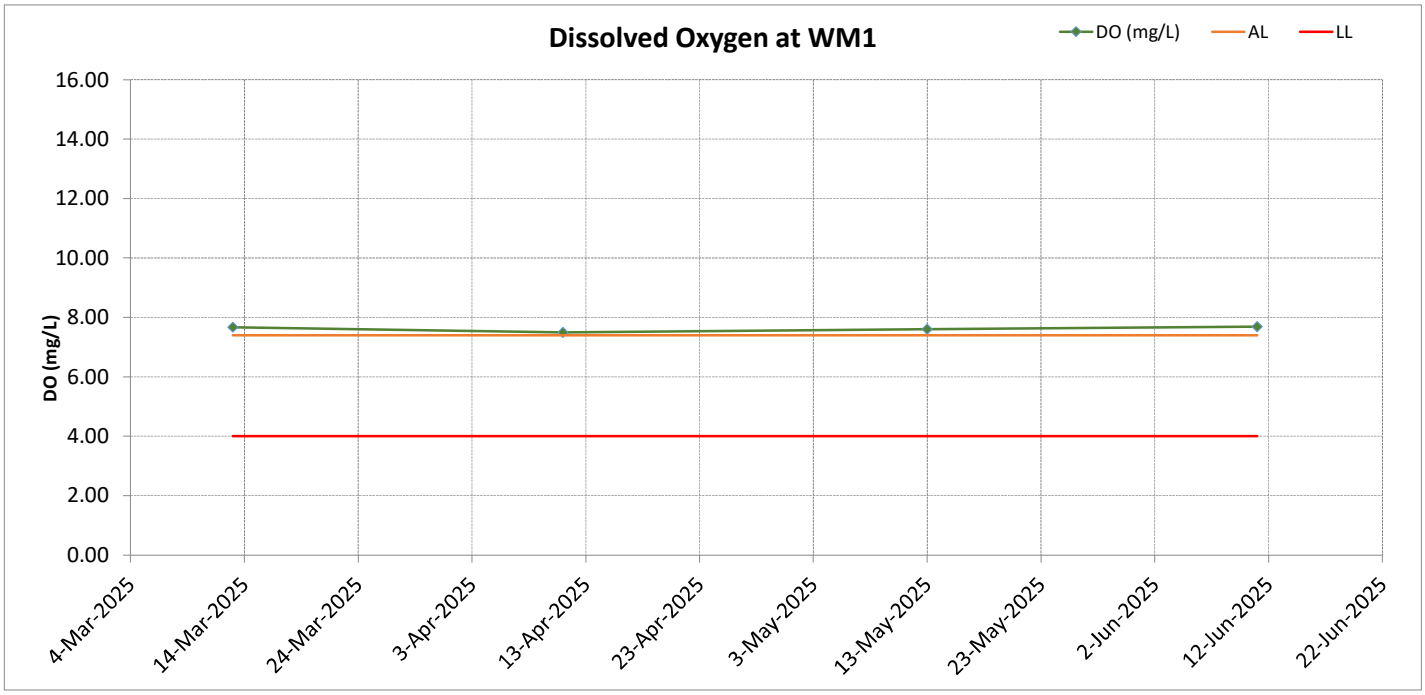
Noise

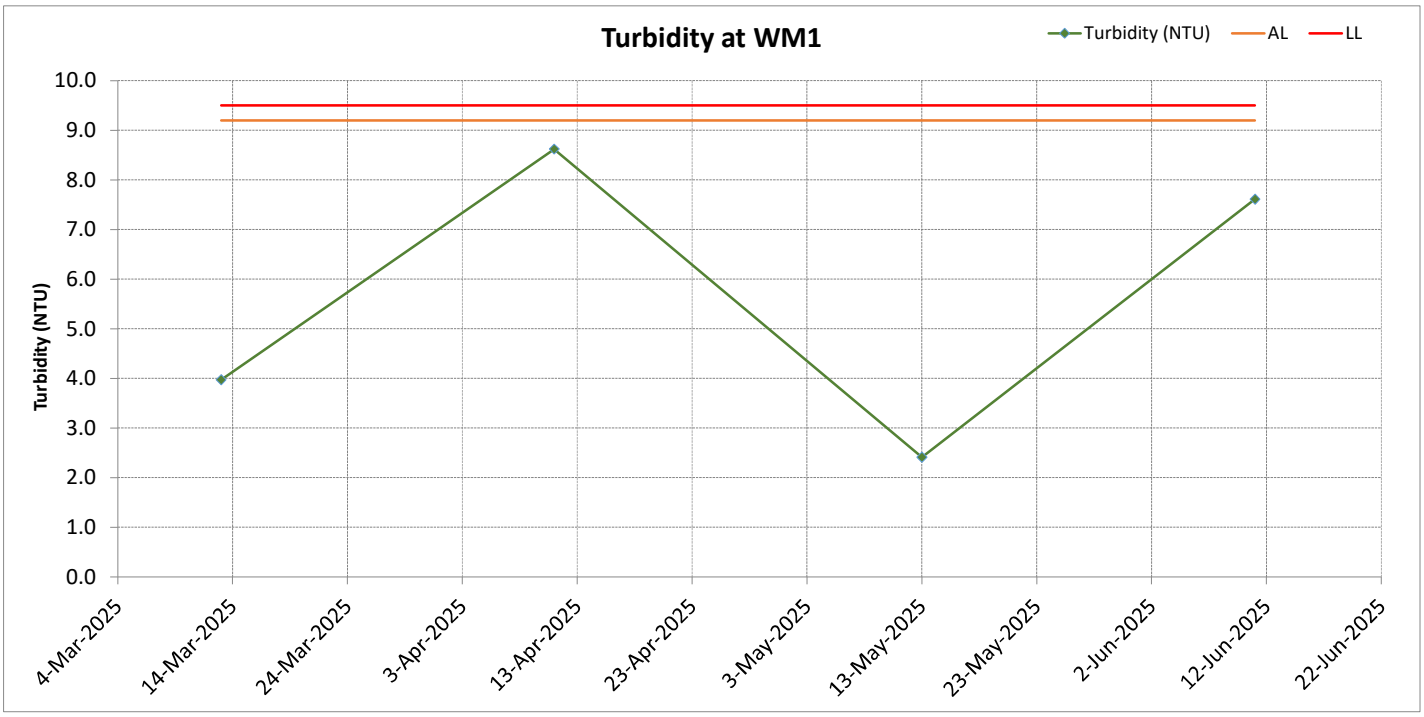

Measured LAeq(30min) at NM1a
Leq (dB(A))
Limit Level
80.0
70.0
60.0
50.0
40.0
30.0
20.0
10.0
0.0
LAeq, 30min dB(A)
3/3/2025
17/3/2025
31/3/2025
14/4/2025
28/4/2025
12/5/2025
26/5/2025
9/6/2025
23/6/2025
Date


Measured LAeq(30min) at NM2b
Leq (dB(A))
Limit Level
80.0
70.0
60.0
50.0
40.0
30.0
20.0
10.0
0.0
LAeq, 30min dB(A)
3/3/2025
17/3/2025
31/3/2025
14/4/2025
28/4/2025
12/5/2025
26/5/2025
9/6/2025
23/6/2025
Date

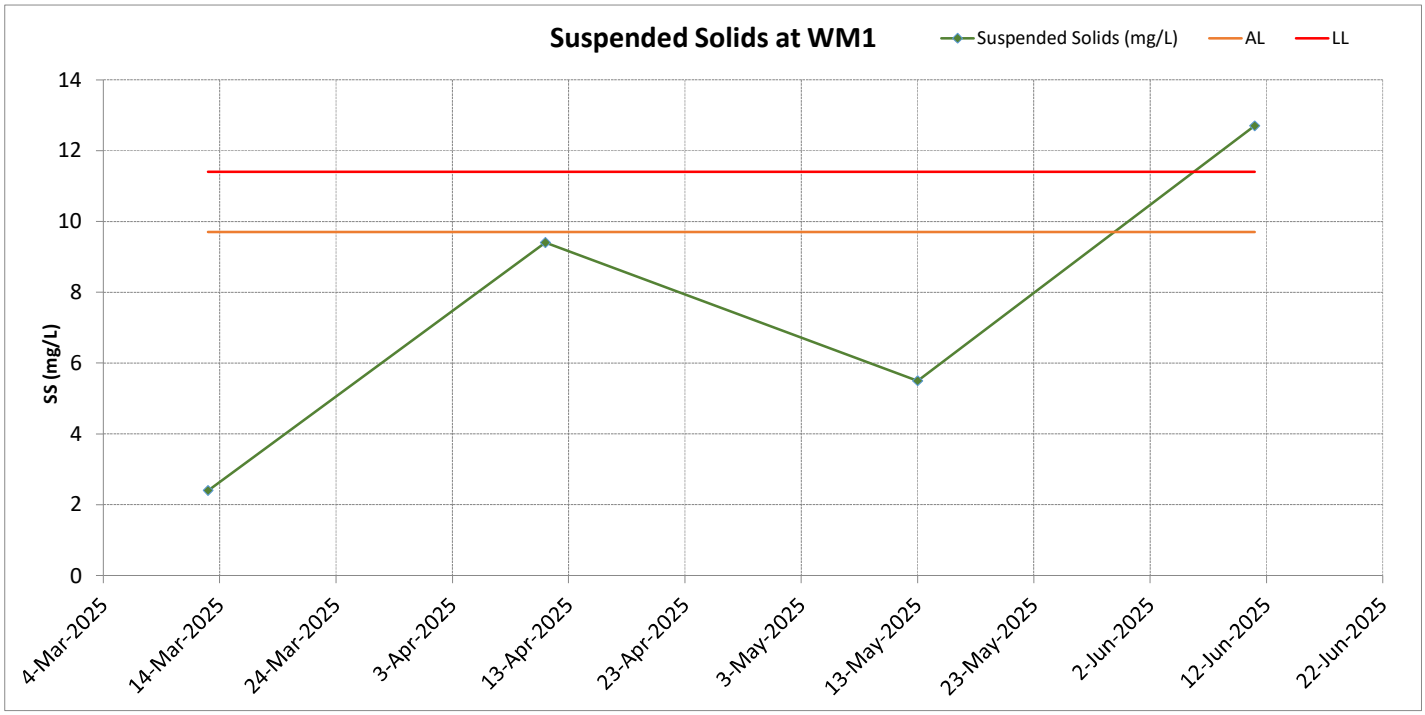
Water Quality

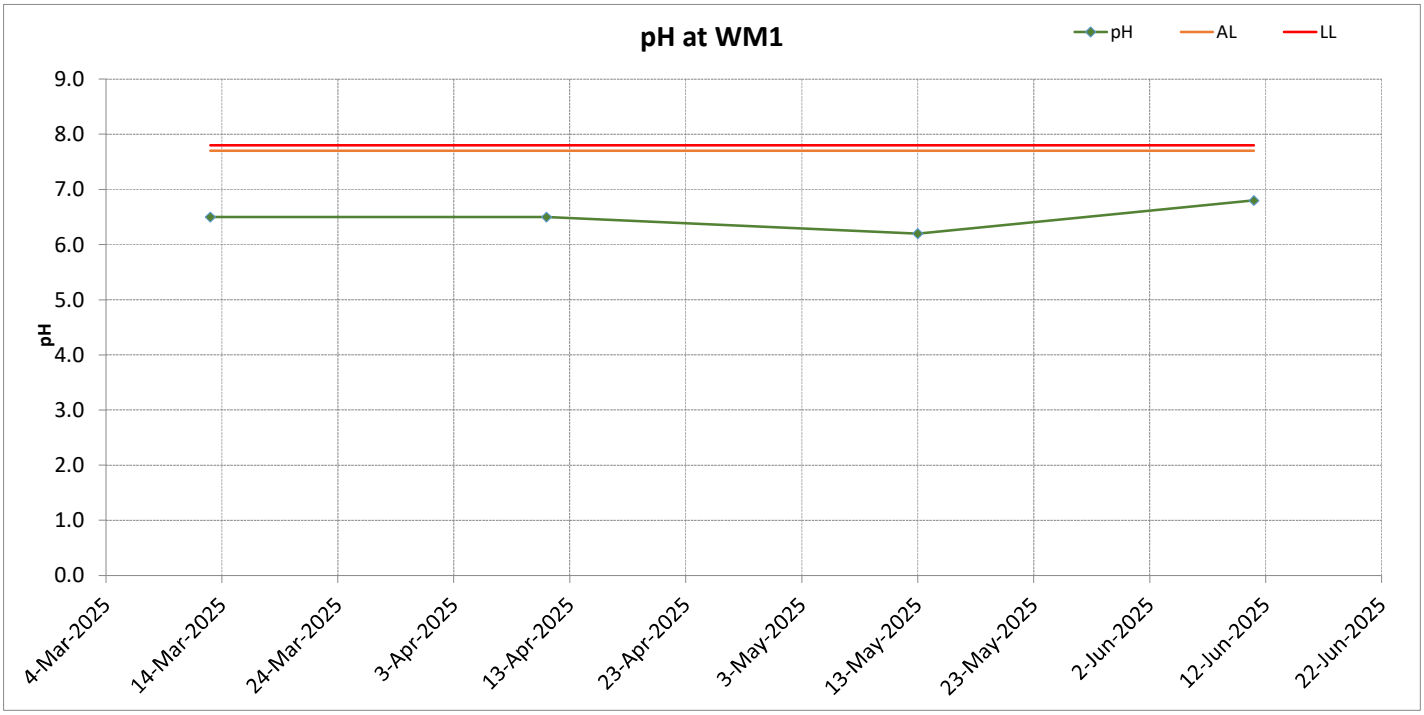
Surface Water Monitoring Results at WM1



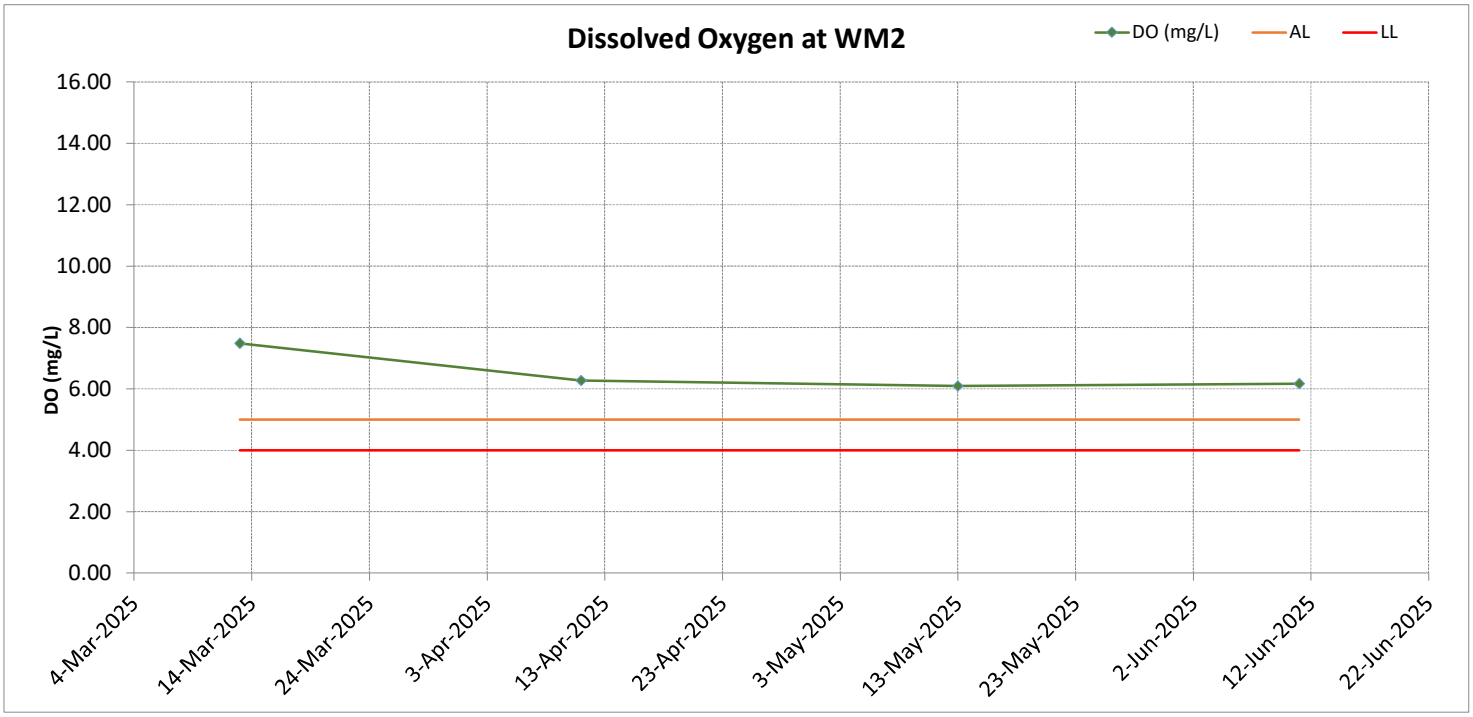


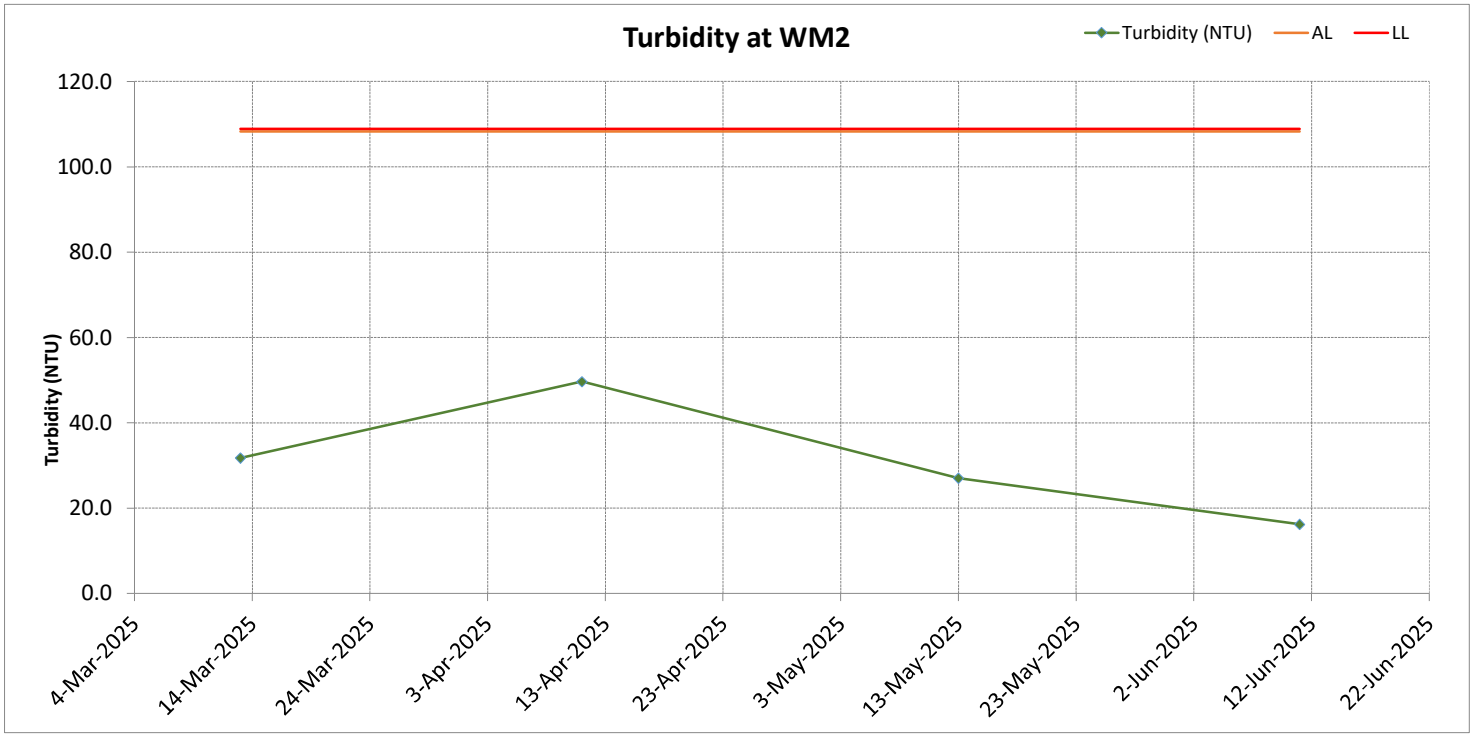
Surface Water Monitoring Results at WM1



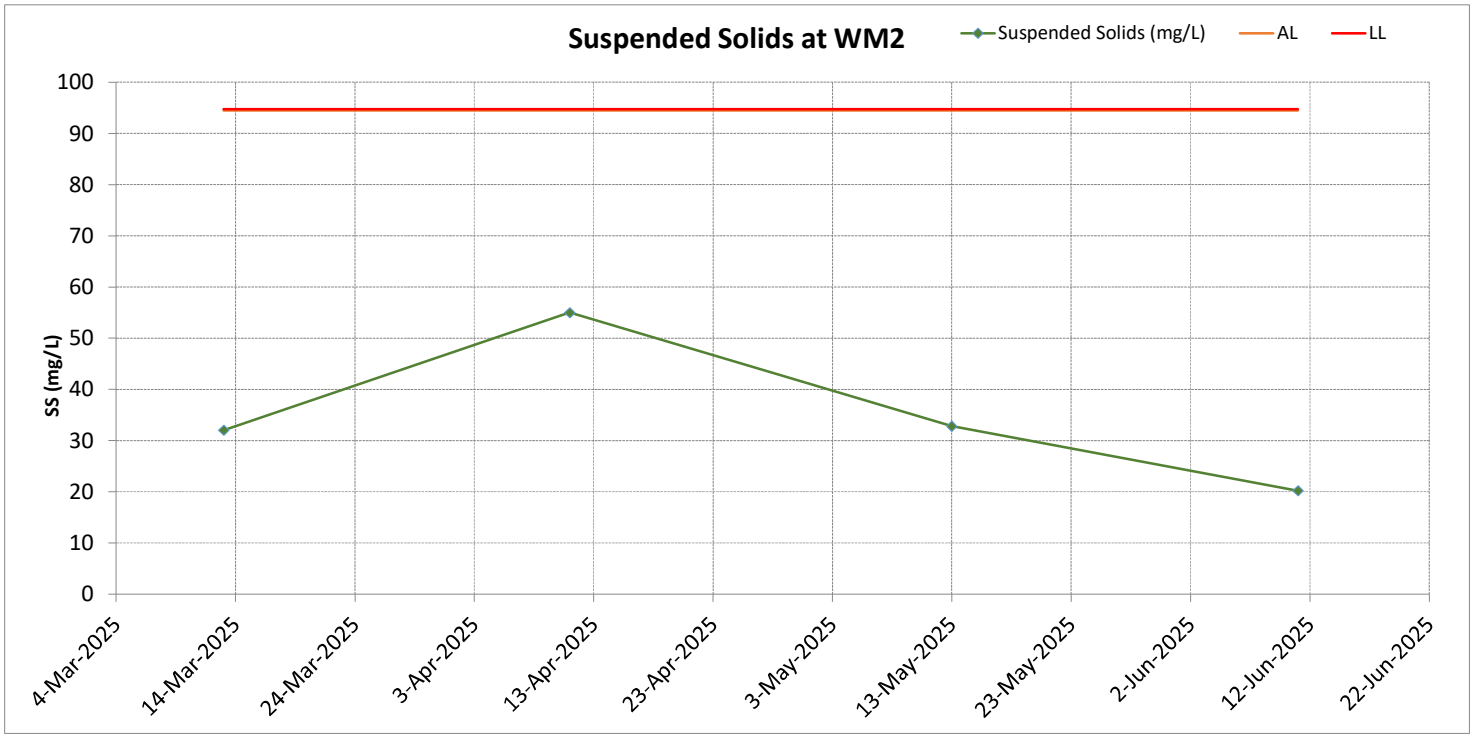


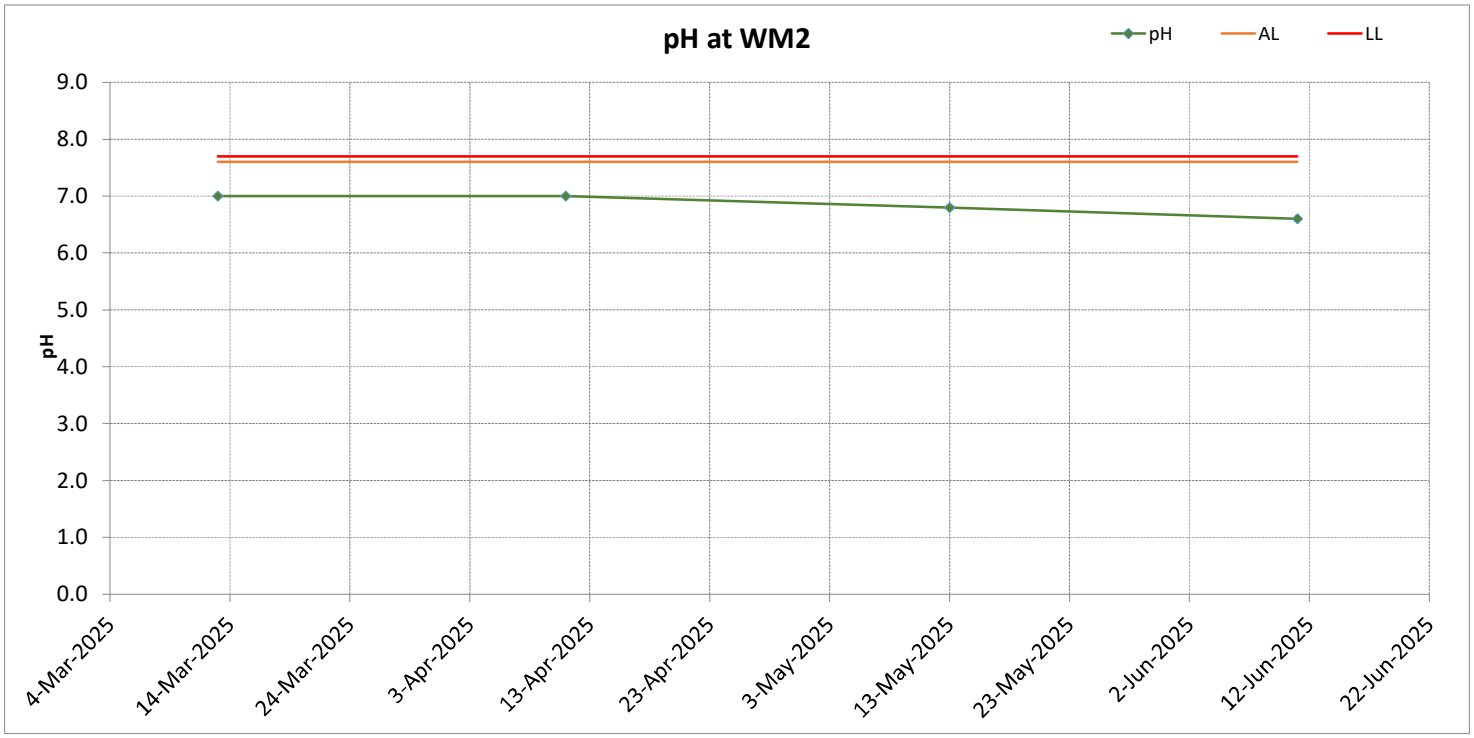
Surface Water Monitoring Results at WM2





Surface Water Monitoring Results at WM2





Appendix H Notification of Environmental Quality Limits Exceedance

Notification of Environmental Quality Limits Exceedance

Air Quality Monitoring - Construction Dust

Dust Monitoring Station	Level Exceedance	1-hr TSP Exceedance Count				24-hr TSP Exceedance Count			
		Reporting period		Accumulate project to date		Reporting period		Accumulate project to date	
		Project related	Non-project related	Project related	Non-project related	Project related	Non-project related	Project related	Non-project replated
AM1	Action	0	0	0	0	0	0	0	2
	Limit	0	0	0	0	0	0	0	3
AM2	Action	0	0	0	0	0	0	0	0
	Limit	0	0	0	0	0	0	0	0
AM3	Action	0	0	0	0	0	0	0	4
	Limit	0	0	0	0	0	0	0	3

Noise Monitoring

Noise Monitoring Station	Level Exceedance	LAeq (30mins) Exceedance Count			
		Reporting period		Accumulate project to date	
		Project related	Non-project related	Project related	Non-project related
NM1a	Action	0	0	0	0
	Limit	0	0	0	0
NM2a	Action	0	0	0	0
	Limit	0	0	0	0

Notification of Environmental Quality Limits Exceedance

Surface Water Monitoring

Surface Water Quality Monitoring Station	Level Exceedance	Exceedance Count															
		Reporting period								Accumulate project to date							
		Project related				Non-project replated				Project related				Non-project replated			
		DO	pH	Turb	SS	DO	pH	Turb	SS	DO	pH	Turb	SS	DO	pH	Turb	SS
WM1	Action	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	Limit	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
WM2	Action	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Limit	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0

Remarks:

1. “DO” equal to Dissolved Oxygen
2. “Turb” equal to Turbidity
3. “SS” equal to Suspended Solids

Landfill Gas (LFG) Monitoring

LFG Monitoring Station	Level Exceedance	Exceedance Count											
		Reporting period						Accumulate project to date					
		Project related			Non-project replated			Project related			Non-project replated		
		CH_4	CO_2	O_2	CH_4	CO_2	O_2	CH_4	CO_2	O_2	CH_4	CO_2	O_2
Portion A +50 mpD to +70 mpD Platform	Action	0	0	0	0	0	0	0	0	0	0	0	0
	Limit	0	0	0	0	0	0	0	0	0	0	0	0
Portion B2/E1	Action	0	0	0	0	0	0	0	0	0	0	0	0
	Limit	0	0	0	0	0	0	0	0	0	0	0	0

North East New Territories (NENT) Landfill Extension
Notification of Environmental Quality Limits Exceedances – IR

Notification No.: 010_20250611
Date: 04 July 2025

Monitoring Data Received date: 26 June 2025

Date of Notification: 03 July 2025 (by email)

Works Inspected: Project Site Area & Monitoring Station WM1

Monitoring Location: WM1 – Upstream of Lin Ma Hang River

Parameter: Surface Water Quality – Suspended Solids (SS) (Exceed Limit Level)

1 Monitoring Results

1.1 A SS exceedance in Limit Level of Surface water quality was recorded during impact monitoring at WM1 on 11 June 2025. The detailed layout of Surface Water Quality Monitoring (WQM) location with the related streams are presented in **Figure 1**. Details monitoring of results are shown in **Table 1.1**.

Table 1.1 Surface WQM Results at WM1

Monitoring Location	WM1		
Date	11 June 2025		
Time	12:30		
Weather	Cloudy		
Water Depth (m)	0.2		
Water Flow (L/s)	0.1		
Water Temperature (°C)	25.8		
Turbidity (NTU)	7.6		
SS (mg/L)	**Value**	**Action Level**	**Limit Level**
	12.7	**>9.7**	**>11.4**

Results of Investigation (Possible reason for Action or Limit Level Non-compliance)

2 Observation during the monitoring event

2.1 According to the monitoring staff observation during the monitoring period, the Surface WQM Location WM1 was shown light grey color (See **Photos 2-1 & 2-3**). No muddy water & silt and grit were found at river (including riverside) of upstream and downstream near Surface WQM Location WM1 (See **Photos 2-2 & 2-3**). It can exclude the non-treated construction runoff of the project site directly flow into Surface WQM Location WM1. Surface WQM Location WM1 is situated at the surface runoff from the upstream near Northing (m): 844990, Easting (m): 836655. The monitoring location & site area are presented in **Figure 1**.

Photo 2-1 Water Sample at Surface WQM Location WM1

Photo 2-1 Surface WQM Location WM1 (Face to upstream)

Photo 2-3 Surface WQM Location WM1 (Face to downstream)

3 Construction Activities & Mitigation Measures taken by Contractor

3.1 Based on the contractor's record, construction activities and mitigation measures conducted by contractor, use of machinery & potential water quality impact on 11 June 2025 are listed in **Table 3.1**.

Table 3.1 Construction activities and Mitigation measures on 11 June 2025

Construction Area	Construction Activities	Use of Machinery	Potential Water Quality impact	Mitigation Measures
Portion A	- Site Formation - Treatment Facilities Installation	- Excavators - Cranes	Construction Runoff	Silt Removal Facility X 1
Portion B2 & E1	- Site Formation	- Excavators	Construction Runoff	Silt Removal Facility X 4
Portion D	- Construction of Permanent Infrastructure	- Excavators - Cranes	Construction Runoff	Silt Removal Facility X 1
Portion E3	- Site Formation - Construction of Retaining Wall - Liner Installation	- Excavators - Rollers - Compactors	Construction Runoff	Silt Removal Facility X 4
Portion E4	- Site Formation - Construction of Retaining Wall - Liner Installation	- Excavators - Rollers - Compactors	Construction Runoff	Silt Removal Facility X 2

3.2 The detailed construction activities & use of machinery in the designated area are presented in **Figure 2**.

Portion A

3.3 Based on the contractor's record, site formation & treatment facilities installation were carried out at Portion A on 11 June 2025. Excavators and cranes were used for related construction activities. Construction runoff would be collected into a silt removal facility for treatment before discharge into Ping Yuen River.

Portion B2 & E1

3.4 Site formation was conducted at Portion B2 & E1 on 11 June 2025. Excavators were used for related construction work. Construction runoff would be collected into four (4) silt removal facilities for treatment before discharge into Ping Yuen River.

Portion E3

3.5 Site formation, construction of retaining wall and liner installation were carried out at Portion E3 on 11 June 2025. Excavators, rollers and compactors were used for related construction works. Construction runoff would be collected into four (4) silt removal facilities for treatment before discharge into Ping Yuen River.

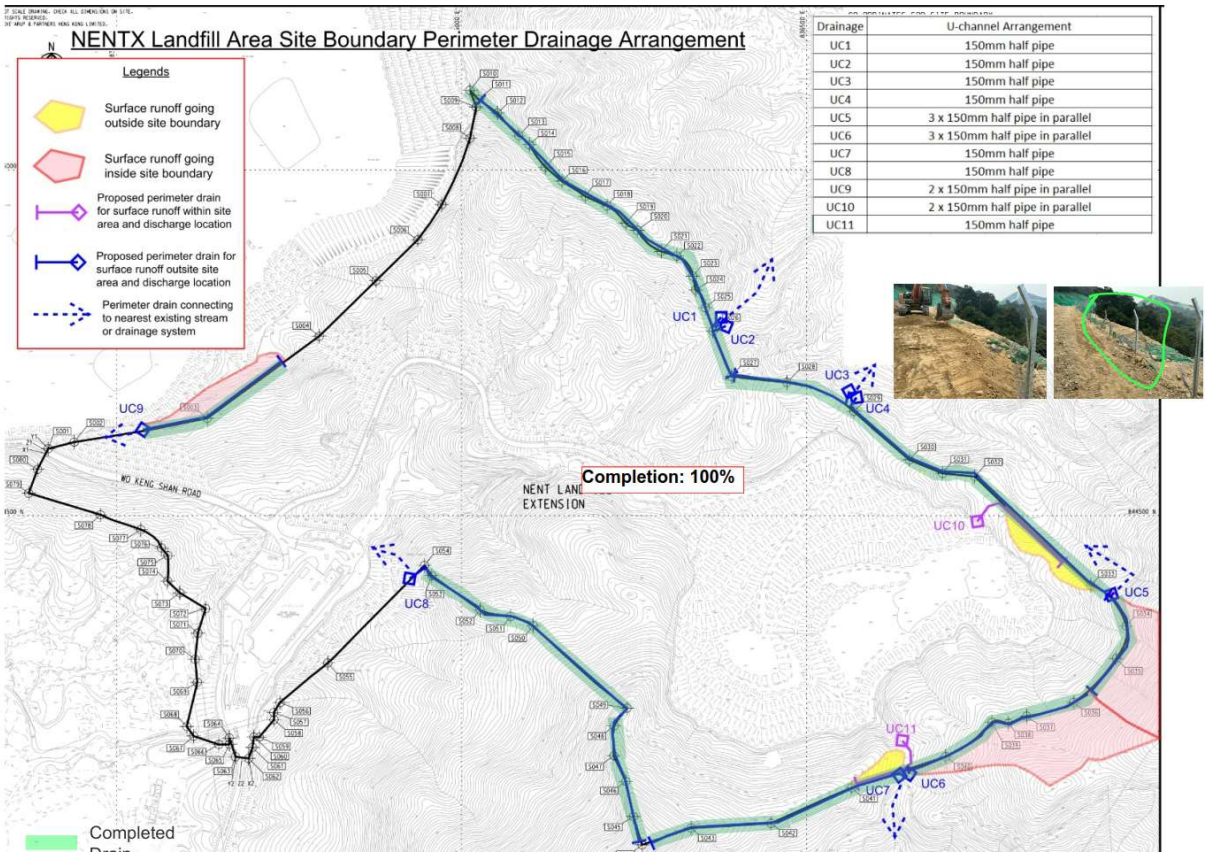
Portion E4

3.6 Site formation, construction of retaining wall and liner installation were conducted at Portion E4 on 11 June 2025. Excavators, rollers and compactors were used for related construction works. Construction runoff would be collected into two (2) silt removal facilities for treatment before discharge into Ping Yuen River.

3.7 Due to the Temprary Surface Water Drainage System, which consist of channels as constucted around the perimeter of the project sie, collect surface water from the areas of high elevations to those of lower

elevations and ultimately to the point of discharge (All treated construction runoff discharge into upstream of Ping Yuen River and no treated construction runoff discharge into Ling Ma Hang Stream.), was implemented by the Contractor. Hence, Construction runoff of the project site did not affect the water qualiy of Lin Ma Hang Stream (i.e. Surface WQM Location WM1).

3.8 In addition, perimeter drainage is implemented by the Contractor along the project site boundary. The location plan for perimeter drainage is perimeter drainage perimeter drainage presented below:



Source from Contractor (Location Plan for Perimeter Drainage updated to 10 Jul 2025)

4 Repeat measurement of exceedance & observations on 5 July 2025

4.1 The repeat measurement of exceedance was conducted on 5 July 2025. The details of surface WQM results are listed in **Table 4.1**.

Table 4.1 Repeat Measurement Surface WQM Results at WM1

Monitoring Location	WM1		
Date	5 July 2025		
Time	10:10		
Weather	Fine		
Water Depth (m)	0.2		
Water Flow (L/s)	0.1		
Water Temperature (°C)	25.4		
Turbidity (NTU)	6.0		
SS (mg/L)	**Value**	**Action Level**	**Limit Level**
	3.0	**>9.7**	**>11.4**

4.2 The result reflected that there is no SS exceedance in Action and Limit Level of Surface water quality was recorded during impact monitoring at WM1 on 5 July 2025.

4.3 No muddy water & silt and grit were found at the stream (including riverside) of upstream and downstream near Surface WQM Location WM1 (See **Photos 4-1 to 4-4**). It can exclude the non-treated construction runoff of the project site directly flow into Surface WQM Location WM1.

Photo 4-1 Upstream of Lin Ma Hang Stream

Photo 4-2 Upstream of Lin Ma Hang Stream

Photo 4-3 Upstream of Lin Ma Hang Stream (Face to Surface WQM Location WM1)

Photo 4-4 Upstream of Lin Ma Hang Stream (Face to Surface WQM Location WM1)

5 Rainfall Recorded from Hong Kong Observatory (HKO) Automatic Weather Station – North District

5.1 According to the HKO's record (HKO Automatic Weather Station – North District), the hourly rainfall recorded on 11 June 2025 is listed in **Table 5.1**.

Table 5.1 Hourly Rainfall Recorded at HKO Weather Station – North District

Date	Time Period	Rainfall (mm)
11 Jun 2025	02:00 to 03:00	0 to 10
	07:00 to 08:00	0 to 1
	08:00 to 09:00	0 to 1
	11:00 to 12:00	0 to 5
	12:00 to 13:00	0 to 2

5.2 According to the hourly rainfall records, it resulted there was much rainfall that affected the water quality of WM1 past 24 hours. Due to the water depth upstream of Lin Ma Hang Stream being shallow, the suspended solids at the bottom of the stream were easy to be turbulent during the rain event. The Hourly and Daily Rainfall Distribution from HKO is shown in **Appendix A**.

5.3 No hourly rainfall was recorded on 5 July 2025 in accordance with HKO's record (HKO Automatic Weather Station – North District). The Daily Rainfall Distribution from HKO is shown in **Appendix A**.

6 Actions taken/ to be taken

6.1 Due to the measurement on 11 June 2025 exceeded the Limit Level at WM1, the actions taken by ET in accordance with the Event/ Action Plan for water quality impact were listed below:

- ✓ • Repeat in situ measurement to confirm findings
- ✓ • Identify source(s) of impact
- ✓ • Prepare Notification of Exceedance
- ✓ • Inform IEC and Contractor (3 Jul 2025)
- ✓ • Check monitoring data, all plant, equipment and Contractor's working methods
- ✓ • Repeat measurement on next day of exceedance
- ✓ • Discuss mitigation measures with IEC and Contractor
- ✓ • Ensure mitigation measure are implemented

7 Conclusion & Follow Up Actions

7.1 In summary the results of investigation (Including construction activities, implementation status of mitigation measures, monitoring results, observation, repeat monitoring results & rainfall record from HKO), the exceedance should be affected by the rain event on 11 June 2025. Therefore, the exceedance is not related to the project. No action should be followed up by Contractor. The repeat measurement for exceedance was stopped starting on 5 July 2025.

Reviewed by:  Title: Deputy ET Leader

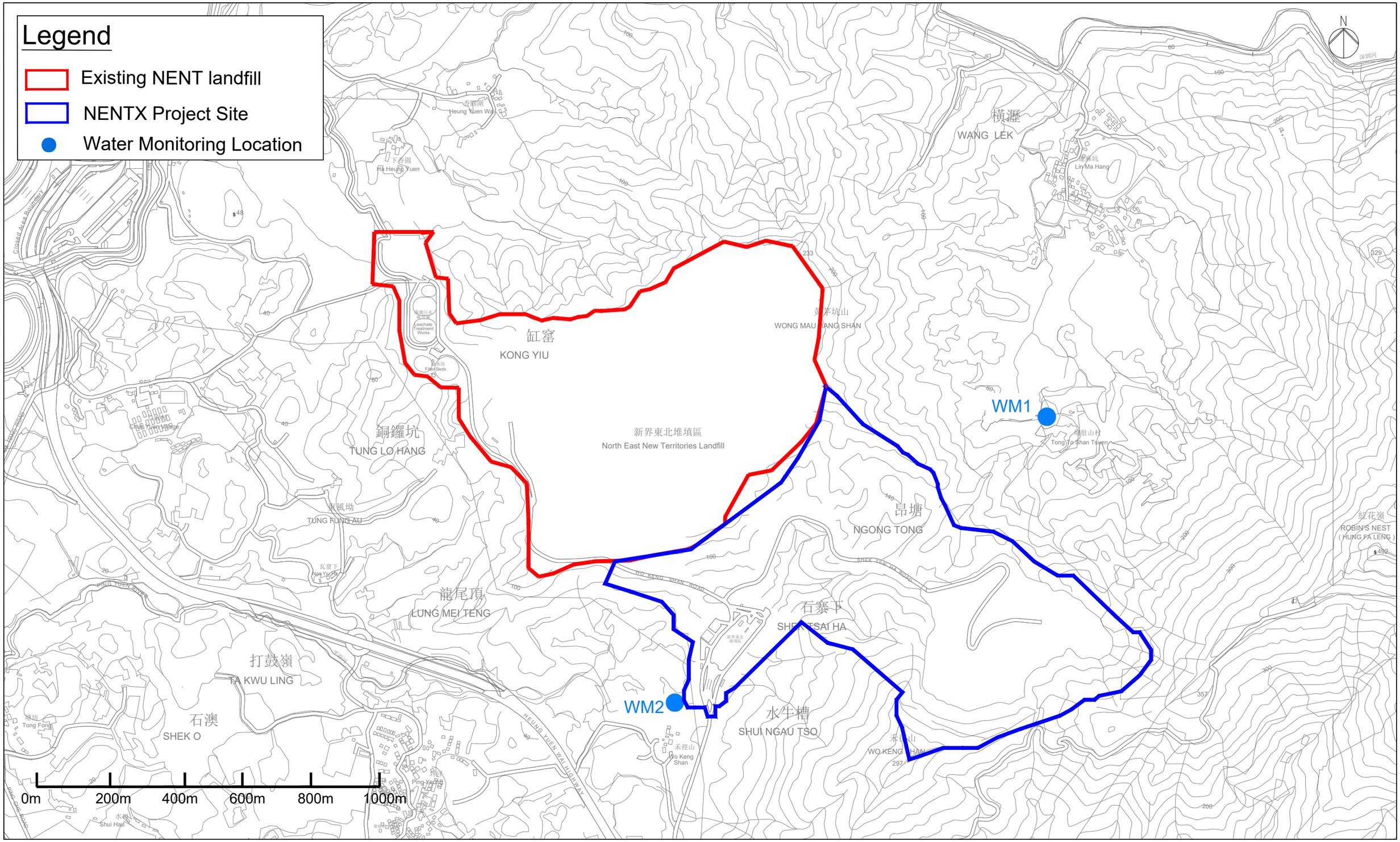
Keith Chau Date: 14 July 2025

Approved by:  Title: ET Leader

Fredrick Leong Date: 14 July 2025

Figure 1

Layout Plan of Impact Surface Water Quality Monitoring Locations



aurecon Aurecon Hong Kong Limited	North East New Territories (NENT) Landfill Extension Impact Surface Water Quality Monitoring Locations	Figure 1

Figure 2

Layout Plan of Construction Activities on 11 June 2025

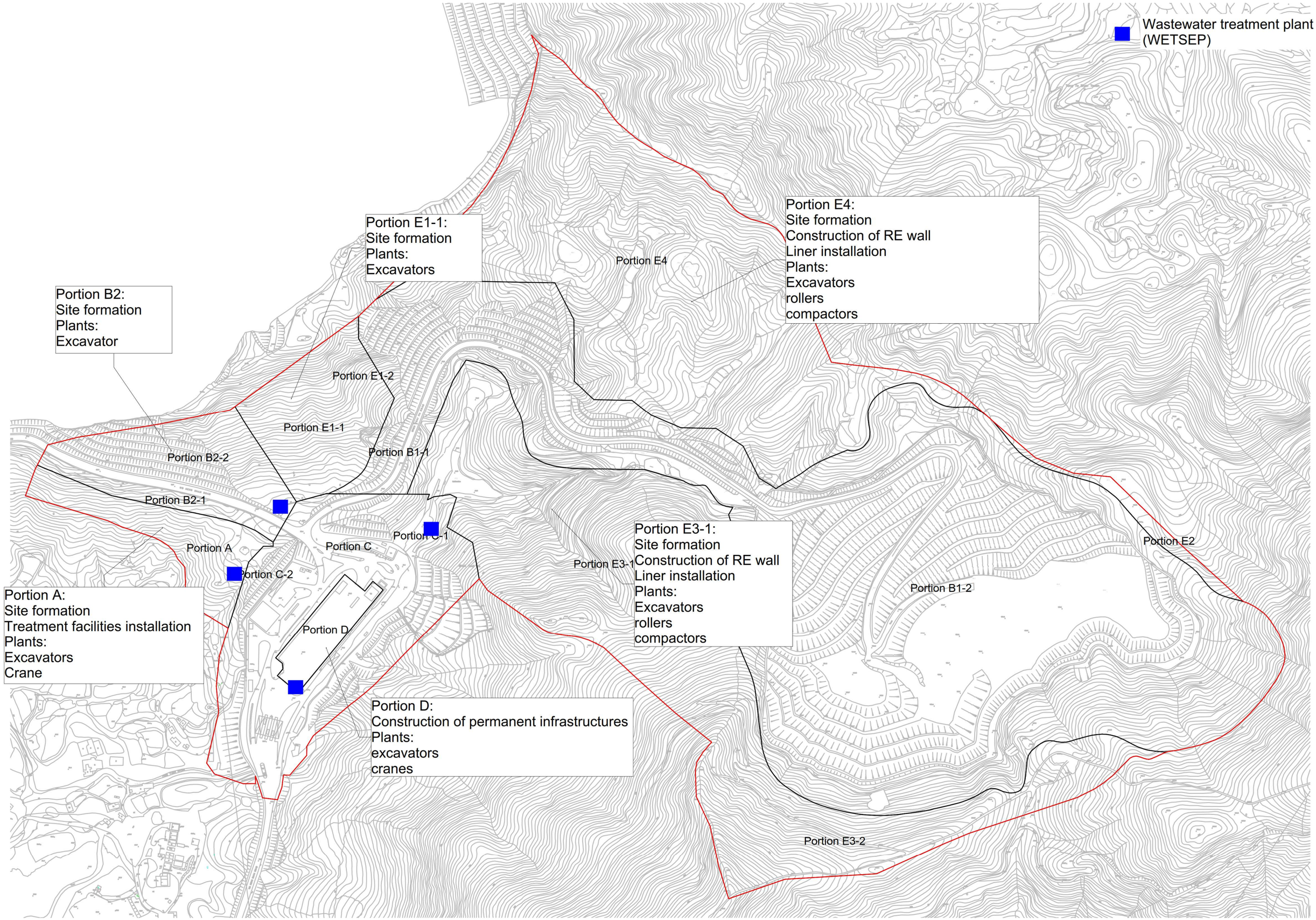


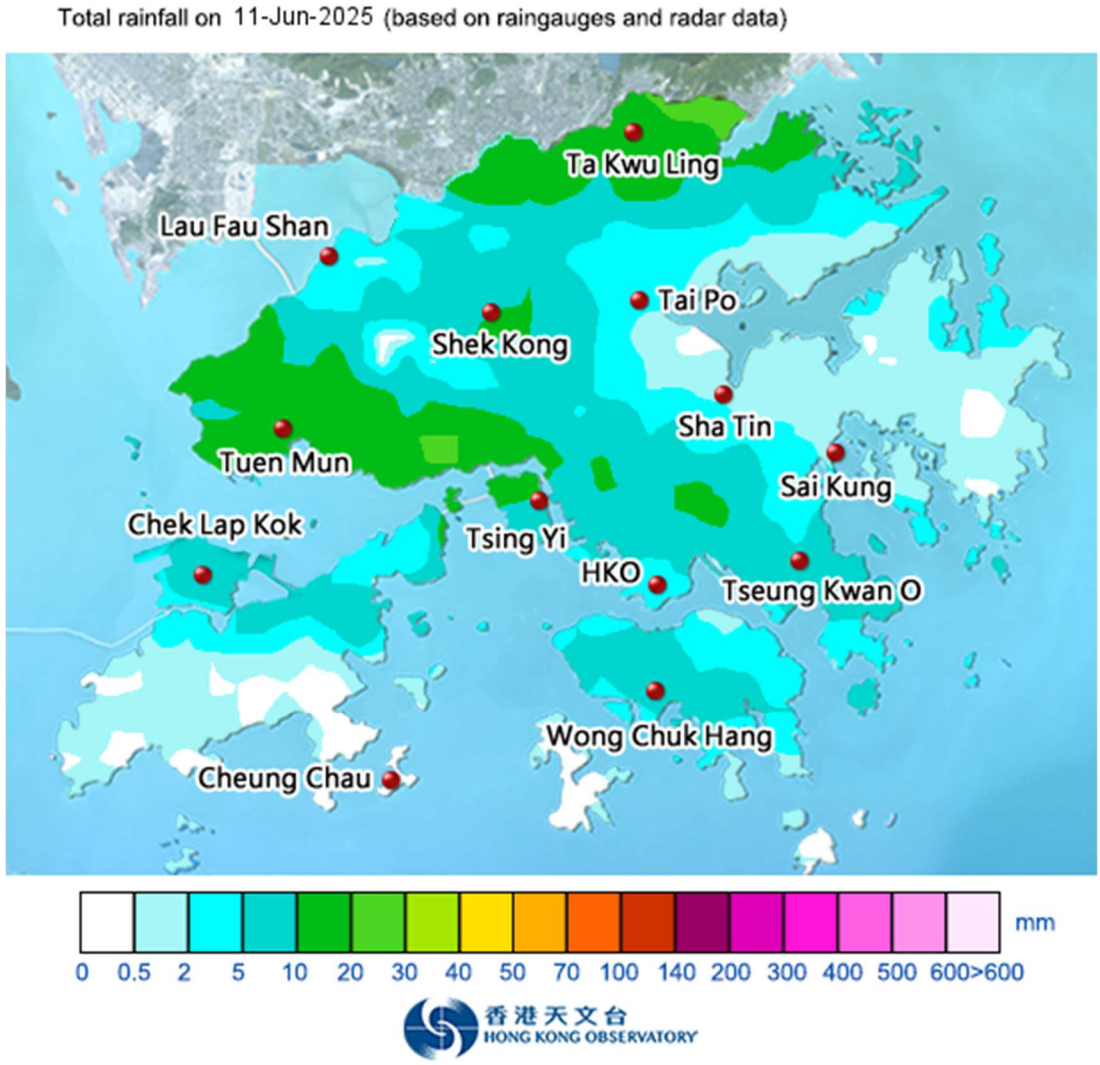
Figure 2 Layout Plan of Construction Works on 11 June 2025

Appendix A

Daily Rainfall Distribution from HKO

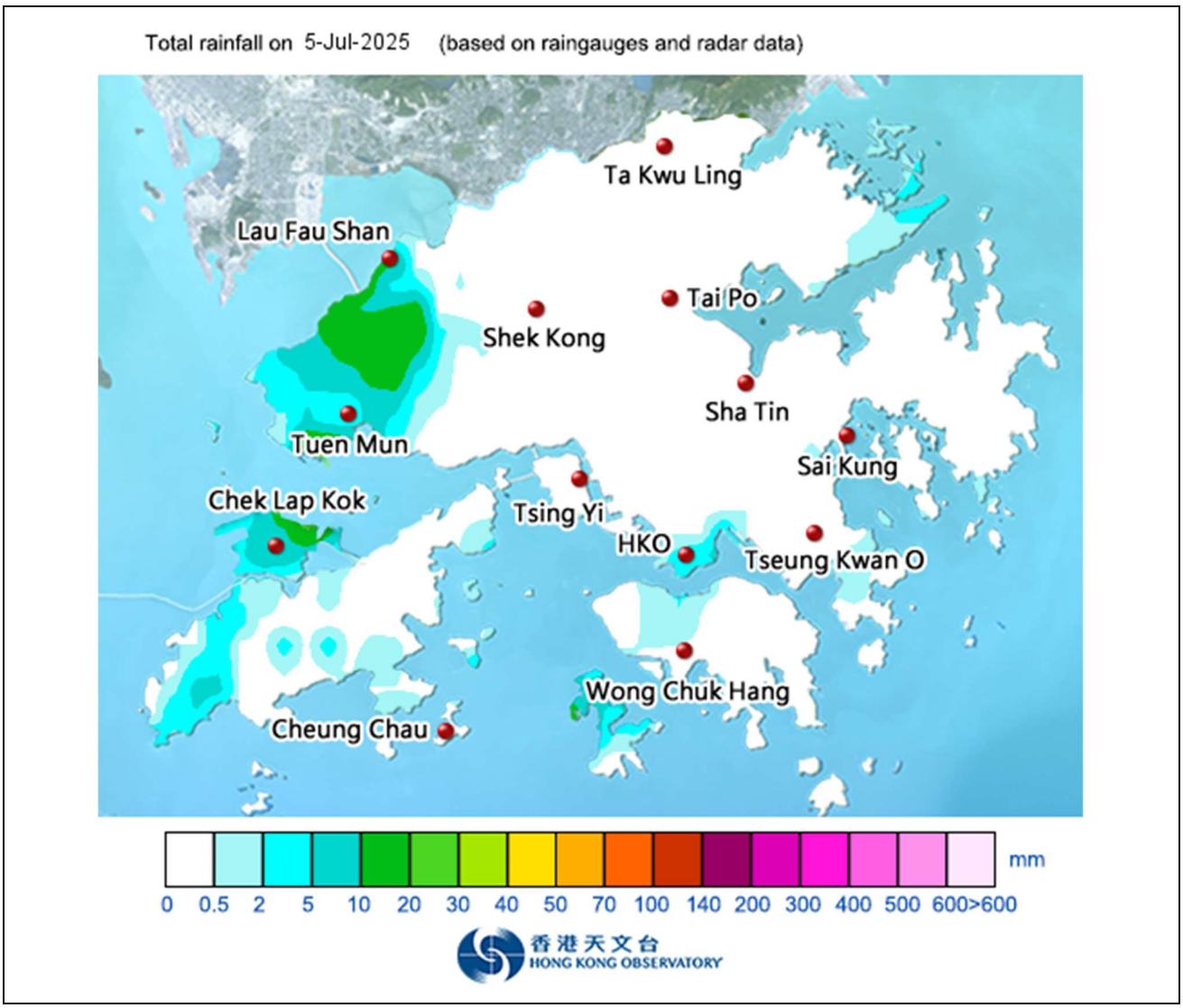
Appendix A Daily Rainfall Distribution from HKO

Daily Rainfall Record 11 June 2025



Appendix A Hourly & Daily Rainfall Distribution from HKO

Daily Rainfall Record 5 July 2025



Appendix I Wind Data

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250601_0003	0.1	326
20250601_0013	0.1	158
20250601_0023	0.1	144
20250601_0033	0.1	69
20250601_0043	0.1	101
20250601_0053	0.1	114
20250601_0103	0.2	120
20250601_0113	0.1	71
20250601_0123	0.1	139
20250601_0133	0.1	102
20250601_0143	0.1	158
20250601_0153	0.1	27
20250601_0203	0.1	41
20250601_0213	0.1	150
20250601_0223	0.1	131
20250601_0233	0.1	170
20250601_0243	0.1	0
20250601_0253	0.1	142
20250601_0303	0.1	166
20250601_0313	0.1	261
20250601_0323	0.1	144
20250601_0333	0.1	148
20250601_0343	0.1	150
20250601_0353	0.1	133
20250601_0403	0.1	231
20250601_0413	0.1	189
20250601_0423	1.9	136
20250601_0433	1.6	146
20250601_0443	0.1	201
20250601_0453	0.1	93
20250601_0503	0.2	104
20250601_0513	0.1	75
20250601_0523	0.1	146
20250601_0533	0.1	317
20250601_0543	0.1	72
20250601_0553	0.1	337
20250601_0603	0.1	323
20250601_0613	0.1	298
20250601_0623	0.1	267
20250601_0633	0.1	253
20250601_0643	0.1	305
20250601_0653	0.1	264
20250601_0703	0.1	339
20250601_0713	0.1	301
20250601_0723	0.1	307
20250601_0733	0.1	283
20250601_0743	0.1	181
20250601_0753	0.1	266
20250601_0803	0.1	1
20250601_0813	0.1	107
20250601_0823	1.1	64
20250601_0833	0.1	50
20250601_0843	0.3	44
20250601_0853	1.9	146
20250601_0903	0.3	38
20250601_0913	3.5	161
20250601_0923	2.1	168
20250601_0933	1.5	60
20250601_0943	1.4	169
20250601_0953	1.6	60
20250601_1003	1.0	323
20250601_1013	0.2	340
20250601_1023	0.4	4
20250601_1033	0.4	342
20250601_1043	0.1	353
20250601_1053	0.4	4
20250601_1103	1.0	55
20250601_1113	0.3	280
20250601_1123	0.1	27
20250601_1133	0.1	34
20250601_1143	1.8	331
20250601_1153	0.2	102

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250601_1203	0.2	311
20250601_1213	0.1	38
20250601_1223	0.4	138
20250601_1233	0.1	47
20250601_1243	0.3	30
20250601_1253	0.8	87
20250601_1303	0.1	329
20250601_1313	0.9	12
20250601_1323	0.1	320
20250601_1333	1.6	155
20250601_1343	0.2	21
20250601_1353	0.9	105
20250601_1403	1.0	339
20250601_1413	0.1	200
20250601_1423	0.3	63
20250601_1433	0.5	183
20250601_1443	1.2	58
20250601_1453	1.5	147
20250601_1503	0.1	34
20250601_1513	2.0	139
20250601_1523	0.1	343
20250601_1533	4.3	132
20250601_1543	0.3	122
20250601_1553	2.5	91
20250601_1603	4.3	107
20250601_1613	0.4	60
20250601_1623	4.2	55
20250601_1633	1.6	7
20250601_1643	1.4	16
20250601_1653	0.1	319
20250601_1703	0.2	72
20250601_1713	0.3	95
20250601_1723	1.9	128
20250601_1733	0.5	162
20250601_1743	0.5	125
20250601_1753	1.0	119
20250601_1803	1.4	138
20250601_1813	0.1	0
20250601_1823	0.1	63
20250601_1833	0.6	158
20250601_1843	1.1	152
20250601_1853	2.6	171
20250601_1903	0.1	125
20250601_1913	0.2	106
20250601_1923	0.1	107
20250601_1933	0.1	47
20250601_1943	1.2	84
20250601_1953	0.1	116
20250601_2003	0.1	54
20250601_2013	0.8	345
20250601_2023	0.1	349
20250601_2033	0.1	109
20250601_2043	0.1	100
20250601_2053	0.3	68
20250601_2103	0.8	42
20250601_2113	0.1	131
20250601_2123	0.1	131
20250601_2133	0.1	89
20250601_2143	0.1	76
20250601_2153	0.1	87
20250601_2203	0.1	93
20250601_2213	0.1	131
20250601_2223	0.3	107
20250601_2233	0.1	136
20250601_2243	0.1	61
20250601_2253	0.1	46
20250601_2303	0.1	52
20250601_2313	0.1	129
20250601_2323	0.1	178
20250601_2333	0.1	123
20250601_2343	0.1	28
20250601_2353	0.1	36

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250602_0003	0.1	42
20250602_0013	0.1	57
20250602_0023	0.1	185
20250602_0033	0.1	336
20250602_0043	0.1	88
20250602_0053	0.1	40
20250602_0103	0.1	190
20250602_0113	0.1	48
20250602_0123	0.1	84
20250602_0133	0.1	199
20250602_0143	0.1	29
20250602_0153	0.1	347
20250602_0203	0.1	3
20250602_0213	0.1	272
20250602_0223	0.1	24
20250602_0233	0.1	105
20250602_0243	0.1	334
20250602_0253	0.1	272
20250602_0303	0.1	156
20250602_0313	0.1	69
20250602_0323	0.1	36
20250602_0333	0.1	4
20250602_0343	0.1	64
20250602_0353	0.1	88
20250602_0403	0.1	41
20250602_0413	0.1	33
20250602_0423	0.1	304
20250602_0433	0.1	51
20250602_0443	0.1	66
20250602_0453	0.1	138
20250602_0503	0.1	32
20250602_0513	0.1	348
20250602_0523	0.1	96
20250602_0533	0.1	40
20250602_0543	0.1	116
20250602_0553	0.1	111
20250602_0603	0.1	70
20250602_0613	0.1	131
20250602_0623	0.1	131
20250602_0633	0.1	163
20250602_0643	0.1	160
20250602_0653	0.1	171
20250602_0703	0.1	152
20250602_0713	0.1	244
20250602_0723	0.1	136
20250602_0733	0.1	180
20250602_0743	0.1	178
20250602_0753	0.1	103
20250602_0803	0.1	130
20250602_0813	0.2	145
20250602_0823	0.1	118
20250602_0833	0.1	152
20250602_0843	0.1	66
20250602_0853	0.3	147
20250602_0903	0.1	291
20250602_0913	0.1	165
20250602_0923	0.1	245
20250602_0933	0.3	254
20250602_0943	0.1	220
20250602_0953	1.1	104
20250602_1003	0.8	249
20250602_1013	0.7	254
20250602_1023	0.1	236
20250602_1033	0.5	240
20250602_1043	0.1	338
20250602_1053	0.1	293
20250602_1103	0.1	175
20250602_1113	0.2	248
20250602_1123	0.1	218
20250602_1133	2.5	144
20250602_1143	0.1	170
20250602_1153	0.1	187

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250602_1203	0.1	210
20250602_1213	1.1	202
20250602_1223	0.3	132
20250602_1233	0.1	214
20250602_1243	1	242
20250602_1253	0.1	186
20250602_1303	0.1	23
20250602_1313	1.8	303
20250602_1323	0.1	158
20250602_1333	0.8	148
20250602_1343	0.1	256
20250602_1353	3.4	143
20250602_1403	0.2	216
20250602_1413	0.4	80
20250602_1423	0.2	322
20250602_1433	0.2	282
20250602_1443	0.1	34
20250602_1453	0.1	278
20250602_1503	0.1	250
20250602_1513	1.3	145
20250602_1523	0.1	155
20250602_1533	0.1	78
20250602_1543	0.2	178
20250602_1553	0.1	94
20250602_1603	0.1	134
20250602_1613	0.1	172
20250602_1623	0.2	258
20250602_1633	0.1	138
20250602_1643	1.4	130
20250602_1653	0.1	112
20250602_1703	0.1	230
20250602_1713	0.1	36
20250602_1723	0.3	173
20250602_1733	0.1	108
20250602_1743	0.1	173
20250602_1753	0.6	144
20250602_1803	0.4	212
20250602_1813	0.1	266
20250602_1823	0.1	137
20250602_1833	0.2	160
20250602_1843	0.1	234
20250602_1853	0.1	121
20250602_1903	0.1	137
20250602_1913	0.1	130
20250602_1923	0.1	130
20250602_1933	0.1	98
20250602_1943	0.1	98
20250602_1953	0.1	2
20250602_2003	0.1	22
20250602_2013	0.1	114
20250602_2023	0.1	232
20250602_2033	0.1	88
20250602_2043	0.1	155
20250602_2053	0.1	99
20250602_2103	0.1	182
20250602_2113	0.1	39
20250602_2123	0.2	132
20250602_2133	0.1	56
20250602_2143	0.1	126
20250602_2153	0.1	50
20250602_2203	0.1	34
20250602_2213	0.1	332
20250602_2223	0.1	91
20250602_2233	0.1	26
20250602_2243	0.1	282
20250602_2253	0.1	102
20250602_2303	0.1	158
20250602_2313	0.1	111
20250602_2323	0.1	164
20250602_2333	0.1	74
20250602_2343	0.1	4
20250602_2353	0.1	69

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250603_0003	0.1	56
20250603_0013	0.1	340
20250603_0023	0.1	336
20250603_0033	0.1	343
20250603_0043	0.1	32
20250603_0053	0.1	95
20250603_0103	0.1	58
20250603_0113	0.1	352
20250603_0123	0.1	208
20250603_0133	0.5	143
20250603_0143	0.1	93
20250603_0153	0.1	55
20250603_0203	0.1	24
20250603_0213	0.1	61
20250603_0223	0.1	35
20250603_0233	0.1	145
20250603_0243	0.1	335
20250603_0253	0.1	108
20250603_0303	0.1	59
20250603_0313	0.1	53
20250603_0323	0.1	347
20250603_0333	0.1	99
20250603_0343	0.1	99
20250603_0353	0.1	99
20250603_0403	0.1	63
20250603_0413	0.1	33
20250603_0423	0.1	64
20250603_0433	0.1	6
20250603_0443	0.1	37
20250603_0453	0.1	54
20250603_0503	0.1	108
20250603_0513	0.1	64
20250603_0523	0.1	346
20250603_0533	0.1	70
20250603_0543	0.1	70
20250603_0553	0.1	95
20250603_0603	0.1	149
20250603_0613	0.1	136
20250603_0623	0.1	175
20250603_0633	0.1	161
20250603_0643	0.1	100
20250603_0653	0.1	307
20250603_0703	0.3	20
20250603_0713	1.3	86
20250603_0723	0.3	273
20250603_0733	0.2	152
20250603_0743	0.1	135
20250603_0753	0.1	147
20250603_0803	0.1	136
20250603_0813	0.1	130
20250603_0823	0.4	89
20250603_0833	0.2	141
20250603_0843	0.7	140
20250603_0853	0.1	147
20250603_0903	0.5	136
20250603_0913	0.2	128
20250603_0923	0.2	87
20250603_0933	0.9	151
20250603_0943	1.1	123
20250603_0953	1.3	168
20250603_1003	0.1	122
20250603_1013	0.1	182
20250603_1023	0.6	152
20250603_1033	0.2	130
20250603_1043	0.2	88
20250603_1053	0.2	157
20250603_1103	0.3	134
20250603_1113	0.1	104
20250603_1123	0.2	153
20250603_1133	0.2	146
20250603_1143	0.1	223
20250603_1153	0.4	143

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250603_1203	0.1	39
20250603_1213	0.1	312
20250603_1223	0.9	268
20250603_1233	0.1	316
20250603_1243	0.1	20
20250603_1253	0.1	78
20250603_1303	0.8	338
20250603_1313	0.9	95
20250603_1323	0.9	70
20250603_1333	0.1	31
20250603_1343	0.2	84
20250603_1353	0.2	127
20250603_1403	0.3	146
20250603_1413	0.1	160
20250603_1423	0.9	145
20250603_1433	0.1	291
20250603_1443	0.5	10
20250603_1453	0.1	67
20250603_1503	0.2	298
20250603_1513	0.1	288
20250603_1523	0.1	310
20250603_1533	0.1	62
20250603_1543	0.1	150
20250603_1553	1	109
20250603_1603	0.1	241
20250603_1613	0.1	113
20250603_1623	0.2	184
20250603_1633	0.1	78
20250603_1643	0.1	31
20250603_1653	0.3	64
20250603_1703	0.1	219
20250603_1713	0.1	65
20250603_1723	0.1	16
20250603_1733	0.1	313
20250603_1743	0.1	47
20250603_1753	0.6	336
20250603_1803	0.1	348
20250603_1813	0.1	60
20250603_1823	0.1	30
20250603_1833	0.1	51
20250603_1843	0.3	349
20250603_1853	0.1	328
20250603_1903	0.1	298
20250603_1913	0.1	295
20250603_1923	0.1	273
20250603_1933	0.1	79
20250603_1943	0.1	99
20250603_1953	0.1	349
20250603_2003	0.1	335
20250603_2013	0.1	33
20250603_2023	0.1	330
20250603_2033	0.1	306
20250603_2043	0.1	331
20250603_2053	0.1	122
20250603_2103	0.1	120
20250603_2113	0.1	34
20250603_2123	0.1	65
20250603_2133	0.1	345
20250603_2143	0.1	121
20250603_2153	0.1	84
20250603_2203	0.1	112
20250603_2213	0.1	0
20250603_2223	0.1	63
20250603_2233	0.1	63
20250603_2243	0.1	145
20250603_2253	0.1	145
20250603_2303	0.1	142
20250603_2313	0.1	142
20250603_2323	0.1	28
20250603_2333	0.1	132
20250603_2343	0.1	318
20250603_2353	0.1	163

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250604_0003	0.1	141
20250604_0013	0.1	334
20250604_0023	0.1	66
20250604_0033	0.1	141
20250604_0043	0.1	321
20250604_0053	0.1	153
20250604_0103	0.1	150
20250604_0113	0.1	70
20250604_0123	0.1	126
20250604_0133	0.2	132
20250604_0143	0.1	29
20250604_0153	0.1	50
20250604_0203	0.1	109
20250604_0213	0.1	130
20250604_0223	1.1	167
20250604_0233	0.1	127
20250604_0243	0.1	184
20250604_0253	0.1	62
20250604_0303	0.1	114
20250604_0313	0.5	350
20250604_0323	0.2	334
20250604_0333	0.3	341
20250604_0343	0.1	335
20250604_0353	0.1	179
20250604_0403	0.1	258
20250604_0413	0.1	138
20250604_0423	0.1	138
20250604_0433	0.1	164
20250604_0443	0.1	296
20250604_0453	0.1	98
20250604_0503	0.1	63
20250604_0513	0.1	314
20250604_0523	0.1	148
20250604_0533	0.1	248
20250604_0543	0.1	200
20250604_0553	0.1	189
20250604_0603	0.1	249
20250604_0613	0.1	156
20250604_0623	0.1	332
20250604_0633	0.1	83
20250604_0643	0.1	148
20250604_0653	0.1	147
20250604_0703	0.1	148
20250604_0713	0.1	148
20250604_0723	0.1	148
20250604_0733	0.1	220
20250604_0743	0.1	144
20250604_0753	0.1	134
20250604_0803	0.1	138
20250604_0813	0.1	211
20250604_0823	0.1	141
20250604_0833	0.1	159
20250604_0843	0.1	276
20250604_0853	0.1	250
20250604_0903	0.1	331
20250604_0913	0.3	324
20250604_0923	0.1	133
20250604_0933	0.1	296
20250604_0943	0.5	295
20250604_0953	0.2	305
20250604_1003	0.1	245
20250604_1013	0.3	335
20250604_1023	0.4	107
20250604_1033	3.6	55
20250604_1043	2.4	123
20250604_1053	0.9	155
20250604_1103	0.1	111
20250604_1113	0.1	40
20250604_1123	0.1	58
20250604_1133	0.1	336
20250604_1143	0.3	120
20250604_1153	0.1	335

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250604_1203	0.1	67
20250604_1213	0.3	27
20250604_1223	0.1	12
20250604_1233	1	2
20250604_1243	0.1	23
20250604_1253	0.9	0
20250604_1303	0.2	57
20250604_1313	0.1	34
20250604_1323	0.1	45
20250604_1333	0.2	354
20250604_1343	0.3	22
20250604_1353	0.1	4
20250604_1403	0.2	48
20250604_1413	0.1	120
20250604_1423	0.1	85
20250604_1433	0.2	71
20250604_1443	0.3	61
20250604_1453	0.1	18
20250604_1503	0.1	61
20250604_1513	0.1	349
20250604_1523	0.1	24
20250604_1533	0.1	346
20250604_1543	0.1	73
20250604_1553	0.1	152
20250604_1603	0.1	121
20250604_1613	0.1	137
20250604_1623	0.1	149
20250604_1633	0.1	32
20250604_1643	0.1	264
20250604_1653	0.1	144
20250604_1703	0.1	163
20250604_1713	0.1	112
20250604_1723	0.1	231
20250604_1733	0.1	221
20250604_1743	0.1	270
20250604_1753	0.1	250
20250604_1803	0.1	309
20250604_1813	0.1	183
20250604_1823	0.1	111
20250604_1833	0.1	145
20250604_1843	0.1	142
20250604_1853	0.1	143
20250604_1903	0.1	139
20250604_1913	0.3	120
20250604_1923	0.1	138
20250604_1933	0.1	140
20250604_1943	0.1	256
20250604_1953	0.1	153
20250604_2003	0.1	209
20250604_2013	0.6	39
20250604_2023	1.5	43
20250604_2033	0.1	344
20250604_2043	0.1	351
20250604_2053	0.2	31
20250604_2103	0.7	322
20250604_2113	0.1	53
20250604_2123	0.2	74
20250604_2133	1.4	41
20250604_2143	0.1	59
20250604_2153	0.3	46
20250604_2203	3.8	49
20250604_2213	0.1	348
20250604_2223	0.1	178
20250604_2233	0.1	340
20250604_2243	0.1	350
20250604_2253	0.1	350
20250604_2303	0.1	42
20250604_2313	0.1	28
20250604_2323	0.1	303
20250604_2333	0.1	99
20250604_2343	0.2	105
20250604_2353	1.2	18

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250605_0003	0.3	69
20250605_0013	0.3	120
20250605_0023	1.1	353
20250605_0033	7.5	32
20250605_0043	3.2	36
20250605_0053	1.2	20
20250605_0103	0.4	59
20250605_0113	0.8	66
20250605_0123	0.1	54
20250605_0133	0.1	341
20250605_0143	1.7	352
20250605_0153	1.4	37
20250605_0203	1.2	348
20250605_0213	2.9	86
20250605_0223	4.1	49
20250605_0233	3.3	346
20250605_0243	2.7	29
20250605_0253	1.9	31
20250605_0303	1.8	17
20250605_0313	2.1	348
20250605_0323	3.4	10
20250605_0333	0.4	72
20250605_0343	0.2	164
20250605_0353	0.3	328
20250605_0403	0.1	56
20250605_0413	0.8	129
20250605_0423	0.1	81
20250605_0433	0.1	103
20250605_0443	0.1	62
20250605_0453	0.4	44
20250605_0503	0.1	61
20250605_0513	0.1	328
20250605_0523	0.3	51
20250605_0533	0.1	37
20250605_0543	0.1	95
20250605_0553	0.1	277
20250605_0603	0.1	161
20250605_0613	0.1	337
20250605_0623	0.1	94
20250605_0633	0.1	82
20250605_0643	0.1	23
20250605_0653	0.1	121
20250605_0703	0.1	112
20250605_0713	0.1	105
20250605_0723	0.1	241
20250605_0733	0.1	164
20250605_0743	0.1	343
20250605_0753	0.1	110
20250605_0803	0.1	141
20250605_0813	0.1	11
20250605_0823	0.1	100
20250605_0833	0.1	147
20250605_0843	0.1	115
20250605_0853	0.1	142
20250605_0903	0.1	16
20250605_0913	0.9	333
20250605_0923	0.2	70
20250605_0933	1.4	326
20250605_0943	0.2	337
20250605_0953	1	350
20250605_1003	0.7	29
20250605_1013	0.8	339
20250605_1023	0.4	5
20250605_1033	1	339
20250605_1043	1.3	344
20250605_1053	0.1	328
20250605_1103	0.1	190
20250605_1113	1.3	94
20250605_1123	0.1	70
20250605_1133	0.2	309
20250605_1143	0.1	118
20250605_1153	0.2	143

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250605_1203	0.1	134
20250605_1213	0.4	22
20250605_1223	0.4	155
20250605_1233	1.6	114
20250605_1243	0.1	40
20250605_1253	0.1	118
20250605_1303	0.1	163
20250605_1313	0.1	96
20250605_1323	0.5	181
20250605_1333	0.1	61
20250605_1343	0.8	78
20250605_1353	0.4	162
20250605_1403	1.8	108
20250605_1413	2.1	153
20250605_1423	1	174
20250605_1433	0.1	241
20250605_1443	0.7	133
20250605_1453	0.1	197
20250605_1503	0.1	153
20250605_1513	0.2	145
20250605_1523	1.1	116
20250605_1533	0.1	181
20250605_1543	0.2	103
20250605_1553	0.2	106
20250605_1603	0.1	116
20250605_1613	0.4	99
20250605_1623	0.3	158
20250605_1633	0.3	144
20250605_1643	0.1	42
20250605_1653	0.5	104
20250605_1703	0.3	179
20250605_1713	0.1	101
20250605_1723	0.1	329
20250605_1733	0.3	37
20250605_1743	0.1	120
20250605_1753	1.9	123
20250605_1803	0.1	82
20250605_1813	0.1	5
20250605_1823	0.7	-1
20250605_1833	0.3	42
20250605_1843	1.3	9
20250605_1853	1.1	341
20250605_1903	0.2	309
20250605_1913	2	19
20250605_1923	0.3	327
20250605_1933	0.2	297
20250605_1943	0.7	343
20250605_1953	0.3	328
20250605_2003	0.2	348
20250605_2013	3.2	0
20250605_2023	0.9	342
20250605_2033	0.7	309
20250605_2043	0.1	334
20250605_2053	1.7	8
20250605_2103	1.1	345
20250605_2113	0.2	4
20250605_2123	5.7	331
20250605_2133	0.4	5
20250605_2143	1.2	55
20250605_2153	3.5	334
20250605_2203	0.3	33
20250605_2213	0.9	334
20250605_2223	0.3	28
20250605_2233	0.1	13
20250605_2243	0.1	74
20250605_2253	0.1	0
20250605_2303	0.1	8
20250605_2313	1	352
20250605_2323	0.1	281
20250605_2333	0.1	41
20250605_2343	0.1	311
20250605_2353	0.1	60

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250606_0003	1	71
20250606_0013	1.7	6
20250606_0023	0.4	89
20250606_0033	0.4	345
20250606_0043	0.4	351
20250606_0053	1.1	349
20250606_0103	0.5	25
20250606_0113	0.2	69
20250606_0123	1.2	46
20250606_0133	0.1	56
20250606_0143	0.7	341
20250606_0153	0.1	10
20250606_0203	0.1	48
20250606_0213	0.9	9
20250606_0223	0.3	54
20250606_0233	0.6	340
20250606_0243	0.8	8
20250606_0253	0.1	139
20250606_0303	0.7	165
20250606_0313	0.2	45
20250606_0323	0.3	89
20250606_0333	0.1	41
20250606_0343	0.1	129
20250606_0353	0.3	90
20250606_0403	0.1	108
20250606_0413	0.1	125
20250606_0423	0.1	134
20250606_0433	0.6	25
20250606_0443	0.1	34
20250606_0453	0.1	15
20250606_0503	0.1	135
20250606_0513	0.1	113
20250606_0523	0.1	279
20250606_0533	0.1	332
20250606_0543	0.1	312
20250606_0553	0.1	138
20250606_0603	0.1	34
20250606_0613	0.1	295
20250606_0623	0.1	335
20250606_0633	0.1	133
20250606_0643	0.1	328
20250606_0653	0.2	352
20250606_0703	0.1	155
20250606_0713	0.1	151
20250606_0723	0.1	152
20250606_0733	0.1	339
20250606_0743	0.6	61
20250606_0753	1.5	341
20250606_0803	0.1	150
20250606_0813	0.1	213
20250606_0823	0.1	77
20250606_0833	0.1	23
20250606_0843	0.2	148
20250606_0853	0.3	113
20250606_0903	0.1	285
20250606_0913	0.1	75
20250606_0923	0.1	93
20250606_0933	0.9	125
20250606_0943	0.1	301
20250606_0953	0.1	60
20250606_1003	0.1	290
20250606_1013	0.4	331
20250606_1023	1	130
20250606_1033	0.3	179
20250606_1043	0.1	94
20250606_1053	0.1	66
20250606_1103	0.2	155
20250606_1113	0.1	106
20250606_1123	0.1	162
20250606_1133	0.1	184
20250606_1143	0.1	80
20250606_1153	0.1	222

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250606_1203	0.1	103
20250606_1213	0.1	126
20250606_1223	0.1	147
20250606_1233	0.2	99
20250606_1243	1.1	133
20250606_1253	0.1	92
20250606_1303	0.1	78
20250606_1313	0.7	138
20250606_1323	1.6	118
20250606_1333	0.1	161
20250606_1343	0.2	92
20250606_1353	0.2	151
20250606_1403	0.1	41
20250606_1413	0.1	282
20250606_1423	0.1	238
20250606_1433	0.7	56
20250606_1443	0.1	25
20250606_1453	0.3	14
20250606_1503	0.4	84
20250606_1513	0.6	153
20250606_1523	0.1	56
20250606_1533	1	122
20250606_1543	0.9	113
20250606_1553	1.9	94
20250606_1603	3.1	110
20250606_1613	3.2	45
20250606_1623	0.1	180
20250606_1633	0.1	189
20250606_1643	0.2	70
20250606_1653	0.4	118
20250606_1703	0.5	165
20250606_1713	0.1	49
20250606_1723	0.1	8
20250606_1733	0.4	53
20250606_1743	0.1	54
20250606_1753	0.1	316
20250606_1803	0.7	9
20250606_1813	0.6	43
20250606_1823	0.2	7
20250606_1833	0.1	44
20250606_1843	0.2	48
20250606_1853	0.2	52
20250606_1903	1.6	100
20250606_1913	0.1	152
20250606_1923	0.1	127
20250606_1933	1.6	52
20250606_1943	0.4	44
20250606_1953	0.5	37
20250606_2003	0.1	102
20250606_2013	0.1	77
20250606_2023	0.1	151
20250606_2033	0.1	340
20250606_2043	0.1	74
20250606_2053	0.8	78
20250606_2103	0.1	134
20250606_2113	0.1	120
20250606_2123	0.1	123
20250606_2133	0.1	79
20250606_2143	0.1	78
20250606_2153	1.3	117
20250606_2203	0.5	113
20250606_2213	0.4	138
20250606_2223	0.3	58
20250606_2233	0.3	117
20250606_2243	0.1	65
20250606_2253	0.1	123
20250606_2303	0.1	148
20250606_2313	0.1	1
20250606_2323	0.1	186
20250606_2333	0.1	100
20250606_2343	0.1	99
20250606_2353	0.6	75

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250607_0003	0.1	170
20250607_0013	0.1	39
20250607_0023	0.1	106
20250607_0033	0.1	56
20250607_0043	0.1	166
20250607_0053	0.1	160
20250607_0103	0.1	65
20250607_0113	0.1	52
20250607_0123	0.1	43
20250607_0133	0.1	43
20250607_0143	0.1	143
20250607_0153	0.1	82
20250607_0203	0.1	96
20250607_0213	0.1	295
20250607_0223	0.1	20
20250607_0233	0.1	352
20250607_0243	0.1	351
20250607_0253	0.1	171
20250607_0303	0.1	57
20250607_0313	0.1	84
20250607_0323	0.1	63
20250607_0333	0.1	63
20250607_0343	0.1	63
20250607_0353	0.1	63
20250607_0403	0.1	336
20250607_0413	0.1	53
20250607_0423	0.1	32
20250607_0433	0.1	57
20250607_0443	0.1	157
20250607_0453	0.1	62
20250607_0503	0.1	196
20250607_0513	0.1	60
20250607_0523	0.1	282
20250607_0533	0.1	348
20250607_0543	0.1	25
20250607_0553	0.1	226
20250607_0603	0.1	155
20250607_0613	0.1	155
20250607_0623	0.1	155
20250607_0633	0.1	155
20250607_0643	0.1	155
20250607_0653	0.1	155
20250607_0703	0.1	155
20250607_0713	0.1	122
20250607_0723	0.1	127
20250607_0733	0.1	262
20250607_0743	0.5	134
20250607_0753	0.3	129
20250607_0803	0.1	146
20250607_0813	0.1	93
20250607_0823	0.1	221
20250607_0833	0.1	33
20250607_0843	0.1	134
20250607_0853	0.1	194
20250607_0903	0.1	209
20250607_0913	0.4	142
20250607_0923	0.1	186
20250607_0933	0.6	179
20250607_0943	0.1	183
20250607_0953	0.1	233
20250607_1003	0.8	131
20250607_1013	0.1	137
20250607_1023	0.8	139
20250607_1033	0.1	212
20250607_1043	0.3	144
20250607_1053	0.1	179
20250607_1103	0.1	255
20250607_1113	2.5	143
20250607_1123	0.1	277
20250607_1133	0.1	310
20250607_1143	0.4	310
20250607_1153	0.1	227

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250607_1203	0.8	141
20250607_1213	0.2	141
20250607_1223	1.9	147
20250607_1233	1.1	10
20250607_1243	0.1	113
20250607_1253	0.1	149
20250607_1303	0.1	187
20250607_1313	0.4	160
20250607_1323	0.1	77
20250607_1333	0.1	318
20250607_1343	0.3	150.5
20250607_1353	0.7	75.3
20250607_1403	0.1	31.1
20250607_1413	1.3	144.3
20250607_1423	0.1	149.7
20250607_1433	0.1	62
20250607_1443	0.1	154
20250607_1453	0.8	53
20250607_1503	0.4	137
20250607_1513	0.1	43
20250607_1523	0.1	110
20250607_1533	0.9	81
20250607_1543	1.5	184
20250607_1553	0.3	68
20250607_1603	0.1	95
20250607_1613	0.2	196
20250607_1623	0.1	66
20250607_1633	1.2	128
20250607_1643	0.1	265
20250607_1653	0.4	165
20250607_1703	0.1	261
20250607_1713	0.2	124
20250607_1723	0.1	49
20250607_1733	0.1	326
20250607_1743	0.5	330
20250607_1753	0.1	135
20250607_1803	0.1	64
20250607_1813	0.1	22
20250607_1823	0.9	167
20250607_1833	0.4	108
20250607_1843	0.1	128
20250607_1853	0.1	155
20250607_1903	0.1	293
20250607_1913	0.1	264
20250607_1923	0.1	143
20250607_1933	1	189
20250607_1943	0.1	178
20250607_1953	0.1	136
20250607_2003	0.1	98
20250607_2013	0.1	48
20250607_2023	0.2	188
20250607_2033	0.1	95
20250607_2043	0.1	109
20250607_2053	0.1	83
20250607_2103	0.1	101
20250607_2113	0.1	45
20250607_2123	0.1	70
20250607_2133	0.1	69
20250607_2143	0.1	105
20250607_2153	0.1	142
20250607_2203	0.1	99
20250607_2213	0.1	141
20250607_2223	0.1	330
20250607_2233	0.1	84
20250607_2243	0.1	94
20250607_2253	0.1	123
20250607_2303	0.2	101
20250607_2313	0.1	86
20250607_2323	0.1	311
20250607_2333	0.1	56
20250607_2343	0.1	33
20250607_2353	0.1	20

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250608_0003	0.1	345
20250608_0013	0.1	152
20250608_0023	0.1	108
20250608_0033	0.1	10
20250608_0043	0.1	61
20250608_0053	0.1	16
20250608_0103	0.1	48
20250608_0113	0.1	66
20250608_0123	0.1	68
20250608_0133	0.1	344
20250608_0143	0.1	61
20250608_0153	0.1	353
20250608_0203	0.1	25
20250608_0213	0.1	55
20250608_0223	0.1	137
20250608_0233	0.1	153
20250608_0243	0.1	106
20250608_0253	0.1	106
20250608_0303	0.1	68
20250608_0313	0.1	87
20250608_0323	0.1	69
20250608_0333	0.1	78
20250608_0343	0.1	55
20250608_0353	0.1	37
20250608_0403	0.1	82
20250608_0413	0.1	108
20250608_0423	0.1	71
20250608_0433	0.1	64
20250608_0443	0.1	64
20250608_0453	0.1	0
20250608_0503	0.1	59
20250608_0513	0.1	196
20250608_0523	0.1	163
20250608_0533	0.1	142
20250608_0543	0.1	77
20250608_0553	0.1	0
20250608_0603	0.1	347
20250608_0613	0.1	31
20250608_0623	0.1	145
20250608_0633	0.1	123
20250608_0643	0.1	80
20250608_0653	0.1	144
20250608_0703	0.2	141
20250608_0713	0.1	175
20250608_0723	0.1	129
20250608_0733	0.1	145
20250608_0743	0.1	129
20250608_0753	0.4	113
20250608_0803	0.7	166
20250608_0813	1.1	147
20250608_0823	0.2	99
20250608_0833	0.1	132
20250608_0843	0.7	141
20250608_0853	0.1	191
20250608_0903	0.1	227
20250608_0913	0.1	324
20250608_0923	0.4	147
20250608_0933	0.1	241
20250608_0943	0.5	309
20250608_0953	0.1	277
20250608_1003	0.4	98
20250608_1013	1.1	158
20250608_1023	0.1	349
20250608_1033	1.2	266
20250608_1043	0.3	224
20250608_1053	0.1	338
20250608_1103	0.3	122
20250608_1113	0.2	245
20250608_1123	1	139
20250608_1133	0.6	141
20250608_1143	0.3	106
20250608_1153	0.8	107

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250608_1203	0.2	103
20250608_1213	0.1	126
20250608_1223	2	172
20250608_1233	0.6	122
20250608_1243	0.5	252
20250608_1253	0.2	240
20250608_1303	0.2	220
20250608_1313	0.1	212
20250608_1323	0.1	251
20250608_1333	0.2	135
20250608_1343	0.4	251
20250608_1353	0.5	84
20250608_1403	0.1	81
20250608_1413	0.2	4
20250608_1423	0.1	138
20250608_1433	0.5	92
20250608_1443	1	147
20250608_1453	0.1	222
20250608_1503	3	272
20250608_1513	0.1	127
20250608_1523	2.2	95
20250608_1533	0.7	176
20250608_1543	0.1	43
20250608_1553	1.5	63
20250608_1603	0.1	103
20250608_1613	0.9	147
20250608_1623	0.1	76
20250608_1633	0.6	199
20250608_1643	0.1	92
20250608_1653	0.1	28
20250608_1703	0.1	108
20250608_1713	0.1	70
20250608_1723	0.5	170
20250608_1733	0.8	65
20250608_1743	0.4	149
20250608_1753	0.1	84
20250608_1803	1	133
20250608_1813	1	100
20250608_1823	0.6	104
20250608_1833	0.1	69
20250608_1843	0.5	101
20250608_1853	0.2	114
20250608_1903	0.1	145
20250608_1913	0.1	23
20250608_1923	0.1	81
20250608_1933	0.1	307
20250608_1943	0.1	122
20250608_1953	0.1	119
20250608_2003	0.1	10
20250608_2013	0.1	77
20250608_2023	0.1	68
20250608_2033	0.1	127
20250608_2043	0.1	100
20250608_2053	0.1	80
20250608_2103	0.1	95
20250608_2113	0.1	194
20250608_2123	0.1	37
20250608_2133	0.1	315
20250608_2143	0.1	315
20250608_2153	0.1	48
20250608_2203	0.1	123
20250608_2213	0.1	167
20250608_2223	0.1	118
20250608_2233	0.1	87
20250608_2243	0.1	83
20250608_2253	0.1	83
20250608_2303	0.1	20
20250608_2313	0.1	69
20250608_2323	0.1	109
20250608_2333	0.1	109
20250608_2343	0.1	103
20250608_2353	0.1	72

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250609_0003	0.1	14
20250609_0013	0.1	224
20250609_0023	0.1	342
20250609_0033	0.1	95
20250609_0043	0.1	98
20250609_0053	0.1	48
20250609_0103	0.2	37
20250609_0113	0.1	72
20250609_0123	0.1	143
20250609_0133	0.1	144
20250609_0143	0.1	139
20250609_0153	0.1	92
20250609_0203	0.1	100
20250609_0213	0.1	47
20250609_0223	0.1	143
20250609_0233	0.1	113
20250609_0243	0.1	106
20250609_0253	0.1	316
20250609_0303	0.1	51
20250609_0313	0.1	29
20250609_0323	0.1	104
20250609_0333	0.1	83
20250609_0343	0.1	52
20250609_0353	0.1	17
20250609_0403	1.2	47
20250609_0413	0.1	57
20250609_0423	0.1	66
20250609_0433	0.1	116
20250609_0443	0.1	159
20250609_0453	0.1	159
20250609_0503	0.1	156
20250609_0513	0.1	116
20250609_0523	0.1	154
20250609_0533	0.1	110
20250609_0543	0.1	132
20250609_0553	0.1	222
20250609_0603	0.1	111
20250609_0613	0.1	110
20250609_0623	0.1	110
20250609_0633	0.1	120
20250609_0643	0.1	120
20250609_0653	0.1	324
20250609_0703	0.1	152
20250609_0713	0.1	98
20250609_0723	0.1	156
20250609_0733	0.1	135
20250609_0743	0.1	122
20250609_0753	0.1	101
20250609_0803	0.1	279
20250609_0813	0.4	148
20250609_0823	0.1	262
20250609_0833	0.1	11
20250609_0843	0.1	128
20250609_0853	0.1	288
20250609_0903	0.1	143
20250609_0913	0.1	263
20250609_0923	0.1	172
20250609_0933	0.1	241
20250609_0943	0.1	137
20250609_0953	0.8	124
20250609_1003	1.1	162
20250609_1013	0.1	257
20250609_1023	0.1	280
20250609_1033	0.1	271
20250609_1043	0.9	123
20250609_1053	0.2	117
20250609_1103	1.8	155
20250609_1113	0.1	59
20250609_1123	0.2	105
20250609_1133	0.1	231
20250609_1143	0.1	260
20250609_1153	0.4	141

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250609_1203	0.1	181
20250609_1213	0.9	97
20250609_1223	0.1	146
20250609_1233	0.8	7
20250609_1243	0.1	337
20250609_1253	0.1	125
20250609_1303	0.6	127
20250609_1313	1	69
20250609_1323	0.7	33
20250609_1333	0.3	115
20250609_1343	0.1	134
20250609_1353	0.2	94
20250609_1403	0.9	117
20250609_1413	0.1	5
20250609_1423	0.2	162
20250609_1433	0.2	148
20250609_1443	0.1	329
20250609_1453	0.1	104
20250609_1503	0.1	113
20250609_1513	0.1	155
20250609_1523	0.1	336
20250609_1533	0.9	115
20250609_1543	0.1	155
20250609_1553	0.3	233
20250609_1603	0.5	148
20250609_1613	0.1	316
20250609_1623	1	52
20250609_1633	1.5	325
20250609_1643	1	20
20250609_1653	0.1	61
20250609_1703	0.8	9
20250609_1713	1.5	342
20250609_1723	0.1	33
20250609_1733	0.1	129
20250609_1743	0.3	102
20250609_1753	0.2	134
20250609_1803	4.5	121
20250609_1813	1.8	151
20250609_1823	6	137
20250609_1833	0.4	136
20250609_1843	1.8	128
20250609_1853	1.4	121
20250609_1903	0.1	109
20250609_1913	0.1	38
20250609_1923	1	89
20250609_1933	1.1	28
20250609_1943	0.6	71
20250609_1953	0.4	114
20250609_2003	0.1	81
20250609_2013	0.1	56
20250609_2023	0.2	78
20250609_2033	0.4	82
20250609_2043	1.3	103
20250609_2053	1.4	191
20250609_2103	0.1	107
20250609_2113	0.1	111
20250609_2123	0.1	68
20250609_2133	0.1	317
20250609_2143	0.3	334
20250609_2153	0.1	17
20250609_2203	0.1	276
20250609_2213	0.1	325
20250609_2223	0.1	99
20250609_2233	0.1	110
20250609_2243	0.1	351
20250609_2253	0.1	300
20250609_2303	0.2	343
20250609_2313	0.2	335
20250609_2323	0.1	14
20250609_2333	0.1	103
20250609_2343	0.1	307
20250609_2353	0.4	352

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250610_0003	0.1	20
20250610_0013	0.1	150
20250610_0023	0.2	118
20250610_0033	0.1	323
20250610_0043	0.1	67
20250610_0053	0.1	320
20250610_0103	0.1	125
20250610_0113	0.1	123
20250610_0123	0.1	33
20250610_0133	0.1	103
20250610_0143	0.1	97
20250610_0153	0.1	111
20250610_0203	0.1	97
20250610_0213	0.1	138
20250610_0223	0.1	103
20250610_0233	0.1	104
20250610_0243	0.1	119
20250610_0253	0.1	92
20250610_0303	0.1	93
20250610_0313	0.1	113
20250610_0323	0.1	87
20250610_0333	0.1	117
20250610_0343	0.1	105
20250610_0353	0.1	92
20250610_0403	0.1	69
20250610_0413	0.1	4
20250610_0423	0.1	90
20250610_0433	0.1	161
20250610_0443	0.1	135
20250610_0453	0.1	86
20250610_0503	0.1	99
20250610_0513	0.1	94
20250610_0523	0.1	59
20250610_0533	0.1	114
20250610_0543	0.1	111
20250610_0553	0.1	141
20250610_0603	0.1	76
20250610_0613	0.1	156
20250610_0623	0.1	104
20250610_0633	0.1	112
20250610_0643	0.4	148
20250610_0653	0.1	130
20250610_0703	0.1	325
20250610_0713	0.1	137
20250610_0723	0.1	134
20250610_0733	0.1	249
20250610_0743	0.1	346
20250610_0753	1.5	148
20250610_0803	0.1	304
20250610_0813	0.2	145
20250610_0823	0.1	69
20250610_0833	0.3	33
20250610_0843	0.6	345
20250610_0853	0.1	11
20250610_0903	0.2	109
20250610_0913	0.1	101
20250610_0923	0.4	0
20250610_0933	0.3	338
20250610_0943	0.3	341
20250610_0953	0.4	320
20250610_1003	0.5	92
20250610_1013	0.9	96
20250610_1023	0.2	350
20250610_1033	0.1	-1
20250610_1043	0.7	221
20250610_1053	0.1	48
20250610_1103	0.3	102
20250610_1113	0.1	196
20250610_1123	3.7	142
20250610_1133	1.8	167
20250610_1143	0.8	69
20250610_1153	0.8	342

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250610_1203	1	23
20250610_1213	1.9	114
20250610_1223	0.7	47
20250610_1233	0.3	23
20250610_1243	1.5	302
20250610_1253	0.7	335
20250610_1303	2.7	341
20250610_1313	0.4	341
20250610_1323	2.3	32
20250610_1333	0.8	327
20250610_1343	0.1	318
20250610_1353	0.2	207
20250610_1403	0.1	64
20250610_1413	3	71
20250610_1423	0.4	6
20250610_1433	2.2	327
20250610_1443	0.3	272
20250610_1453	1.4	119
20250610_1503	0.9	86
20250610_1513	0.1	36
20250610_1523	2.5	71
20250610_1533	0.6	7
20250610_1543	0.4	320
20250610_1553	1	174
20250610_1603	3.6	351
20250610_1613	1.6	4
20250610_1623	1	16
20250610_1633	0.7	49
20250610_1643	1.7	40
20250610_1653	0.1	233
20250610_1703	0.2	6
20250610_1713	0.7	50
20250610_1723	2.6	107
20250610_1733	0.7	338
20250610_1743	3.4	345
20250610_1753	2.2	310
20250610_1803	1.5	39
20250610_1813	1.5	62
20250610_1823	0.1	247
20250610_1833	0.1	73
20250610_1843	0.6	61
20250610_1853	0.4	84
20250610_1903	0.4	338
20250610_1913	0.2	327
20250610_1923	0.1	53
20250610_1933	0.6	16
20250610_1943	0.1	51
20250610_1953	0.8	0
20250610_2003	0.1	137
20250610_2013	0.5	5
20250610_2023	0.2	314
20250610_2033	0.2	28
20250610_2043	0.2	115
20250610_2053	0.5	70
20250610_2103	5.1	37
20250610_2113	2.1	57
20250610_2123	2.2	65
20250610_2133	0.1	60
20250610_2143	1.7	38
20250610_2153	0.1	48
20250610_2203	0.1	38
20250610_2213	2.4	332
20250610_2223	0.4	71
20250610_2233	1.4	166
20250610_2243	0.2	42
20250610_2253	2.1	348
20250610_2303	1.6	34
20250610_2313	3.1	350
20250610_2323	0.2	73
20250610_2333	0.7	11
20250610_2343	1.5	323
20250610_2353	0.3	337

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250611_0003	2.7	21
20250611_0013	0.6	70
20250611_0023	0.6	16
20250611_0033	1.3	352
20250611_0043	0.1	116
20250611_0053	1.8	348
20250611_0103	0.5	53
20250611_0113	0.2	122
20250611_0123	0.3	341
20250611_0133	1.1	22
20250611_0143	1.8	89
20250611_0153	0.4	7
20250611_0203	0.1	111
20250611_0213	1.3	29
20250611_0223	0.4	12
20250611_0233	0.1	88
20250611_0243	1	28
20250611_0253	0.1	0
20250611_0303	0.3	333
20250611_0313	0.2	350
20250611_0323	0.3	93
20250611_0333	0.5	45
20250611_0343	0.1	72
20250611_0353	0.1	295
20250611_0403	2.1	330
20250611_0413	0.6	342
20250611_0423	0.1	2
20250611_0433	0.2	107
20250611_0443	0.3	104
20250611_0453	0.1	300
20250611_0503	0.4	18
20250611_0513	0.9	342
20250611_0523	0.6	40
20250611_0533	0.3	5
20250611_0543	0.1	38
20250611_0553	0.6	153
20250611_0603	0.4	79
20250611_0613	0.2	63
20250611_0623	0.3	29
20250611_0633	0.1	90
20250611_0643	0.1	247
20250611_0653	0.1	307
20250611_0703	0.1	99
20250611_0713	0.6	16
20250611_0723	0.1	339
20250611_0733	1.4	339
20250611_0743	5.3	343
20250611_0753	0.1	280
20250611_0803	0.1	118
20250611_0813	2.8	347
20250611_0823	0.2	7
20250611_0833	3.7	123
20250611_0843	0.3	351
20250611_0853	0.6	345
20250611_0903	0.1	53
20250611_0913	2	18
20250611_0923	0.2	38
20250611_0933	1.9	11
20250611_0943	0.1	324
20250611_0953	2.2	35
20250611_1003	0.2	62
20250611_1013	0.2	80
20250611_1023	0.7	2
20250611_1033	1.8	346
20250611_1043	0.4	166
20250611_1053	0.1	63
20250611_1103	1.9	3
20250611_1113	0.4	84
20250611_1123	2.6	7
20250611_1133	0.3	294
20250611_1143	1.1	61
20250611_1153	4.7	14

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250611_1203	2	55
20250611_1213	1.5	54
20250611_1223	2.7	114
20250611_1233	3.7	328
20250611_1243	3.2	334
20250611_1253	2.2	34
20250611_1303	1.1	62
20250611_1313	0.3	6
20250611_1323	0.9	3
20250611_1333	0.3	36
20250611_1343	1.9	331
20250611_1353	0.1	294
20250611_1403	0.1	336
20250611_1413	5.1	341
20250611_1423	1	345
20250611_1433	0.1	13
20250611_1443	0.9	347
20250611_1453	0.1	151
20250611_1503	0.3	267
20250611_1513	0.1	99
20250611_1523	1	2
20250611_1533	1	322
20250611_1543	8.7	0
20250611_1553	0.1	265
20250611_1603	0.9	318
20250611_1613	0.1	59
20250611_1623	1.2	48
20250611_1633	1	336
20250611_1643	0.9	48
20250611_1653	2.2	277
20250611_1703	0.2	36
20250611_1713	0.5	47
20250611_1723	0.9	296
20250611_1733	0.7	15
20250611_1743	0.1	322
20250611_1753	0.1	75
20250611_1803	1.8	353
20250611_1813	0.6	318
20250611_1823	0.6	343
20250611_1833	0.1	21
20250611_1843	0.6	50
20250611_1853	1.6	46
20250611_1903	0.1	80
20250611_1913	0.2	5
20250611_1923	0.1	8
20250611_1933	0.1	84
20250611_1943	0.1	54
20250611_1953	0.1	80
20250611_2003	0.1	163
20250611_2013	0.1	94
20250611_2023	0.4	349
20250611_2033	0.1	341
20250611_2043	0.1	110
20250611_2053	0.5	129
20250611_2103	0.1	135
20250611_2113	1.1	10
20250611_2123	1.7	52
20250611_2133	0.1	32
20250611_2143	1	343
20250611_2153	0.3	349
20250611_2203	0.1	264
20250611_2213	0.7	22
20250611_2223	0.6	45
20250611_2233	0.1	152
20250611_2243	0.1	353
20250611_2253	3.9	325
20250611_2303	0.1	283
20250611_2313	0.3	2
20250611_2323	0.1	71
20250611_2333	0.4	82
20250611_2343	0.1	10
20250611_2353	0.1	322

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250612_0003	0.1	126
20250612_0013	1.9	16
20250612_0023	1.3	350
20250612_0033	5.9	306
20250612_0043	3.6	27
20250612_0053	8.7	31
20250612_0103	10.2	39
20250612_0113	8.8	31
20250612_0123	1	11
20250612_0133	0.5	137
20250612_0143	3	327
20250612_0153	0.8	37
20250612_0203	0.6	63
20250612_0213	0.1	39
20250612_0223	10.5	32
20250612_0233	2.4	77
20250612_0243	0.4	348
20250612_0253	1.3	13
20250612_0303	6.6	27
20250612_0313	1.6	319
20250612_0323	4.1	28
20250612_0333	5.5	31
20250612_0343	1.7	15
20250612_0353	0.3	24
20250612_0403	1.5	334
20250612_0413	0.8	29
20250612_0423	0.8	36
20250612_0433	0.3	214
20250612_0443	1.1	83
20250612_0453	0.1	341
20250612_0503	1.2	37
20250612_0513	0.8	347
20250612_0523	1.6	15
20250612_0533	1.7	325
20250612_0543	0.3	37
20250612_0553	8.2	35
20250612_0603	1	5
20250612_0613	4.8	14
20250612_0623	3.9	41
20250612_0633	0.1	71
20250612_0643	3.9	5
20250612_0653	2	32
20250612_0703	0.3	36
20250612_0713	10.7	28
20250612_0723	2	325
20250612_0733	5.3	36
20250612_0743	1.4	105
20250612_0753	1	350
20250612_0803	0.6	42
20250612_0813	0.7	93
20250612_0823	3	2
20250612_0833	0.4	6
20250612_0843	6	330
20250612_0853	0.7	344
20250612_0903	1	14
20250612_0913	1.4	68
20250612_0923	0.6	64
20250612_0933	1.1	345
20250612_0943	0.2	5
20250612_0953	0.4	318
20250612_1003	1.2	31
20250612_1013	0.2	21
20250612_1023	0.2	25
20250612_1033	0.4	153
20250612_1043	0.1	202
20250612_1053	0.1	136
20250612_1103	0.4	335
20250612_1113	0.5	138
20250612_1123	2	40
20250612_1133	5.3	35
20250612_1143	0.3	173
20250612_1153	3.6	15

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250612_1203	1.7	345
20250612_1213	0.2	303
20250612_1223	0.6	317
20250612_1233	2.9	2
20250612_1243	1.5	19
20250612_1253	0.6	73
20250612_1303	7.3	326
20250612_1313	0.1	12
20250612_1323	0.9	23
20250612_1333	3.6	340
20250612_1343	1	45
20250612_1353	0.9	22
20250612_1403	3.5	344
20250612_1413	4.4	29
20250612_1423	4.4	52
20250612_1433	1.8	54
20250612_1443	1.3	42
20250612_1453	1.1	293
20250612_1503	6.5	16
20250612_1513	5.1	3
20250612_1523	1.3	3
20250612_1533	0.5	98
20250612_1543	4.5	339
20250612_1553	2.3	213
20250612_1603	6.1	32
20250612_1613	0.1	37
20250612_1623	2.2	130
20250612_1633	1.4	29
20250612_1643	2.4	46
20250612_1653	0.2	76
20250612_1703	0.5	348
20250612_1713	0.1	348
20250612_1723	0.9	319
20250612_1733	4.1	315
20250612_1743	2.1	322
20250612_1753	1.3	336
20250612_1803	2.4	348
20250612_1813	1.3	27
20250612_1823	0.1	101
20250612_1833	0.1	25
20250612_1843	0.9	28
20250612_1853	0.5	346
20250612_1903	2.2	11
20250612_1913	0.1	149
20250612_1923	0.5	137
20250612_1933	2.7	18
20250612_1943	0.1	21
20250612_1953	1.7	5
20250612_2003	2.2	28
20250612_2013	0.1	62
20250612_2023	0.1	65
20250612_2033	0.2	75
20250612_2043	0.1	82
20250612_2053	0.6	21
20250612_2103	1	38
20250612_2113	1.5	23
20250612_2123	2.3	28
20250612_2133	0.3	308
20250612_2143	0.2	20
20250612_2153	1.5	348
20250612_2203	0.5	328
20250612_2213	3.4	55
20250612_2223	2.6	36
20250612_2233	1.9	36
20250612_2243	7.3	28
20250612_2253	0.9	54
20250612_2303	0.8	342
20250612_2313	0.2	84
20250612_2323	1.9	8
20250612_2333	0.7	52
20250612_2343	0.1	9
20250612_2353	0.1	195

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250613_0003	0.3	0
20250613_0013	0.1	305
20250613_0023	0.3	93
20250613_0033	0.1	168
20250613_0043	0.1	163
20250613_0053	0.1	96
20250613_0103	0.1	145
20250613_0113	0.1	162
20250613_0123	0.9	71
20250613_0133	0.1	119
20250613_0143	0.1	135
20250613_0153	0.2	339
20250613_0203	0.1	17
20250613_0213	0.1	122
20250613_0223	0.1	83
20250613_0233	0.2	84
20250613_0243	0.3	34
20250613_0253	0.1	83
20250613_0303	0.1	344
20250613_0313	0.1	145
20250613_0323	0.1	126
20250613_0333	0.1	133
20250613_0343	0.1	133
20250613_0353	0.1	163
20250613_0403	0.1	106
20250613_0413	0.1	139
20250613_0423	0.1	158
20250613_0433	0.1	152
20250613_0443	0.1	125
20250613_0453	0.1	153
20250613_0503	0.1	70
20250613_0513	0.1	288
20250613_0523	0.3	76
20250613_0533	0.1	96
20250613_0543	0.1	119
20250613_0553	0.1	91
20250613_0603	0.1	31
20250613_0613	0.1	23
20250613_0623	0.1	144
20250613_0633	0.1	0
20250613_0643	0.1	116
20250613_0653	0.4	34
20250613_0703	0.1	61
20250613_0713	0.1	56
20250613_0723	1.3	38
20250613_0733	1.1	33
20250613_0743	0.5	16
20250613_0753	0.1	40
20250613_0803	1.2	25
20250613_0813	0.9	341
20250613_0823	0.5	337
20250613_0833	0.5	353
20250613_0843	0.9	348
20250613_0853	0.1	5
20250613_0903	0.7	60
20250613_0913	0.2	3
20250613_0923	0.1	335
20250613_0933	0.1	139
20250613_0943	0.1	185
20250613_0953	0.1	-1
20250613_1003	0.1	187
20250613_1013	1.4	345
20250613_1023	0.1	152
20250613_1033	0.1	48
20250613_1043	0.2	26
20250613_1053	1.6	47
20250613_1103	0.6	72
20250613_1113	0.1	74
20250613_1123	1	18
20250613_1133	0.1	325
20250613_1143	0.1	326
20250613_1153	0.4	337

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250613_1203	1.4	30
20250613_1213	1.4	2
20250613_1223	3.5	16
20250613_1233	0.3	27
20250613_1243	1	349
20250613_1253	4	56
20250613_1303	1	341
20250613_1313	2.2	24
20250613_1323	2.9	79
20250613_1333	0.6	142
20250613_1343	0.5	325
20250613_1353	0.3	33
20250613_1403	0.8	7
20250613_1413	2.1	337
20250613_1423	2.2	23
20250613_1433	1.1	345
20250613_1443	6.1	10
20250613_1453	1.6	118
20250613_1503	0.4	247
20250613_1513	0.8	151
20250613_1523	0.1	63
20250613_1533	0.1	160
20250613_1543	0.1	105
20250613_1553	0.1	60
20250613_1603	0.1	83
20250613_1613	0.8	340
20250613_1623	0.2	122
20250613_1633	1	210
20250613_1643	0.1	315
20250613_1653	0.1	76
20250613_1703	0.8	8
20250613_1713	0.8	349
20250613_1723	0.8	46
20250613_1733	0.1	42
20250613_1743	0.2	158
20250613_1753	0.7	135
20250613_1803	0.1	43
20250613_1813	0.1	58
20250613_1823	0.1	81
20250613_1833	0.1	98
20250613_1843	2.3	333
20250613_1853	0.1	102
20250613_1903	0.2	124
20250613_1913	0.1	58
20250613_1923	0.9	39
20250613_1933	0.1	343
20250613_1943	0.3	122
20250613_1953	0.2	317
20250613_2003	0.1	84
20250613_2013	0.1	336
20250613_2023	0.2	60
20250613_2033	0.1	328
20250613_2043	0.1	243
20250613_2053	0.1	53
20250613_2103	0.1	98
20250613_2113	0.1	52
20250613_2123	0.1	148
20250613_2133	0.1	70
20250613_2143	0.1	75
20250613_2153	0.1	100
20250613_2203	0.1	315
20250613_2213	0.1	233
20250613_2223	0.1	286
20250613_2233	0.1	131
20250613_2243	0.6	157
20250613_2253	0.1	274
20250613_2303	0.1	126
20250613_2313	0.1	155
20250613_2323	0.1	72
20250613_2333	0.1	169
20250613_2343	0.1	125
20250613_2353	0.1	156

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250614_0003	0.1	133
20250614_0013	0.2	27
20250614_0023	0.4	119
20250614_0033	0.1	54
20250614_0043	0.1	180
20250614_0053	0.1	72
20250614_0103	0.1	144
20250614_0113	0.1	138
20250614_0123	0.1	297
20250614_0133	0.1	208
20250614_0143	0.1	259
20250614_0153	0.5	155
20250614_0203	0.1	138
20250614_0213	0.1	240
20250614_0223	0.2	294
20250614_0233	0.1	276
20250614_0243	0.1	150
20250614_0253	0.1	125
20250614_0303	0.1	77
20250614_0313	0.1	150
20250614_0323	0.2	276
20250614_0333	0.1	297
20250614_0343	0.1	5
20250614_0353	0.1	262
20250614_0403	0.1	117
20250614_0413	0.1	75
20250614_0423	0.1	119
20250614_0433	0.1	3
20250614_0443	0.1	285
20250614_0453	0.8	127
20250614_0503	0.1	260
20250614_0513	0.1	291
20250614_0523	0.1	181
20250614_0533	0.1	124
20250614_0543	0.1	79
20250614_0553	0.1	5
20250614_0603	0.1	275
20250614_0613	0.1	304
20250614_0623	0.1	174
20250614_0633	0.1	139
20250614_0643	0.1	65
20250614_0653	0.9	159
20250614_0703	0.1	132
20250614_0713	0.2	187
20250614_0723	0.1	115
20250614_0733	0.1	102
20250614_0743	0.1	164
20250614_0753	0.4	246
20250614_0803	0.2	120
20250614_0813	0.1	278
20250614_0823	1.9	244
20250614_0833	0.1	311
20250614_0843	0.6	247
20250614_0853	1.1	244
20250614_0903	0.1	307
20250614_0913	0.4	305
20250614_0923	0.4	92
20250614_0933	1	201
20250614_0943	0.1	264
20250614_0953	0.1	254
20250614_1003	0.1	284
20250614_1013	0.1	102
20250614_1023	2.1	206
20250614_1033	3	162
20250614_1043	0.1	253
20250614_1053	0.4	187
20250614_1103	3.3	154
20250614_1113	0.1	339
20250614_1123	0.1	99
20250614_1133	0.1	171
20250614_1143	0.1	324
20250614_1153	1.2	136

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250614_1203	0.1	69
20250614_1213	0.8	100
20250614_1223	0.2	114
20250614_1233	0.1	228
20250614_1243	0.2	137
20250614_1253	0.2	172
20250614_1303	0.1	218
20250614_1313	0.3	159
20250614_1323	0.1	306
20250614_1333	1.1	195
20250614_1343	2.6	253
20250614_1353	3	154
20250614_1403	7.1	182
20250614_1413	0.1	303
20250614_1423	0.1	157
20250614_1433	0.1	295
20250614_1443	0.1	225
20250614_1453	0.1	242
20250614_1503	0.2	267
20250614_1513	0.1	273
20250614_1523	0.1	136
20250614_1533	0.1	145
20250614_1543	0.2	153
20250614_1553	1.5	137
20250614_1603	0.1	307
20250614_1613	0.1	159
20250614_1623	0.7	130
20250614_1633	0.1	26
20250614_1643	2.2	181
20250614_1653	0.2	139
20250614_1703	0.1	248
20250614_1713	0.1	207
20250614_1723	0.1	316
20250614_1733	0.1	50
20250614_1743	1.2	139
20250614_1753	1.1	139
20250614_1803	0.2	138
20250614_1813	0.1	345
20250614_1823	2.8	136
20250614_1833	0.8	290
20250614_1843	0.1	149
20250614_1853	0.1	325
20250614_1903	0.3	201
20250614_1913	0.1	182
20250614_1923	0.1	259
20250614_1933	0.1	146
20250614_1943	0.2	274
20250614_1953	0.1	247
20250614_2003	0.1	167
20250614_2013	0.2	157
20250614_2023	0.1	290
20250614_2033	0.1	316
20250614_2043	0.1	172
20250614_2053	0.1	149
20250614_2103	0.1	99
20250614_2113	0.1	251
20250614_2123	0.1	183
20250614_2133	0.1	90
20250614_2143	0.1	145
20250614_2153	0.1	297
20250614_2203	0.1	281
20250614_2213	0.1	289
20250614_2223	0.1	252
20250614_2233	1	152
20250614_2243	0.1	340
20250614_2253	0.1	123
20250614_2303	0.1	69
20250614_2313	0.6	261
20250614_2323	0.1	350
20250614_2333	0.1	230
20250614_2343	0.5	273
20250614_2353	0.1	125

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250615_0003	0.1	108
20250615_0013	0.1	320
20250615_0023	0.1	203
20250615_0033	0.5	178
20250615_0043	0.1	169
20250615_0053	1	155
20250615_0103	0.1	55
20250615_0113	0.3	247
20250615_0123	0.1	257
20250615_0133	0.1	350
20250615_0143	0.1	157
20250615_0153	0.5	187
20250615_0203	1.1	271
20250615_0213	0.1	326
20250615_0223	0.4	133
20250615_0233	3	171
20250615_0243	0.4	100
20250615_0253	0.1	100
20250615_0303	0.1	227
20250615_0313	0.3	130
20250615_0323	0.1	277
20250615_0333	0.1	166
20250615_0343	0.1	274
20250615_0353	0.1	296
20250615_0403	0.1	92
20250615_0413	1.9	147
20250615_0423	0.6	231
20250615_0433	0.4	237
20250615_0443	0.1	291
20250615_0453	0.2	296
20250615_0503	0.2	310
20250615_0513	0.7	228
20250615_0523	0.2	112
20250615_0533	0.1	159
20250615_0543	0.1	118
20250615_0553	0.1	226
20250615_0603	0.1	155
20250615_0613	0.1	131
20250615_0623	0.1	330
20250615_0633	0.5	80
20250615_0643	0.9	254
20250615_0653	0.1	7
20250615_0703	3.9	258
20250615_0713	0.1	299
20250615_0723	0.1	69
20250615_0733	0.1	66
20250615_0743	0.1	272
20250615_0753	0.8	165
20250615_0803	0.3	154
20250615_0813	0.1	295
20250615_0823	0.1	188
20250615_0833	0.1	230
20250615_0843	0.1	161
20250615_0853	0.1	180
20250615_0903	0.1	255
20250615_0913	4.7	193
20250615_0923	0.1	143
20250615_0933	0.8	252
20250615_0943	0.1	271
20250615_0953	0.1	131
20250615_1003	0.1	270
20250615_1013	0.1	266
20250615_1023	0.1	258
20250615_1033	0.1	174
20250615_1043	0.1	291
20250615_1053	0.1	189
20250615_1103	0.4	134
20250615_1113	0.1	238
20250615_1123	0.1	249
20250615_1133	0.1	302
20250615_1143	0.2	230
20250615_1153	0.1	227

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250615_1203	0.2	223
20250615_1213	0.3	13
20250615_1223	0.1	174
20250615_1233	0.6	134
20250615_1243	0.8	145
20250615_1253	0.1	121
20250615_1303	0.1	296
20250615_1313	0.1	19
20250615_1323	0.1	121
20250615_1333	0.1	233
20250615_1343	0.1	117
20250615_1353	2.9	130
20250615_1403	0.2	110
20250615_1413	0.1	199
20250615_1423	0.4	253
20250615_1433	0.1	173
20250615_1443	0.1	32
20250615_1453	0.1	232
20250615_1503	0.2	331
20250615_1513	0.5	263
20250615_1523	0.1	260
20250615_1533	0.2	214
20250615_1543	0.1	273
20250615_1553	0.1	264
20250615_1603	0.1	166
20250615_1613	0.5	219
20250615_1623	0.9	247
20250615_1633	0.1	272
20250615_1643	0.2	188
20250615_1653	0.1	203
20250615_1703	0.1	148
20250615_1713	0.1	165
20250615_1723	0.1	114
20250615_1733	0.1	237
20250615_1743	0.1	221
20250615_1753	0.1	181
20250615_1803	0.1	153
20250615_1813	0.1	153
20250615_1823	0.1	245
20250615_1833	0.1	271
20250615_1843	0.1	295
20250615_1853	0.1	208
20250615_1903	0.1	151
20250615_1913	0.1	156
20250615_1923	0.1	144
20250615_1933	0.1	194
20250615_1943	0.1	243
20250615_1953	0.1	156
20250615_2003	0.1	173
20250615_2013	0.1	158
20250615_2023	0.1	159
20250615_2033	0.1	221
20250615_2043	0.1	252
20250615_2053	0.1	252
20250615_2103	0.1	252
20250615_2113	0.1	173
20250615_2123	0.1	19
20250615_2133	0.1	120
20250615_2143	0.1	120
20250615_2153	0.1	150
20250615_2203	0.1	150
20250615_2213	0.1	134
20250615_2223	0.1	45
20250615_2233	0.1	50
20250615_2243	0.1	119
20250615_2253	0.1	18
20250615_2303	0.1	29
20250615_2313	0.1	68
20250615_2323	0.1	38
20250615_2333	0.1	45
20250615_2343	0.1	84
20250615_2353	0.1	101

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250616_0003	0.1	100
20250616_0013	0.1	-1
20250616_0023	0.1	17
20250616_0033	0.1	40
20250616_0043	0.1	23
20250616_0053	0.1	96
20250616_0103	0.1	128
20250616_0113	0.1	91
20250616_0123	0.1	106
20250616_0133	0.1	53
20250616_0143	0.1	92
20250616_0153	0.1	92
20250616_0203	0.1	33
20250616_0213	0.1	63
20250616_0223	0.1	30
20250616_0233	0.1	51
20250616_0243	0.1	51
20250616_0253	0.1	42
20250616_0303	0.1	90
20250616_0313	0.1	52
20250616_0323	0.1	66
20250616_0333	0.1	312
20250616_0343	0.1	226
20250616_0353	0.1	141
20250616_0403	0.1	141
20250616_0413	0.1	53
20250616_0423	0.1	37
20250616_0433	0.1	49
20250616_0443	0.1	312
20250616_0453	0.1	59
20250616_0503	0.1	75
20250616_0513	0.1	110
20250616_0523	0.1	166
20250616_0533	0.1	70
20250616_0543	0.1	71
20250616_0553	0.1	67
20250616_0603	0.1	0
20250616_0613	0.1	-1
20250616_0623	0.1	-1
20250616_0633	0.1	-1
20250616_0643	0.1	-1
20250616_0653	0.1	33
20250616_0703	0.1	39
20250616_0713	0.1	-1
20250616_0723	0.1	144
20250616_0733	0.1	237
20250616_0743	0.1	169
20250616_0753	0.1	256
20250616_0803	0.1	11
20250616_0813	0.2	158
20250616_0823	0.1	146
20250616_0833	0.1	65
20250616_0843	0.1	158
20250616_0853	0.1	141
20250616_0903	0.1	136
20250616_0913	0.1	168
20250616_0923	0.5	238
20250616_0933	0.2	179
20250616_0943	0.1	108
20250616_0953	0.1	81
20250616_1003	0.1	155
20250616_1013	0.1	126
20250616_1023	0.1	47
20250616_1033	0.1	208
20250616_1043	0.4	129
20250616_1053	0.3	34
20250616_1103	1	143
20250616_1113	0.1	235
20250616_1123	1.2	154
20250616_1133	1	111
20250616_1143	0.1	312
20250616_1153	1.3	143

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250616_1203	2.9	258
20250616_1213	0.1	135
20250616_1223	0.6	225
20250616_1233	0.1	206
20250616_1243	0.2	60
20250616_1253	1	212
20250616_1303	1.2	272
20250616_1313	0.1	138
20250616_1323	0.1	226
20250616_1333	0.4	133
20250616_1343	0.3	235
20250616_1353	0.3	143
20250616_1403	0.6	232
20250616_1413	0.2	176
20250616_1423	0.1	228
20250616_1433	0.3	215
20250616_1443	0.1	145
20250616_1453	0.1	143
20250616_1503	0.1	112
20250616_1513	0.1	152
20250616_1523	0.1	143
20250616_1533	0.2	144
20250616_1543	0.2	134
20250616_1553	0.1	163
20250616_1603	0.1	175
20250616_1613	0.1	172
20250616_1623	0.1	133
20250616_1633	0.1	168
20250616_1643	0.1	122
20250616_1653	0.1	234
20250616_1703	0.1	163
20250616_1713	0.1	182
20250616_1723	0.1	135
20250616_1733	0.1	122
20250616_1743	0.1	153
20250616_1753	0.1	132
20250616_1803	0.1	102
20250616_1813	0.1	116
20250616_1823	0.1	99
20250616_1833	0.1	104
20250616_1843	0.1	68
20250616_1853	0.1	55
20250616_1903	0.1	108
20250616_1913	0.1	139
20250616_1923	0.1	117
20250616_1933	0.1	65
20250616_1943	0.1	110
20250616_1953	0.1	62
20250616_2003	0.1	26
20250616_2013	0.1	137
20250616_2023	0.1	136
20250616_2033	0.1	109
20250616_2043	0.1	118
20250616_2053	0.1	56
20250616_2103	0.1	109
20250616_2113	0.1	109
20250616_2123	0.1	139
20250616_2133	0.1	134
20250616_2143	0.1	155
20250616_2153	0.1	157
20250616_2203	0.1	107
20250616_2213	0.1	148
20250616_2223	0.1	144
20250616_2233	0.1	117
20250616_2243	0.1	323
20250616_2253	0.1	152
20250616_2303	0.1	1
20250616_2313	0.1	134
20250616_2323	0.1	129
20250616_2333	0.1	86
20250616_2343	0.4	114
20250616_2353	0.1	97

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250617_0003	0.1	87
20250617_0013	0.6	50
20250617_0023	0.1	214
20250617_0033	0.1	94
20250617_0043	0.1	79
20250617_0053	0.1	152
20250617_0103	0.1	87
20250617_0113	0.2	114
20250617_0123	0.1	131
20250617_0133	0.1	199
20250617_0143	0.1	278
20250617_0153	0.1	76
20250617_0203	0.1	313
20250617_0213	0.1	65
20250617_0223	0.1	143
20250617_0233	0.1	341
20250617_0243	0.1	141
20250617_0253	0.1	80
20250617_0303	0.1	156
20250617_0313	0.1	349
20250617_0323	0.1	113
20250617_0333	0.1	343
20250617_0343	0.1	87
20250617_0353	0.1	109
20250617_0403	0.1	268
20250617_0413	0.1	83
20250617_0423	0.1	321
20250617_0433	0.1	147
20250617_0443	0.4	317
20250617_0453	0.1	78
20250617_0503	0.1	72
20250617_0513	0.1	38
20250617_0523	0.1	28
20250617_0533	0.1	94
20250617_0543	0.1	159
20250617_0553	0.1	133
20250617_0603	0.1	76
20250617_0613	0.1	65
20250617_0623	0.1	41
20250617_0633	0.1	307
20250617_0643	0.1	101
20250617_0653	0.1	249
20250617_0703	0.1	310
20250617_0713	0.1	147
20250617_0723	0.1	349
20250617_0733	0.1	83
20250617_0743	0.1	37
20250617_0753	0.1	106
20250617_0803	0.1	224
20250617_0813	0.1	86
20250617_0823	0.1	132
20250617_0833	0.1	146
20250617_0843	0.1	24
20250617_0853	0.1	38
20250617_0903	0.1	125
20250617_0913	0.1	271
20250617_0923	0.1	251
20250617_0933	0.1	178
20250617_0943	0.1	152
20250617_0953	0.1	83
20250617_1003	0.1	248
20250617_1013	0.1	159
20250617_1023	0.1	140
20250617_1033	0.1	313
20250617_1043	0.1	79
20250617_1053	0.1	351
20250617_1103	0.1	155
20250617_1113	0.1	168
20250617_1123	0.2	99
20250617_1133	0.4	59
20250617_1143	0.1	327
20250617_1153	0.1	260

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250617_1203	3.4	118
20250617_1213	0.1	307
20250617_1223	0.1	46
20250617_1233	0.1	47
20250617_1243	0.1	83
20250617_1253	0.1	85
20250617_1303	0.1	4
20250617_1313	0.1	33
20250617_1323	0.1	10
20250617_1333	0.1	26
20250617_1343	0.1	6
20250617_1353	0.1	60
20250617_1403	0.1	340
20250617_1413	0.1	161
20250617_1423	0.1	104
20250617_1433	0.1	105
20250617_1443	0.1	10
20250617_1453	0.1	127
20250617_1503	0.1	48
20250617_1513	0.2	50
20250617_1523	0.4	37
20250617_1533	0.1	124
20250617_1543	0.5	38
20250617_1553	0.1	55
20250617_1603	0.1	97
20250617_1613	0.1	99
20250617_1623	0.1	97
20250617_1633	0.1	113
20250617_1643	0.1	49
20250617_1653	0.1	97
20250617_1703	0.1	82
20250617_1713	0.5	25
20250617_1723	0.1	43
20250617_1733	0.1	125
20250617_1743	0.1	31
20250617_1753	0.1	128
20250617_1803	0.1	102
20250617_1813	0.2	106
20250617_1823	0.1	33
20250617_1833	0.1	66
20250617_1843	1.5	26
20250617_1853	0.6	88
20250617_1903	0.1	83
20250617_1913	0.2	327
20250617_1923	0.5	350
20250617_1933	0.1	40
20250617_1943	0.1	143
20250617_1953	0.2	138
20250617_2003	0.1	346
20250617_2013	0.6	116
20250617_2023	0.1	46
20250617_2033	1.5	48
20250617_2043	0.1	30
20250617_2053	0.5	123
20250617_2103	0.1	319
20250617_2113	0.1	128
20250617_2123	0.1	126
20250617_2133	0.1	123
20250617_2143	1.3	4
20250617_2153	0.1	22
20250617_2203	0.1	214
20250617_2213	0.1	49
20250617_2223	0.5	135
20250617_2233	0.1	111
20250617_2243	0.3	33
20250617_2253	0.1	350
20250617_2303	0.1	6
20250617_2313	0.1	93
20250617_2323	0.2	94
20250617_2333	0.1	96
20250617_2343	0.2	50
20250617_2353	0.2	33

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250618_0003	0.1	253
20250618_0013	0.1	116
20250618_0023	0.2	127
20250618_0033	0.1	78
20250618_0043	0.2	111
20250618_0053	1.3	113
20250618_0103	0.1	91
20250618_0113	0.1	49
20250618_0123	0.1	187
20250618_0133	0.1	34
20250618_0143	0.1	53
20250618_0153	0.3	233
20250618_0203	0.1	60
20250618_0213	0.1	71
20250618_0223	0.1	292
20250618_0233	0.1	143
20250618_0243	0.1	288
20250618_0253	0.1	81
20250618_0303	0.1	43
20250618_0313	0.1	39
20250618_0323	0.1	75
20250618_0333	0.1	296
20250618_0343	0.1	343
20250618_0353	0.1	158
20250618_0403	0.1	248
20250618_0413	0.1	100
20250618_0423	0.1	297
20250618_0433	0.1	136
20250618_0443	0.1	118
20250618_0453	0.8	159
20250618_0503	0.1	118
20250618_0513	0.1	331
20250618_0523	0.1	150
20250618_0533	0.1	129
20250618_0543	0.1	157
20250618_0553	0.1	3
20250618_0603	0.1	210
20250618_0613	0.1	317
20250618_0623	0.1	20
20250618_0633	0.1	107
20250618_0643	0.6	247
20250618_0653	0.1	138
20250618_0703	0.1	325
20250618_0713	0.1	120
20250618_0723	0.2	169
20250618_0733	0.1	277
20250618_0743	0.1	267
20250618_0753	0.9	245
20250618_0803	0.1	9
20250618_0813	0.1	166
20250618_0823	0.1	128
20250618_0833	0.5	171
20250618_0843	0.1	47
20250618_0853	0.1	162
20250618_0903	0.1	251
20250618_0913	0.1	257
20250618_0923	0.8	177
20250618_0933	0.1	90
20250618_0943	0.9	132
20250618_0953	0.1	138
20250618_1003	0.1	264
20250618_1013	0.2	140
20250618_1023	0.1	328
20250618_1033	0.7	146
20250618_1043	0.1	135
20250618_1053	1.1	167
20250618_1103	0.1	246
20250618_1113	0.2	230
20250618_1123	0.1	123
20250618_1133	0.1	105
20250618_1143	0.1	240
20250618_1153	0.1	144

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250618_1203	0.1	144
20250618_1213	0.1	140
20250618_1223	0.1	154
20250618_1233	0.1	235
20250618_1243	0.1	246
20250618_1253	0.3	272
20250618_1303	0.3	272
20250618_1313	0.9	240
20250618_1323	0.1	189
20250618_1333	0.2	179
20250618_1343	0.3	204
20250618_1353	0.1	120
20250618_1403	0.5	161
20250618_1413	0.1	41
20250618_1423	0.1	207
20250618_1433	0.1	116
20250618_1443	2.6	151
20250618_1453	0.1	18
20250618_1503	1.9	25
20250618_1513	3.1	144
20250618_1523	0.9	33
20250618_1533	0.1	223
20250618_1543	0.3	30
20250618_1553	0.3	275
20250618_1603	0.1	58
20250618_1613	0.1	103
20250618_1623	0.1	70
20250618_1633	0.6	139
20250618_1643	0.1	127
20250618_1653	0.1	139
20250618_1703	0.1	149
20250618_1713	0.1	333
20250618_1723	0.1	265
20250618_1733	0.1	124
20250618_1743	0.1	53
20250618_1753	0.1	113
20250618_1803	0.1	316
20250618_1813	0.1	5
20250618_1823	0.1	79
20250618_1833	0.1	54
20250618_1843	0.1	21
20250618_1853	0.1	330
20250618_1903	0.1	37
20250618_1913	0.2	13
20250618_1923	0.1	21
20250618_1933	0.1	34
20250618_1943	0.8	325
20250618_1953	1.6	6
20250618_2003	0.6	303
20250618_2013	0.9	19
20250618_2023	1.1	312
20250618_2033	3.5	34
20250618_2043	0.1	274
20250618_2053	0.8	35
20250618_2103	3.3	60
20250618_2113	0.2	305
20250618_2123	0.1	333
20250618_2133	0.1	322
20250618_2143	2.2	4
20250618_2153	0.1	171
20250618_2203	0.1	338
20250618_2213	1.4	23
20250618_2223	0.2	334
20250618_2233	0.2	328
20250618_2243	0.1	72
20250618_2253	0.1	23
20250618_2303	0.4	33
20250618_2313	0.3	58
20250618_2323	0.8	43
20250618_2333	0.9	308
20250618_2343	2	35
20250618_2353	0.1	108

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250619_0003	0.1	95
20250619_0013	0.1	102
20250619_0023	0.2	292
20250619_0033	0.1	272
20250619_0043	4	2
20250619_0053	0.4	101
20250619_0103	0.1	321
20250619_0113	0.1	228
20250619_0123	0.1	6
20250619_0133	0.1	305
20250619_0143	0.1	343
20250619_0153	0.1	328
20250619_0203	0.1	334
20250619_0213	0.1	52
20250619_0223	0.1	51
20250619_0233	0.1	109
20250619_0243	0.1	156
20250619_0253	0.1	323
20250619_0303	0.1	313
20250619_0313	0.1	98
20250619_0323	0.1	120
20250619_0333	0.1	119
20250619_0343	0.1	35
20250619_0353	0.1	40
20250619_0403	0.1	325
20250619_0413	0.1	40
20250619_0423	0.1	115
20250619_0433	0.1	101
20250619_0443	0.1	107
20250619_0453	0.1	113
20250619_0503	0.1	98
20250619_0513	0.1	110
20250619_0523	0.1	140
20250619_0533	0.1	121
20250619_0543	0.1	109
20250619_0553	0.1	117
20250619_0603	0.1	108
20250619_0613	0.1	90
20250619_0623	0.1	92
20250619_0633	0.1	319
20250619_0643	0.1	350
20250619_0653	0.1	273
20250619_0703	0.1	31
20250619_0713	0.1	76
20250619_0723	0.1	342
20250619_0733	0.1	41
20250619_0743	0.1	131
20250619_0753	0.1	224
20250619_0803	0.1	62
20250619_0813	0.1	141
20250619_0823	0.4	132
20250619_0833	0.1	188
20250619_0843	0.2	161
20250619_0853	0.1	261
20250619_0903	0.1	189
20250619_0913	0.1	291
20250619_0923	0.1	82
20250619_0933	0.1	6
20250619_0943	0.1	255
20250619_0953	0.1	307
20250619_1003	0.1	-1
20250619_1013	0.3	33
20250619_1023	0.2	138
20250619_1033	1.3	154
20250619_1043	0.1	219
20250619_1053	0.1	36
20250619_1103	0.1	246
20250619_1113	0.1	3
20250619_1123	1.4	11
20250619_1133	0.2	320
20250619_1143	0.5	350
20250619_1153	2.6	120

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250619_1203	0.9	83
20250619_1213	0.1	245
20250619_1223	0.1	40
20250619_1233	1.3	327
20250619_1243	3.8	320
20250619_1253	2.1	346
20250619_1303	4.7	345
20250619_1313	5.8	13
20250619_1323	0.9	263
20250619_1333	2	293
20250619_1343	0.5	250
20250619_1353	0.1	146
20250619_1403	0.1	233
20250619_1413	0.3	308
20250619_1423	0.2	22
20250619_1433	6.1	339
20250619_1443	2.8	12
20250619_1453	0.1	12
20250619_1503	0.4	346
20250619_1513	0.8	331
20250619_1523	0.1	1
20250619_1533	2.1	299
20250619_1543	6.2	28
20250619_1553	6.5	347
20250619_1603	4.9	330
20250619_1613	1.6	13
20250619_1623	1.1	295
20250619_1633	1	265
20250619_1643	3.1	6
20250619_1653	2.2	341
20250619_1703	2.9	347
20250619_1713	0.7	22
20250619_1723	0.3	78
20250619_1733	0.1	147
20250619_1743	0.1	137
20250619_1753	0.1	273
20250619_1803	0.1	119
20250619_1813	0.1	125
20250619_1823	0.1	38
20250619_1833	0.1	45
20250619_1843	0.1	128
20250619_1853	0.5	308
20250619_1903	0.1	120
20250619_1913	0.1	309
20250619_1923	1.4	33
20250619_1933	0.1	153
20250619_1943	0.1	228
20250619_1953	4.5	342
20250619_2003	0.2	295
20250619_2013	0.1	163
20250619_2023	0.1	5
20250619_2033	0.9	85
20250619_2043	1	27
20250619_2053	0.3	343
20250619_2103	2.6	28
20250619_2113	0.1	163
20250619_2123	0.1	102
20250619_2133	0.1	45
20250619_2143	0.6	286
20250619_2153	0.1	5
20250619_2203	0.2	350
20250619_2213	0.1	18
20250619_2223	0.7	89
20250619_2233	0.1	333
20250619_2243	0.5	190
20250619_2253	0.5	351
20250619_2303	0.1	201
20250619_2313	0.1	348
20250619_2323	0.1	250
20250619_2333	0.1	39
20250619_2343	0.1	97
20250619_2353	0.1	83

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250620_0003	0.1	160
20250620_0013	0.1	93
20250620_0023	0.1	177
20250620_0033	0.1	107
20250620_0043	0.1	95
20250620_0053	0.1	74
20250620_0103	0.1	105
20250620_0113	0.1	88
20250620_0123	0.1	109
20250620_0133	0.1	115
20250620_0143	0.1	15
20250620_0153	0.1	6
20250620_0203	0.1	134
20250620_0213	0.1	129
20250620_0223	0.1	224
20250620_0233	0.1	89
20250620_0243	0.1	48
20250620_0253	0.1	110
20250620_0303	1.9	153
20250620_0313	0.1	159
20250620_0323	0.1	32
20250620_0333	0.1	302
20250620_0343	0.1	109
20250620_0353	0.1	347
20250620_0403	0.1	234
20250620_0413	0.1	350
20250620_0423	0.1	112
20250620_0433	0.1	132
20250620_0443	0.1	243
20250620_0453	0.1	83
20250620_0503	0.1	14
20250620_0513	0.1	179
20250620_0523	0.1	58
20250620_0533	0.1	29
20250620_0543	0.1	165
20250620_0553	0.1	101
20250620_0603	0.1	96
20250620_0613	0.1	86
20250620_0623	0.1	154
20250620_0633	0.1	154
20250620_0643	0.1	121
20250620_0653	0.1	270
20250620_0703	0.1	150
20250620_0713	0.1	150
20250620_0723	0.1	88
20250620_0733	0.1	115
20250620_0743	0.1	9
20250620_0753	0.1	83
20250620_0803	0.1	250
20250620_0813	0.1	172
20250620_0823	0.1	213
20250620_0833	0.1	59
20250620_0843	0.1	76
20250620_0853	0.2	351
20250620_0903	0.1	180
20250620_0913	0.1	267
20250620_0923	0.1	84
20250620_0933	0.1	320
20250620_0943	0.7	289
20250620_0953	2.6	38
20250620_1003	0.1	2
20250620_1013	0.5	140
20250620_1023	0.2	296
20250620_1033	0.4	314
20250620_1043	1.2	337
20250620_1053	1.4	16
20250620_1103	1.8	309
20250620_1113	0.1	254
20250620_1123	0.6	240
20250620_1133	4.3	160
20250620_1143	0.4	137
20250620_1153	0.1	148

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250620_1203	0.1	258
20250620_1213	0.1	194
20250620_1223	0.1	189
20250620_1233	0.1	101
20250620_1243	0.1	121
20250620_1253	0.1	113
20250620_1303	0.1	10
20250620_1313	0.1	337
20250620_1323	0.2	66
20250620_1333	0.2	261
20250620_1343	0.1	244
20250620_1353	0.1	264
20250620_1403	0.5	124
20250620_1413	0.1	259
20250620_1423	0.4	162
20250620_1433	0.1	166
20250620_1443	0.1	127
20250620_1453	0.1	328
20250620_1503	0.3	300
20250620_1513	0.7	144
20250620_1523	0.1	154
20250620_1533	0.2	277
20250620_1543	1.5	166
20250620_1553	0.1	217
20250620_1603	0.1	262
20250620_1613	1.5	186
20250620_1623	0.9	138
20250620_1633	0.2	111
20250620_1643	0.2	96
20250620_1653	0.1	137
20250620_1703	0.1	156
20250620_1713	0.1	146
20250620_1723	0.1	166
20250620_1733	0.1	119
20250620_1743	0.1	132
20250620_1753	0.1	159
20250620_1803	0.1	124
20250620_1813	0.1	146
20250620_1823	0.1	58
20250620_1833	0.1	152
20250620_1843	0.1	153
20250620_1853	0.1	167
20250620_1903	0.1	43
20250620_1913	0.1	95
20250620_1923	0.1	119
20250620_1933	0.1	117
20250620_1943	0.2	127
20250620_1953	0.1	157
20250620_2003	0.1	47
20250620_2013	0.3	59
20250620_2023	0.6	112
20250620_2033	0.1	142
20250620_2043	0.1	92
20250620_2053	0.1	74
20250620_2103	0.1	63
20250620_2113	0.1	131
20250620_2123	0.4	90
20250620_2133	0.1	104
20250620_2143	0.1	121
20250620_2153	0.1	91
20250620_2203	0.1	96
20250620_2213	0.6	114
20250620_2223	0.1	86
20250620_2233	0.1	101
20250620_2243	0.1	106
20250620_2253	0.1	97
20250620_2303	0.1	107
20250620_2313	0.1	55
20250620_2323	0.1	39
20250620_2333	0.2	115
20250620_2343	0.1	95
20250620_2353	0.4	81

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250621_0003	0.1	266
20250621_0013	0.1	90
20250621_0023	0.2	96
20250621_0033	0.1	62
20250621_0043	0.1	79
20250621_0053	0.2	101
20250621_0103	0.1	108
20250621_0113	0.1	87
20250621_0123	0.1	77
20250621_0133	0.1	104
20250621_0143	0.1	53
20250621_0153	0.1	79
20250621_0203	0.1	59
20250621_0213	0.1	134
20250621_0223	0.1	72
20250621_0233	0.1	94
20250621_0243	0.1	59
20250621_0253	0.1	109
20250621_0303	0.1	223
20250621_0313	0.1	115
20250621_0323	0.1	87
20250621_0333	0.1	99
20250621_0343	0.1	87
20250621_0353	0.1	89
20250621_0403	0.1	73
20250621_0413	0.2	32
20250621_0423	0.3	48
20250621_0433	0.2	70
20250621_0443	0.1	48
20250621_0453	0.1	102
20250621_0503	0.1	124
20250621_0513	0.1	130
20250621_0523	0.1	129
20250621_0533	0.1	23
20250621_0543	0.1	37
20250621_0553	0.1	93
20250621_0603	0.1	109
20250621_0613	0.1	97
20250621_0623	0.1	100
20250621_0633	0.1	84
20250621_0643	0.1	95
20250621_0653	0.2	113
20250621_0703	0.2	125
20250621_0713	0.1	190
20250621_0723	0.2	177
20250621_0733	0.1	143
20250621_0743	0.1	7
20250621_0753	0.1	86
20250621_0803	0.1	335
20250621_0813	0.1	47
20250621_0823	0.1	273
20250621_0833	0.1	28
20250621_0843	0.3	248
20250621_0853	1.4	130
20250621_0903	0.1	274
20250621_0913	0.1	216
20250621_0923	0.2	267
20250621_0933	1.7	140
20250621_0943	0.1	184
20250621_0953	0.1	109
20250621_1003	0.3	71
20250621_1013	0.1	272
20250621_1023	0.4	137
20250621_1033	0.7	206
20250621_1043	0.1	236
20250621_1053	0.1	146
20250621_1103	0.8	94
20250621_1113	0.1	222
20250621_1123	0.1	215
20250621_1133	0.1	297
20250621_1143	0.1	346
20250621_1153	0.1	179

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250621_1203	0.1	208
20250621_1213	0.2	22
20250621_1223	0.6	249
20250621_1233	1	54
20250621_1243	1.5	277
20250621_1253	0.9	262
20250621_1303	0.1	179
20250621_1313	0.1	114
20250621_1323	0.1	182
20250621_1333	0.1	105
20250621_1343	0.1	103
20250621_1353	0.4	161
20250621_1403	0.2	185
20250621_1413	0.3	202
20250621_1423	0.3	269
20250621_1433	0.1	265
20250621_1443	1.1	112
20250621_1453	0.2	65
20250621_1503	0.4	302
20250621_1513	0.1	84
20250621_1523	0.1	292
20250621_1533	0.1	51
20250621_1543	0.1	160
20250621_1553	0.1	153
20250621_1603	0.1	125
20250621_1613	0.1	32
20250621_1623	0.1	274
20250621_1633	0.1	143
20250621_1643	0.1	89
20250621_1653	0.1	93
20250621_1703	0.1	95
20250621_1713	0.1	119
20250621_1723	0.1	58
20250621_1733	0.1	110
20250621_1743	0.2	144
20250621_1753	0.1	134
20250621_1803	0.1	114
20250621_1813	0.1	110
20250621_1823	0.1	88
20250621_1833	0.1	116
20250621_1843	0.1	117
20250621_1853	0.1	122
20250621_1903	0.1	106
20250621_1913	0.1	23
20250621_1923	0.1	117
20250621_1933	0.1	117
20250621_1943	0.1	108
20250621_1953	0.1	53
20250621_2003	0.1	102
20250621_2013	0.1	10
20250621_2023	0.1	136
20250621_2033	0.1	107
20250621_2043	0.3	36
20250621_2053	0.1	67
20250621_2103	0.1	130
20250621_2113	0.1	79
20250621_2123	0.1	106
20250621_2133	0.1	103
20250621_2143	0.1	152
20250621_2153	0.1	152
20250621_2203	0.1	119
20250621_2213	0.1	62
20250621_2223	0.1	27
20250621_2233	0.1	107
20250621_2243	0.1	113
20250621_2253	0.1	121
20250621_2303	0.1	56
20250621_2313	0.1	159
20250621_2323	0.1	321
20250621_2333	0.1	138
20250621_2343	0.1	102
20250621_2353	0.1	61

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250622_0003	0.1	138
20250622_0013	0.1	128
20250622_0023	0.1	172
20250622_0033	0.1	161
20250622_0043	0.1	118
20250622_0053	0.1	115
20250622_0103	0.1	111
20250622_0113	0.1	15
20250622_0123	0.1	106
20250622_0133	0.1	52
20250622_0143	0.1	93
20250622_0153	0.1	298
20250622_0203	0.1	323
20250622_0213	0.1	31
20250622_0223	0.1	0
20250622_0233	0.1	333
20250622_0243	0.1	3
20250622_0253	0.1	85
20250622_0303	0.1	108
20250622_0313	0.1	88
20250622_0323	0.1	127
20250622_0333	0.1	284
20250622_0343	0.1	15
20250622_0353	0.1	152
20250622_0403	0.1	344
20250622_0413	0.1	41
20250622_0423	0.1	180
20250622_0433	0.1	18
20250622_0443	0.1	0
20250622_0453	0.1	352
20250622_0503	0.1	334
20250622_0513	0.1	64
20250622_0523	0.1	32
20250622_0533	0.1	23
20250622_0543	0.1	152
20250622_0553	0.1	44
20250622_0603	0.1	267
20250622_0613	0.1	300
20250622_0623	0.4	105
20250622_0633	0.1	178
20250622_0643	0.1	79
20250622_0653	0.1	69
20250622_0703	0.1	110
20250622_0713	0.1	109
20250622_0723	0.1	109
20250622_0733	0.1	108
20250622_0743	0.1	109
20250622_0753	0.1	108
20250622_0803	0.1	302
20250622_0813	0.1	128
20250622_0823	0.1	248
20250622_0833	0.1	224
20250622_0843	0.1	115
20250622_0853	0.3	146
20250622_0903	0.1	109
20250622_0913	0.1	130
20250622_0923	0.1	73
20250622_0933	0.3	243
20250622_0943	0.1	285
20250622_0953	0.1	172
20250622_1003	0.1	264
20250622_1013	0.1	220
20250622_1023	0.1	311
20250622_1033	3.2	149
20250622_1043	0.5	78
20250622_1053	0.1	263
20250622_1103	0.5	285
20250622_1113	0.1	293
20250622_1123	0.1	118
20250622_1133	0.1	127
20250622_1143	0.1	310
20250622_1153	0.1	100

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250622_1203	0.1	137
20250622_1213	0.1	157
20250622_1223	0.1	154
20250622_1233	0.1	266
20250622_1243	0.1	185
20250622_1253	0.1	204
20250622_1303	0.1	188
20250622_1313	0.4	126
20250622_1323	0.3	81
20250622_1333	0.9	122
20250622_1343	0.1	165
20250622_1353	0.1	167
20250622_1403	1.8	220
20250622_1413	0.1	111
20250622_1423	0.1	213
20250622_1433	0.1	133
20250622_1443	0.1	134
20250622_1453	0.7	34
20250622_1503	0.1	19
20250622_1513	0.1	17
20250622_1523	0.1	148
20250622_1533	0.1	164
20250622_1543	0.1	194
20250622_1553	0.1	142
20250622_1603	0.1	98
20250622_1613	0.1	339
20250622_1623	0.1	103
20250622_1633	0.2	166
20250622_1643	0.1	154
20250622_1653	0.1	131
20250622_1703	0.1	158
20250622_1713	0.4	131
20250622_1723	0.2	132
20250622_1733	1	148
20250622_1743	0.1	91
20250622_1753	0.1	144
20250622_1803	0.1	254
20250622_1813	0.1	235
20250622_1823	0.1	146
20250622_1833	0.1	337
20250622_1843	0.1	232
20250622_1853	0.1	176
20250622_1903	0.1	199
20250622_1913	0.1	32
20250622_1923	0.1	167
20250622_1933	0.1	103
20250622_1943	0.1	127
20250622_1953	0.1	127
20250622_2003	0.1	125
20250622_2013	0.1	122
20250622_2023	0.1	122
20250622_2033	0.1	122
20250622_2043	0.1	14
20250622_2053	0.1	60
20250622_2103	0.1	106
20250622_2113	0.1	120
20250622_2123	0.1	105
20250622_2133	0.1	105
20250622_2143	0.1	120
20250622_2153	0.1	120
20250622_2203	0.1	126
20250622_2213	0.1	96
20250622_2223	0.1	101
20250622_2233	0.1	111
20250622_2243	0.1	210
20250622_2253	0.1	89
20250622_2303	0.1	84
20250622_2313	0.1	85
20250622_2323	0.1	137
20250622_2333	0.1	103
20250622_2343	0.1	121
20250622_2353	0.1	121

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250623_0003	0.1	109
20250623_0013	0.1	109
20250623_0023	0.1	51
20250623_0033	0.1	103
20250623_0043	0.1	50
20250623_0053	0.1	104
20250623_0103	0.1	100
20250623_0113	0.1	78
20250623_0123	0.1	8
20250623_0133	0.1	52
20250623_0143	0.1	349
20250623_0153	0.1	178
20250623_0203	0.1	266
20250623_0213	0.1	346
20250623_0223	0.1	110
20250623_0233	0.1	29
20250623_0243	0.1	49
20250623_0253	0.1	87
20250623_0303	0.1	36
20250623_0313	0.1	338
20250623_0323	0.1	53
20250623_0333	0.1	47
20250623_0343	0.1	39
20250623_0353	0.1	61
20250623_0403	0.1	30
20250623_0413	0.1	5
20250623_0423	0.1	44
20250623_0433	0.1	54
20250623_0443	0.1	42
20250623_0453	0.1	54
20250623_0503	0.1	66
20250623_0513	0.1	79
20250623_0523	0.1	76
20250623_0533	0.1	344
20250623_0543	0.1	105
20250623_0553	0.1	89
20250623_0603	0.1	53
20250623_0613	0.1	5
20250623_0623	0.1	86
20250623_0633	0.1	50
20250623_0643	0.1	59
20250623_0653	0.1	79
20250623_0703	0.1	135
20250623_0713	0.1	135
20250623_0723	0.1	135
20250623_0733	0.6	143
20250623_0743	0.1	85
20250623_0753	0.1	88
20250623_0803	0.1	128
20250623_0813	0.1	254
20250623_0823	0.2	130
20250623_0833	0.7	160
20250623_0843	0.1	124
20250623_0853	0.1	112
20250623_0903	1	152
20250623_0913	0.1	129
20250623_0923	0.1	271
20250623_0933	0.1	141
20250623_0943	0.1	280
20250623_0953	0.1	249
20250623_1003	0.1	70
20250623_1013	0.1	229
20250623_1023	0.1	313
20250623_1033	0.1	288
20250623_1043	1.6	134
20250623_1053	0.1	143
20250623_1103	0.1	195
20250623_1113	0.1	149
20250623_1123	0.1	293
20250623_1133	0.1	271
20250623_1143	0.7	144
20250623_1153	0.1	55

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250623_1203	0.1	282
20250623_1213	1.4	244
20250623_1223	0.1	196
20250623_1233	0.1	219
20250623_1243	0.1	133
20250623_1253	0.2	164
20250623_1303	0.1	120
20250623_1313	0.1	231
20250623_1323	0.1	75
20250623_1333	1.3	175
20250623_1343	0.1	273
20250623_1353	0.3	262
20250623_1403	0.1	66
20250623_1413	1.2	140
20250623_1423	0.1	207
20250623_1433	0.5	138
20250623_1443	0.1	298
20250623_1453	1.3	284
20250623_1503	0.2	164
20250623_1513	0.1	125
20250623_1523	0.1	111
20250623_1533	0.1	142
20250623_1543	0.4	125
20250623_1553	0.1	274
20250623_1603	0.1	69
20250623_1613	1.3	134
20250623_1623	0.4	140
20250623_1633	0.1	39
20250623_1643	0.1	45
20250623_1653	1.1	141
20250623_1703	0.9	257
20250623_1713	0.1	271
20250623_1723	0.6	279
20250623_1733	0.1	138
20250623_1743	0.1	160
20250623_1753	0.1	163
20250623_1803	0.1	272
20250623_1813	0.1	209
20250623_1823	0.1	175
20250623_1833	0.1	144
20250623_1843	0.1	164
20250623_1853	0.1	155
20250623_1903	0.1	142
20250623_1913	0.1	108
20250623_1923	0.1	199
20250623_1933	0.1	143
20250623_1943	0.1	90
20250623_1953	0.1	163
20250623_2003	0.1	66
20250623_2013	0.1	153
20250623_2023	0.1	91
20250623_2033	0.1	107
20250623_2043	0.1	110
20250623_2053	0.1	95
20250623_2103	0.1	236
20250623_2113	0.1	148
20250623_2123	0.1	99
20250623_2133	0.1	77
20250623_2143	0.1	103
20250623_2153	0.1	8
20250623_2203	0.1	30
20250623_2213	0.1	39
20250623_2223	0.1	12
20250623_2233	0.1	32
20250623_2243	0.1	57
20250623_2253	0.1	83
20250623_2303	0.1	83
20250623_2313	0.1	96
20250623_2323	0.1	86
20250623_2333	0.1	169
20250623_2343	0.1	84
20250623_2353	0.1	166

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250624_0003	0.1	284
20250624_0013	0.1	30
20250624_0023	0.1	70
20250624_0033	0.1	89
20250624_0043	0.1	54
20250624_0053	0.1	76
20250624_0103	0.1	33
20250624_0113	0.1	66
20250624_0123	0.1	80
20250624_0133	0.1	28
20250624_0143	0.1	61
20250624_0153	0.1	26
20250624_0203	0.1	8
20250624_0213	0.1	36
20250624_0223	0.1	63
20250624_0233	0.1	94
20250624_0243	0.1	35
20250624_0253	0.1	34
20250624_0303	0.2	348
20250624_0313	0.3	1
20250624_0323	0.1	46
20250624_0333	0.1	9
20250624_0343	0.1	72
20250624_0353	0.1	349
20250624_0403	0.1	82
20250624_0413	0.1	350
20250624_0423	0.1	60
20250624_0433	0.1	36
20250624_0443	0.1	87
20250624_0453	0.1	67
20250624_0503	0.1	9
20250624_0513	0.1	37
20250624_0523	0.1	143
20250624_0533	0.1	345
20250624_0543	0.1	58
20250624_0553	0.1	41
20250624_0603	0.1	137
20250624_0613	0.1	135
20250624_0623	0.1	122
20250624_0633	0.1	122
20250624_0643	0.1	198
20250624_0653	0.1	143
20250624_0703	0.1	143
20250624_0713	0.1	149
20250624_0723	0.1	113
20250624_0733	0.1	132
20250624_0743	0.1	175
20250624_0753	0.1	96
20250624_0803	0.1	125
20250624_0813	0.2	145
20250624_0823	0.1	98
20250624_0833	0.1	90
20250624_0843	0.3	146
20250624_0853	0.1	246
20250624_0903	0.2	256
20250624_0913	0.7	151
20250624_0923	0.4	125
20250624_0933	0.1	114
20250624_0943	0.6	253
20250624_0953	0.2	279
20250624_1003	0.6	136
20250624_1013	0.4	236
20250624_1023	0.1	142
20250624_1033	0.1	173
20250624_1043	0.7	150
20250624_1053	0.2	128
20250624_1103	0.7	94
20250624_1113	0.1	157
20250624_1123	0.4	243
20250624_1133	0.2	135
20250624_1143	0.1	305
20250624_1153	0.1	154

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250624_1203	0.2	132
20250624_1213	0.1	242
20250624_1223	0.9	316
20250624_1233	0.1	197
20250624_1243	0.5	192
20250624_1253	1.3	146
20250624_1303	0.2	271
20250624_1313	0.8	174
20250624_1323	0.1	101
20250624_1333	0.1	118
20250624_1343	0.2	261
20250624_1353	0.1	204
20250624_1403	1.8	40
20250624_1413	0.5	100
20250624_1423	2.3	135
20250624_1433	0.1	334
20250624_1443	2.6	157
20250624_1453	2.9	158
20250624_1503	0.2	153
20250624_1513	0.6	161
20250624_1523	2	43
20250624_1533	3	119
20250624_1543	2	159
20250624_1553	0.7	328
20250624_1603	1	71
20250624_1613	0.1	340
20250624_1623	0.1	121
20250624_1633	0.3	119
20250624_1643	0.1	185
20250624_1653	0.2	80
20250624_1703	0.3	332
20250624_1713	2.4	159
20250624_1723	0.3	18
20250624_1733	0.2	42
20250624_1743	0.2	62
20250624_1753	0.1	87
20250624_1803	0.1	106
20250624_1813	0.4	143
20250624_1823	0.1	139
20250624_1833	0.1	135
20250624_1843	0.1	112
20250624_1853	0.1	124
20250624_1903	0.2	124
20250624_1913	0.4	96
20250624_1923	0.1	114
20250624_1933	0.2	68
20250624_1943	0.1	104
20250624_1953	0.1	91
20250624_2003	0.3	126
20250624_2013	0.3	136
20250624_2023	0.6	110
20250624_2033	0.1	131
20250624_2043	0.5	117
20250624_2053	0.2	77
20250624_2103	0.1	124
20250624_2113	0.1	98
20250624_2123	0.1	20
20250624_2133	0.3	101
20250624_2143	0.1	310
20250624_2153	0.1	286
20250624_2203	0.1	102
20250624_2213	0.1	126
20250624_2223	0.1	1
20250624_2233	0.1	110
20250624_2243	0.2	76
20250624_2253	0.9	108
20250624_2303	0.2	134
20250624_2313	0.1	44
20250624_2323	0.1	44
20250624_2333	0.1	119
20250624_2343	0.1	115
20250624_2353	0.1	115

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250625_0003	0.1	110
20250625_0013	0.1	113
20250625_0023	0.1	59
20250625_0033	0.1	69
20250625_0043	0.1	165
20250625_0053	0.1	150
20250625_0103	0.1	149
20250625_0113	0.1	150
20250625_0123	0.1	86
20250625_0133	0.1	13
20250625_0143	0.1	125
20250625_0153	0.1	48
20250625_0203	0.1	144
20250625_0213	0.1	144
20250625_0223	0.1	92
20250625_0233	0.1	26
20250625_0243	0.1	53
20250625_0253	0.1	66
20250625_0303	0.1	150
20250625_0313	0.1	150
20250625_0323	0.1	150
20250625_0333	0.1	150
20250625_0343	0.1	150
20250625_0353	0.1	150
20250625_0403	0.1	141
20250625_0413	0.1	141
20250625_0423	0.1	141
20250625_0433	0.1	67
20250625_0443	0.1	67
20250625_0453	0.1	67
20250625_0503	0.1	67
20250625_0513	0.1	351
20250625_0523	0.1	135
20250625_0533	0.1	135
20250625_0543	0.1	27
20250625_0553	0.1	38
20250625_0603	0.1	134
20250625_0613	0.1	134
20250625_0623	0.1	134
20250625_0633	0.3	133
20250625_0643	0.1	120
20250625_0653	0.1	123
20250625_0703	0.1	124
20250625_0713	0.1	124
20250625_0723	0.2	137
20250625_0733	0.1	120
20250625_0743	0.1	102
20250625_0753	0.2	110
20250625_0803	0.1	210
20250625_0813	0.3	9
20250625_0823	0.3	36
20250625_0833	0.3	334
20250625_0843	0.1	102
20250625_0853	0.1	80
20250625_0903	0.1	79
20250625_0913	0.4	43
20250625_0923	0.9	327
20250625_0933	0.1	81
20250625_0943	0.9	345
20250625_0953	0.5	36
20250625_1003	0.1	59
20250625_1013	0.1	353
20250625_1023	1.8	75
20250625_1033	1.2	336
20250625_1043	2.5	345
20250625_1053	3.1	348
20250625_1103	1.8	83
20250625_1113	3	25
20250625_1123	0.3	69
20250625_1133	1.6	66
20250625_1143	0.9	336
20250625_1153	8.9	70

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250625_1203	3.1	39
20250625_1213	0.7	0
20250625_1223	2.1	351
20250625_1233	1.9	1
20250625_1243	0.1	80
20250625_1253	1.6	43
20250625_1303	0.5	348
20250625_1313	0.6	19
20250625_1323	0.8	333
20250625_1333	0.4	296
20250625_1343	0.1	269
20250625_1353	2.6	54
20250625_1403	3.3	13
20250625_1413	1.1	18
20250625_1423	3.1	40
20250625_1433	0.9	42
20250625_1443	1.5	9
20250625_1453	0.1	95
20250625_1503	0.4	35
20250625_1513	3.9	10
20250625_1523	0.3	167
20250625_1533	1.5	72
20250625_1543	0.6	330
20250625_1553	0.1	37
20250625_1603	0.1	95
20250625_1613	0.4	4
20250625_1623	1.7	32
20250625_1633	4.3	28
20250625_1643	1.2	79
20250625_1653	0.1	54
20250625_1703	1.7	297
20250625_1713	1.7	14
20250625_1723	2.1	276
20250625_1733	0.2	343
20250625_1743	3.7	343
20250625_1753	0.1	17
20250625_1803	0.1	250
20250625_1813	1.6	50
20250625_1823	0.7	340
20250625_1833	1.9	-1
20250625_1843	0.6	5
20250625_1853	0.2	15
20250625_1903	1.6	23
20250625_1913	0.1	97
20250625_1923	0.5	32
20250625_1933	5.1	54
20250625_1943	1.8	52
20250625_1953	0.9	330
20250625_2003	1.6	33
20250625_2013	1	335
20250625_2023	0.1	344
20250625_2033	1	123
20250625_2043	0.3	352
20250625_2053	0.8	319
20250625_2103	1.9	339
20250625_2113	0.1	31
20250625_2123	0.2	13
20250625_2133	2	12
20250625_2143	0.6	32
20250625_2153	0.1	24
20250625_2203	1.7	334
20250625_2213	0.4	53
20250625_2223	0.4	328
20250625_2233	0.2	5
20250625_2243	3.6	34
20250625_2253	1.3	323
20250625_2303	0.8	51
20250625_2313	0.5	5
20250625_2323	0.1	193
20250625_2333	0.6	86
20250625_2343	1.2	301
20250625_2353	2	314

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250626_0003	0.7	7
20250626_0013	2.5	332
20250626_0023	0.2	238
20250626_0033	0.2	31
20250626_0043	0.7	347
20250626_0053	0.1	341
20250626_0103	0.9	116
20250626_0113	0.1	101
20250626_0123	0.1	315
20250626_0133	0.1	158
20250626_0143	0.4	36
20250626_0153	0.3	269
20250626_0203	0.1	0
20250626_0213	0.4	51
20250626_0223	0.2	16
20250626_0233	0.1	84
20250626_0243	0.2	351
20250626_0253	0.4	96
20250626_0303	0.1	223
20250626_0313	0.1	7
20250626_0323	0.1	119
20250626_0333	0.9	348
20250626_0343	0.1	164
20250626_0353	0.5	34
20250626_0403	0.8	112
20250626_0413	0.1	107
20250626_0423	1.3	123
20250626_0433	3	351
20250626_0443	1.1	44
20250626_0453	0.1	112
20250626_0503	0.1	323
20250626_0513	0.1	155
20250626_0523	0.2	144
20250626_0533	0.1	5
20250626_0543	0.1	77
20250626_0553	2.2	52
20250626_0603	2.6	349
20250626_0613	0.1	89
20250626_0623	0.3	44
20250626_0633	0.1	148
20250626_0643	0.1	324
20250626_0653	0.1	28
20250626_0703	2.5	29
20250626_0713	0.4	65
20250626_0723	0.6	18
20250626_0733	0.2	49
20250626_0743	0.5	120
20250626_0753	0.1	50
20250626_0803	0.1	4
20250626_0813	0.6	128
20250626_0823	0.8	21
20250626_0833	0.1	2
20250626_0843	0.1	206
20250626_0853	0.1	336
20250626_0903	0.1	41
20250626_0913	0.1	348
20250626_0923	0.1	111
20250626_0933	0.1	26
20250626_0943	1.1	58
20250626_0953	0.1	136
20250626_1003	0.1	187
20250626_1013	0.1	174
20250626_1023	1.3	116
20250626_1033	0.1	116
20250626_1043	0.1	16
20250626_1053	0.7	325
20250626_1103	0.4	331
20250626_1113	4.3	26
20250626_1123	0.1	76
20250626_1133	0.1	39
20250626_1143	0.1	3
20250626_1153	0.2	128

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250626_1203	0.3	49
20250626_1213	0.4	328
20250626_1223	0.1	211
20250626_1233	0.5	316
20250626_1243	1.7	131
20250626_1253	0.4	324
20250626_1303	0.1	44
20250626_1313	0.1	176
20250626_1323	0.1	346
20250626_1333	0.1	118
20250626_1343	0.1	287
20250626_1353	1	291
20250626_1403	0.4	338
20250626_1413	3.4	48
20250626_1423	0.9	69
20250626_1433	2.1	138
20250626_1443	0.1	215
20250626_1453	0.4	9
20250626_1503	1.7	66
20250626_1513	3.5	18
20250626_1523	0.4	350
20250626_1533	0.4	20
20250626_1543	0.2	349
20250626_1553	0.1	23
20250626_1603	0.1	336
20250626_1613	0.1	327
20250626_1623	0.1	302
20250626_1633	0.9	352
20250626_1643	3.8	48
20250626_1653	0.1	237
20250626_1703	3.4	39
20250626_1713	1.1	289
20250626_1723	0.3	69
20250626_1733	0.1	54
20250626_1743	0.6	58
20250626_1753	0.1	20
20250626_1803	0.1	343
20250626_1813	0.4	112
20250626_1823	0.1	68
20250626_1833	0.1	189
20250626_1843	0.1	57
20250626_1853	0.1	124
20250626_1903	0.1	337
20250626_1913	0.3	97
20250626_1923	0.1	49
20250626_1933	0.2	65
20250626_1943	0.1	351
20250626_1953	1.5	292
20250626_2003	0.8	57
20250626_2013	0.9	104
20250626_2023	0.1	344
20250626_2033	0.6	22
20250626_2043	0.1	352
20250626_2053	0.1	338
20250626_2103	0.4	73
20250626_2113	1.7	96
20250626_2123	2.4	346
20250626_2133	0.6	307
20250626_2143	0.1	155
20250626_2153	0.5	138
20250626_2203	0.1	26
20250626_2213	0.1	212
20250626_2223	0.1	275
20250626_2233	3.5	11
20250626_2243	0.3	307
20250626_2253	0.1	350
20250626_2303	0.2	106
20250626_2313	0.1	16
20250626_2323	1	128
20250626_2333	0.1	332
20250626_2343	0.1	60
20250626_2353	0.1	3

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250627_0003	0.2	319
20250627_0013	2.2	101
20250627_0023	0.1	128
20250627_0033	0.1	166
20250627_0043	1.5	123
20250627_0053	0.1	348
20250627_0103	0.1	39
20250627_0113	0.1	336
20250627_0123	0.1	337
20250627_0133	0.1	175
20250627_0143	0.1	326
20250627_0153	0.1	129
20250627_0203	0.1	238
20250627_0213	0.1	274
20250627_0223	0.1	300
20250627_0233	0.1	260
20250627_0243	0.1	340
20250627_0253	0.1	323
20250627_0303	0.1	62
20250627_0313	0.1	56
20250627_0323	0.1	29
20250627_0333	0.1	25
20250627_0343	0.1	117
20250627_0353	0.1	123
20250627_0403	0.1	120
20250627_0413	0.1	110
20250627_0423	0.1	131
20250627_0433	0.1	125
20250627_0443	0.1	175
20250627_0453	0.1	130
20250627_0503	0.1	140
20250627_0513	0.1	81
20250627_0523	0.1	93
20250627_0533	0.1	45
20250627_0543	0.1	91
20250627_0553	0.1	115
20250627_0603	0.1	107
20250627_0613	0.1	126
20250627_0623	0.1	69
20250627_0633	0.1	97
20250627_0643	0.1	98
20250627_0653	0.1	107
20250627_0703	0.1	347
20250627_0713	0.1	138
20250627_0723	0.1	38
20250627_0733	0.1	108
20250627_0743	0.1	158
20250627_0753	0.1	48
20250627_0803	0.1	48
20250627_0813	0.1	127
20250627_0823	0.1	125
20250627_0833	0.1	134
20250627_0843	0.1	124
20250627_0853	0.1	205
20250627_0903	0.1	20
20250627_0913	0.3	336
20250627_0923	0.1	310
20250627_0933	0.1	19
20250627_0943	0.1	220
20250627_0953	0.5	84
20250627_1003	0.2	31
20250627_1013	0.1	286
20250627_1023	0.1	38
20250627_1033	0.1	308
20250627_1043	0.6	68
20250627_1053	0.5	351
20250627_1103	0.4	44
20250627_1113	0.9	15
20250627_1123	0.6	3
20250627_1133	1.5	326
20250627_1143	0.6	24
20250627_1153	0.1	258

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250627_1203	0.1	113
20250627_1213	0.1	76
20250627_1223	0.1	35
20250627_1233	0.1	119
20250627_1243	0.1	76
20250627_1253	0.1	112
20250627_1303	0.1	128
20250627_1313	0.1	234
20250627_1323	0.1	162
20250627_1333	0.1	147
20250627_1343	0.2	143
20250627_1353	0.1	113
20250627_1403	0.1	120
20250627_1413	0.1	135
20250627_1423	1.6	6
20250627_1433	0.1	185
20250627_1443	0.5	60
20250627_1453	0.1	49
20250627_1503	0.4	8
20250627_1513	0.1	130
20250627_1523	0.1	12
20250627_1533	1.6	344
20250627_1543	1.1	335
20250627_1553	0.1	94
20250627_1603	0.1	101
20250627_1613	1	24
20250627_1623	2.7	354
20250627_1633	1.2	2
20250627_1643	1.1	41
20250627_1653	0.6	158
20250627_1703	0.8	14
20250627_1713	0.2	284
20250627_1723	0.1	299
20250627_1733	0.1	54
20250627_1743	0.3	337
20250627_1753	0.1	261
20250627_1803	0.1	20
20250627_1813	0.1	146
20250627_1823	0.1	125
20250627_1833	0.1	85
20250627_1843	0.1	185
20250627_1853	0.1	124
20250627_1903	0.8	27
20250627_1913	0.1	114
20250627_1923	0.1	167
20250627_1933	0.9	12
20250627_1943	0.1	62
20250627_1953	0.1	351
20250627_2003	0.1	7
20250627_2013	0.1	126
20250627_2023	0.1	258
20250627_2033	0.1	292
20250627_2043	0.1	160
20250627_2053	0.1	125
20250627_2103	0.1	120
20250627_2113	0.1	290
20250627_2123	0.2	117
20250627_2133	0.1	7
20250627_2143	0.1	141
20250627_2153	0.1	31
20250627_2203	1	38
20250627_2213	0.5	144
20250627_2223	0.3	86
20250627_2233	0.2	72
20250627_2243	0.1	120
20250627_2253	0.1	108
20250627_2303	0.1	236
20250627_2313	0.1	306
20250627_2323	0.4	349
20250627_2333	0.1	341
20250627_2343	0.1	4
20250627_2353	0.1	86

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250628_0003	10.9	24
20250628_0013	2.1	15
20250628_0023	0.1	154
20250628_0033	0.3	140
20250628_0043	0.1	278
20250628_0053	0.1	112
20250628_0103	0.1	270
20250628_0113	0.1	151
20250628_0123	0.1	120
20250628_0133	0.1	163
20250628_0143	0.1	311
20250628_0153	0.1	147
20250628_0203	0.1	71
20250628_0213	0.6	111
20250628_0223	0.1	286
20250628_0233	0.1	142
20250628_0243	0.2	341
20250628_0253	0.1	29
20250628_0303	0.1	293
20250628_0313	0.1	163
20250628_0323	0.3	109
20250628_0333	0.1	259
20250628_0343	0.1	297
20250628_0353	0.1	190
20250628_0403	0.1	91
20250628_0413	0.1	16
20250628_0423	0.1	5
20250628_0433	0.1	100
20250628_0443	2.1	39
20250628_0453	0.3	31
20250628_0503	0.1	155
20250628_0513	0.5	37
20250628_0523	0.3	12
20250628_0533	0.1	339
20250628_0543	0.1	133
20250628_0553	0.1	157
20250628_0603	0.1	90
20250628_0613	0.1	288
20250628_0623	0.1	117
20250628_0633	0.1	45
20250628_0643	0.1	137
20250628_0653	0.2	322
20250628_0703	0.1	333
20250628_0713	0.1	125
20250628_0723	0.1	152
20250628_0733	0.2	322
20250628_0743	0.1	250
20250628_0753	0.1	59
20250628_0803	0.5	259
20250628_0813	0.1	269
20250628_0823	0.1	298
20250628_0833	0.1	280
20250628_0843	0.1	347
20250628_0853	0.1	43
20250628_0903	0.3	296
20250628_0913	0.1	35
20250628_0923	0.7	25
20250628_0933	0.1	66
20250628_0943	0.1	308
20250628_0953	0.1	345
20250628_1003	0.1	45
20250628_1013	0.1	141
20250628_1023	0.1	352
20250628_1033	0.1	91
20250628_1043	0.1	346
20250628_1053	0.1	114
20250628_1103	0.1	38
20250628_1113	0.1	108
20250628_1123	0.1	119
20250628_1133	0.1	341
20250628_1143	0.1	151
20250628_1153	0.1	23

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250628_1203	0.1	129
20250628_1213	0.1	124
20250628_1223	0.1	132
20250628_1233	0.1	264
20250628_1243	0.1	112
20250628_1253	0.1	26
20250628_1303	0.1	114
20250628_1313	0.2	30
20250628_1323	0.1	302
20250628_1333	0.1	349
20250628_1343	1.5	27
20250628_1353	1.1	41
20250628_1403	1.5	40
20250628_1413	0.3	44
20250628_1423	0.2	1
20250628_1433	1.7	338
20250628_1443	3.7	84
20250628_1453	3.2	13
20250628_1503	0.7	342
20250628_1513	1.5	26
20250628_1523	6.9	27
20250628_1533	4.3	50
20250628_1543	2	24
20250628_1553	0.8	39
20250628_1603	0.1	268
20250628_1613	3.4	76
20250628_1623	1.6	16
20250628_1633	1.8	33
20250628_1643	2	33
20250628_1653	6.8	348
20250628_1703	0.9	10
20250628_1713	1.4	45
20250628_1723	0.7	44
20250628_1733	0.1	13
20250628_1743	0.3	41
20250628_1753	1.8	87
20250628_1803	0.2	16
20250628_1813	0.7	0
20250628_1823	0.1	53
20250628_1833	0.1	133
20250628_1843	0.1	130
20250628_1853	0.1	158
20250628_1903	0.1	102
20250628_1913	0.1	127
20250628_1923	0.1	25
20250628_1933	0.1	11
20250628_1943	0.1	345
20250628_1953	0.1	262
20250628_2003	0.1	160
20250628_2013	0.1	141
20250628_2023	0.1	120
20250628_2033	0.1	60
20250628_2043	0.1	177
20250628_2053	0.1	102
20250628_2103	0.1	122
20250628_2113	0.1	49
20250628_2123	0.1	110
20250628_2133	0.5	33
20250628_2143	0.1	229
20250628_2153	0.1	16
20250628_2203	0.2	57
20250628_2213	0.1	154
20250628_2223	1	342
20250628_2233	0.1	96
20250628_2243	0.1	34
20250628_2253	0.1	101
20250628_2303	0.1	74
20250628_2313	0.1	74
20250628_2323	0.2	18
20250628_2333	0.1	119
20250628_2343	0.1	78
20250628_2353	0.1	123

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250629_0003	0.1	126
20250629_0013	0.1	112
20250629_0023	0.1	128
20250629_0033	0.1	90
20250629_0043	0.1	272
20250629_0053	0.1	246
20250629_0103	0.1	305
20250629_0113	0.1	48
20250629_0123	0.1	122
20250629_0133	0.1	121
20250629_0143	0.1	270
20250629_0153	0.1	124
20250629_0203	0.1	74
20250629_0213	0.1	99
20250629_0223	0.1	125
20250629_0233	0.1	105
20250629_0243	0.1	185
20250629_0253	0.1	19
20250629_0303	0.1	102
20250629_0313	0.1	56
20250629_0323	0.1	122
20250629_0333	0.1	45
20250629_0343	0.1	73
20250629_0353	0.1	133
20250629_0403	0.1	150
20250629_0413	0.1	105
20250629_0423	0.1	350
20250629_0433	0.1	130
20250629_0443	0.1	80
20250629_0453	0.1	80
20250629_0503	0.1	66
20250629_0513	0.1	117
20250629_0523	0.1	40
20250629_0533	0.1	122
20250629_0543	0.1	343
20250629_0553	0.1	50
20250629_0603	0.1	44
20250629_0613	0.1	269
20250629_0623	0.1	4
20250629_0633	0.1	318
20250629_0643	0.1	246
20250629_0653	0.1	136
20250629_0703	0.1	142
20250629_0713	0.1	140
20250629_0723	0.1	146
20250629_0733	0.1	10
20250629_0743	0.1	52
20250629_0753	1	25
20250629_0803	0.2	228
20250629_0813	1.8	202
20250629_0823	0.2	342
20250629_0833	0.1	18
20250629_0843	0.1	120
20250629_0853	0.1	149
20250629_0903	0.7	4
20250629_0913	0.1	109
20250629_0923	0.2	37
20250629_0933	0.2	78
20250629_0943	2.3	62
20250629_0953	0.4	50
20250629_1003	0.1	82
20250629_1013	0.7	0
20250629_1023	1.3	23
20250629_1033	3.4	350
20250629_1043	1.4	60
20250629_1053	0.8	11
20250629_1103	1.3	1
20250629_1113	3.4	344
20250629_1123	0.3	108
20250629_1133	2.2	49
20250629_1143	3.1	51
20250629_1153	1.6	26

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250629_1203	3.2	37
20250629_1213	0.2	67
20250629_1223	0.2	342
20250629_1233	0.2	147
20250629_1243	1	343
20250629_1253	1.2	1
20250629_1303	3.1	95
20250629_1313	1	343
20250629_1323	0.2	255
20250629_1333	0.1	57
20250629_1343	0.1	301
20250629_1353	0.1	292
20250629_1403	0.1	337
20250629_1413	0.1	36
20250629_1423	1.6	351
20250629_1433	0.1	74
20250629_1443	0.1	179
20250629_1453	1	333
20250629_1503	0.4	1
20250629_1513	0.1	162
20250629_1523	0.3	353
20250629_1533	0.3	16
20250629_1543	2.9	32
20250629_1553	1.4	23
20250629_1603	1.7	156
20250629_1613	0.1	56
20250629_1623	0.3	344
20250629_1633	0.1	343
20250629_1643	4.4	37
20250629_1653	0.9	348
20250629_1703	0.1	78
20250629_1713	0.5	128
20250629_1723	0.1	43
20250629_1733	0.3	75
20250629_1743	0.1	89
20250629_1753	1.7	128
20250629_1803	0.7	4
20250629_1813	0.1	184
20250629_1823	0.1	186
20250629_1833	1.4	348
20250629_1843	0.1	70
20250629_1853	1.4	347
20250629_1903	2.9	322
20250629_1913	1.3	25
20250629_1923	0.1	117
20250629_1933	0.1	115
20250629_1943	0.5	80
20250629_1953	0.2	117
20250629_2003	0.4	70
20250629_2013	1.5	345
20250629_2023	0.1	265
20250629_2033	0.5	190
20250629_2043	0.1	39
20250629_2053	0.1	24
20250629_2103	0.1	267
20250629_2113	0.1	121
20250629_2123	0.3	98
20250629_2133	3.2	192
20250629_2143	0.1	128
20250629_2153	0.2	125
20250629_2203	0.1	87
20250629_2213	0.3	45
20250629_2223	1.1	351
20250629_2233	0.1	313
20250629_2243	0.1	162
20250629_2253	1.5	66
20250629_2303	0.8	17
20250629_2313	0.4	110
20250629_2323	0.1	81
20250629_2333	2.6	80
20250629_2343	0.9	0
20250629_2353	0.1	8

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250630_0003	1	57
20250630_0013	0.6	328
20250630_0023	0.1	87
20250630_0033	0.1	199
20250630_0043	0.1	343
20250630_0053	0.6	68
20250630_0103	0.1	349
20250630_0113	0.1	24
20250630_0123	0.1	312
20250630_0133	0.1	102
20250630_0143	0.1	14
20250630_0153	0.1	331
20250630_0203	2.2	344
20250630_0213	0.1	90
20250630_0223	1.6	89
20250630_0233	0.2	348
20250630_0243	0.1	173
20250630_0253	0.8	127
20250630_0303	0.1	29
20250630_0313	0.1	101
20250630_0323	0.1	58
20250630_0333	0.1	121
20250630_0343	0.1	109
20250630_0353	0.1	54
20250630_0403	0.1	139
20250630_0413	0.2	139
20250630_0423	0.1	113
20250630_0433	1.1	3
20250630_0443	1.4	308
20250630_0453	0.1	120
20250630_0503	0.1	22
20250630_0513	0.1	186
20250630_0523	0.1	62
20250630_0533	0.1	98
20250630_0543	0.3	34
20250630_0553	0.1	23
20250630_0603	0.1	221
20250630_0613	0.1	127
20250630_0623	0.4	83
20250630_0633	0.1	350
20250630_0643	0.1	45
20250630_0653	0.1	156
20250630_0703	0.1	104
20250630_0713	0.1	139
20250630_0723	0.1	120
20250630_0733	0.1	127
20250630_0743	0.1	132
20250630_0753	0.2	353
20250630_0803	0.1	113
20250630_0813	0.1	144
20250630_0823	0.1	150
20250630_0833	0.1	106
20250630_0843	0.1	144
20250630_0853	0.1	71
20250630_0903	0.1	83
20250630_0913	0.5	103
20250630_0923	0.2	327
20250630_0933	0.1	124
20250630_0943	0.1	205
20250630_0953	0.1	146
20250630_1003	0.2	79
20250630_1013	7.5	44
20250630_1023	1	10
20250630_1033	0.1	42
20250630_1043	1.7	59
20250630_1053	0.2	346
20250630_1103	0.3	2
20250630_1113	0.6	72
20250630_1123	0.1	116
20250630_1133	3	53
20250630_1143	1.7	42
20250630_1153	0.5	269

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250630_1203	0.4	44
20250630_1213	0.4	2
20250630_1223	0.4	343
20250630_1233	0.5	351
20250630_1243	0.8	42
20250630_1253	1.4	45
20250630_1303	0.1	93
20250630_1313	1	297
20250630_1323	0.1	337
20250630_1333	0.3	162
20250630_1343	1.8	351
20250630_1353	0.1	313
20250630_1403	0.1	312
20250630_1413	0.4	308
20250630_1423	0.2	6
20250630_1433	1	7
20250630_1443	1.7	320
20250630_1453	0.1	42
20250630_1503	0.9	182
20250630_1513	0.1	138
20250630_1523	3.1	52
20250630_1533	3	31
20250630_1543	1	33
20250630_1553	0.3	30
20250630_1603	5.4	348
20250630_1613	0.2	294
20250630_1623	0.9	341
20250630_1633	1.7	7
20250630_1643	2	43
20250630_1653	0.1	115
20250630_1703	1.1	1
20250630_1713	2.7	85
20250630_1723	0.5	6
20250630_1733	0.1	72
20250630_1743	1.2	351
20250630_1753	0.5	13
20250630_1803	7.2	341
20250630_1813	0.2	18
20250630_1823	1.6	299
20250630_1833	0.9	304
20250630_1843	0.1	38
20250630_1853	1.6	109
20250630_1903	0.1	47
20250630_1913	0.1	267
20250630_1923	0.9	341
20250630_1933	0.1	80
20250630_1943	0.1	143
20250630_1953	0.3	155
20250630_2003	0.5	100
20250630_2013	0.4	135
20250630_2023	0.8	59
20250630_2033	0.2	280
20250630_2043	0.1	144
20250630_2053	0.1	289
20250630_2103	0.1	41
20250630_2113	1.8	302
20250630_2123	0.1	121
20250630_2133	0.1	141
20250630_2143	0.1	93
20250630_2153	0.1	135
20250630_2203	0.4	110
20250630_2213	0.1	165
20250630_2223	0.1	153
20250630_2233	0.1	148
20250630_2243	0.1	91
20250630_2253	0.1	59
20250630_2303	2.2	114
20250630_2313	0.1	0
20250630_2323	0.2	128
20250630_2333	0.1	147
20250630_2343	0.1	261
20250630_2353	0.1	289

Appendix J Waste Flow Table

Waste Flow Table

Month	Total Quantity Generated	Total Quantities of Inert C&D Materials to be Generated from the Contract					Total Quantities of Recyclables Generation				Total Quantities of C&D Materials to be Generated from the Contract		
		Hard Rock and Large Broken Concrete	Reused in the Contract	Reused in Other Projects	Disposed as Public Fill	Imported Fill	Metals	Paper / Cardboard Packaging	Plastics	Yard Waste (to Y-Park)	Chemical Waste	General Refuse	Others, e.g. non-recyclable yard waste
	(in tonne)	(in tonne)	(in tonne)	(in tonne)	(in tonne)	(in tonne)	(in tonne)	(in tonne)	(in tonne)	(in tonne)	(in '000L)	(in tonne)	(in tonne)
Jan-25	168,646.98	0	48361.85	119,302	0	849.35	0	0	0	0	0	57.76	76.02
Feb-25	289,409.40	0	120705.57	168,201	0	115.28	0	0	0	0	0	241.88	145.67
Mar-25	206,271.43	0	52172.73	153,388	0	418.2	0	0	0	0	0	156.26	136.24
Apr-25	192,901.99	0	62122.45	129,495	0	1121.65	0	0	0	0	0	118.11	45.03
May-25	214,400.19	0	79056.7	134,473	0	648.15	0	0	0	0	0	222.34	0
Jun-25	107,274.99	0	43268.36	63,736	0	18.75	0	0	0	0	0	185.82	66.06
Total	#NAME?	0.00	405,687.66	768,594.75	0.00	3,171.38	0.00	0.00	0.00	0.00	0.00	982.17	469.02

Note:

1. The waste flow table shall also include C&D materials that are specified in the Contract to be imported for use at the Site.
2. Plastics refer to plastic bottles/containers, plastic sheets/foam from packaging material.

Appendix K Joint Environmental Site Inspection Records

Follow up action for previous Site Inspection:

1. 19 May 2025 Observation 1 – The accumulated waste was collected by approved waste collector.
2. 19 May 2025 Observation 2 – The water spraying was implemented when the breaking works were conducted.
3. 19 May 2025 Observation 3 – The watering was implemented by the Contractor.
4. 19 May 2025 Observation 4 – The standing water at the U-channel of Portion A was cleaned up by the Contractor.
5. 26 May 2025 Observation 1 – The standing water was cleaned up by the Contractor.
6. 2 Jun 2025 Observation 1 – The watering was implemented at the access road at Portion E4.

Observation(s):

1. Access road at Portion E4 was dry and dust dispersion was found.
2. Standing water was found at Portion E4.
3. The damage of earth bunds at Shek Tsai Ha Road were found.

Reminder(s):

1. The Contractor was reminded that the control measures of surface runoff should be implemented in accordance with Appendix A2 of ProPECC PN 1/94.

Corrective Actions – Mitigation Measures Implemented or Proposed (if any):

1. The Contractor was recommended to increase the frequency of watering at unpaved haul road.
2. The Contractor was advised to clean up the standing water.
3. The Contractor was recommended to repair the earth bunds along the Shek Tsai Ha Road.

	Environmental Team's Representative:	Independent Environmental Checker's Representative:	Contractor's Representative:	Employee's Representative
Signature:		/		
Name:	Jason Man	/	Matt Choy/~~Kristy~~ Wong	Simon Lee/ ~~Kenneth~~ Lam
Date:	2 June 2025	/	2 June 2025	2 June 2025

Follow up action for previous Site Inspection:

1. 26 May 2025 Observation 2 – The accumulated waste at Portion A was removed by the Contractor.
2. 2 June 2025 Observation 2 – The standing water at Portion E4 was removed by the Contractor.
3. 2 June 2025 Observation 3 – The damage of earth bunds at Shek Tsai Ha Road had been fixed by the Contractor.

Observation(s):

1. Chemical Containers without drip tray was found at Portion A.

Reminder(s):

1. The Contractor was reminded that the control measures of surface runoff should be implemented in accordance with Appendix A2 of ProPECC PN 1/94.

Corrective Actions – Mitigation Measures Implemented or Proposed (if any):

1. The Contractor was advised the chemical containers should be placed on the drip tray.

	Environmental Team's Representative:	Independent Environmental Checker's Representative:	Contractor's Representative:	Employee's Representative
Signature:		/		
Name:	Jason Man	/	Matt Choy/~~Kristy Wong~~	~~Simon Lee/~~ Kenneth Lam
Date:	9 June 2025	/	9 June 2025	9 June 2025

Follow up action for previous Site Inspection:

Nil

Observation(s):

1. Standing water was found at the access road near 60 mPD Platform of Portion A.
2. Accumulation of waste was found at 60 mPD Platform, access road near 50 mPD Platform of Portion A and Portion E4.

Reminder(s):

1. The Contractor was reminded that the control measures of surface runoff should be implemented in accordance with Appendix A2 of ProPECC PN 1/94.

Corrective Actions – Mitigation Measures Implemented or Proposed (if any):

1. The Contractor was recommended that the rainwater at the access road near 60 mPD Platform of Portion A should be pumped to silt removal facility for treatment.
2. The Contractor was advised that the frequency of collection of general refuse and C&D Materials should be increased at Portion A and E4.

	Environmental Team's Representative:	Independent Environmental Checker's Representative:	Contractor's Representative:	Employee's Representative
Signature:				
Name:	Jason Man	Echo Hung	~~Matt Choy~~/Kristy Wong	Simon Lee/ ~~Kenneth Lam~~
Date:	17 June 2025	17 June 2025	17 June 2025	17 June 2025

Follow up action for previous Site Inspection:

1. 9 June 2025 Observation 1 – The drip tray was provided under the chemical containers at Portion A.
2. 17 June 2025 Observation 1 – The standing water at the access road near 60 mPD Platform of Portion A was removed by the Contractor.
3. 17 June 2025 Observation 2 – The accumulated waste at access road near 50 mPD Platform of Portion A & Portion E4 had been removed by the Contractor. Waste skip was provided by the Contractor at Portion A.

Observation(s):

1. Accumulated waste was found on Platform 55 mPD of Portion A.
2. Standing water was found on Platform 55 mPD of Portion A.

Reminder(s):

1. The Contractor was reminded that the control measures of surface runoff should be implemented in accordance with Appendix A2 of ProPECC PN 1/94.

Corrective Actions – Mitigation Measures Implemented or Proposed (if any):

1. The Contractor was recommended to remove the accumulated waste regularly.
2. The Contractor was advised to direct the standing water to silt removal facility for treatment.

	Environmental Team's Representative:	Independent Environmental Checker's Representative:	Contractor's Representative:	Employee's Representative
Signature:		/		
Name:	Jason Man	/	Matt Choy/~~Kristy Wong~~	~~Simon Lee~~/ Kenneth Lam
Date:	23 June 2025	/	23 June 2025	23 June 2025

Follow up action for previous Site Inspection:

1. 23 June 2025 Observation 1 – The accumulated waste at Portion A was removed by the Contractor.
2. 23 June 2025 Observation 2 – The standing water on Platform 55 mPD of Portion A was cleaned up by the Contractor.
3. 30 June 2025 Observation 1 – The accumulated waste at Portion D was removed by the Contractor.

Observation(s):

1. Accumulated Waste was found at Portion D.
2. Damage of earth bunds was found at Shek Tsui Ha Road.

Reminder(s):

1. The Contractor was reminded that the control measures of surface runoff should be implemented in accordance with Appendix A2 of ProPECC PN 1/94.

    I. Precautions to be taken at any time of year when rainstorms are likely

    a. Silt removal facilities, channels and manholes should be maintained and the deposited silt and grit should be removed regularly.
    b. Temporarily exposed slope surfaces should be covered e.g. by tarpaulin.
    c. Temporary access roads should be protected by crushed stone or gravel.
    d. Intercepting channels should be provided (e.g. along the crest/edge of excavation) to prevent storm runoff from washing across exposed soil surfaces.
    e. Trenches should be dug and backfilled in short sections. Measures should be taken to minimize the ingress of rainwater into trenches.

    II. Actions to be taken when a rainstorm is imminent or forecast

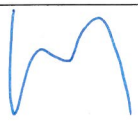
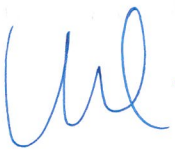
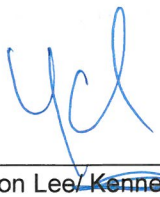
    a. Silt removal facilities, channels and manholes should be checked to ensure that they can function properly.
    b. Open stockpiles of construction materials (e.g. aggregates, sand and fill materials) on site should be covered with tarpaulin or similar fabric.
    c. All temporary covers to slopes and stockpiles should be secured.

    III. Actions to be taken during or after rainstorms

    a. Silt removal facilities, channels and manholes should be checked and maintained to ensure satisfactory working conditions. Attention should be given to safety when carrying out this work.
2. The Contractor was reminded to check the status of channels, earth bunds or sandbag barriers to ensure the construction runoff can be directed to silt removal facilities for treatment properly.

Corrective Actions – Mitigation Measures Implemented or Proposed (if any):

1. The Contractor was recommended to remove the general refuse and C&D Materials regularly.
2. The Contractor was advised to repair the earth bunds and review the status of earth bunds regularly to ensure the effectiveness of earth bunds.

	Environmental Team's Representative:	Independent Environmental Checker's Representative:	Contractor's Representative:	Employee's Representative
Signature:		/		
Name:	Jason Man	/	~~Matt Choy~~/Kristy Wong	Simon Lee/ ~~Kenneth~~ Lam
Date:	30 June 2025	/	30 June 2025	30 June 2025

Appendix L Environmental Mitigation Implementation Schedule (EMIS)

EIA Ref.	EM&A Log Ref.	Weekly Site Inspection Item	Recommended Precautionary/Mitigation Measures (to be implemented when the trigger level is exceeded, where necessary)	Objectives of the Recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	What requirement or standards for the measures to achieve?	Status
Air Quality								
S3.8.1	S3.1.8	B7 – B36	The contractor shall follow the procedures and requirements given in the Air Pollution Control (Construction Dust) Regulation.	Good construction site practices to control the dust impact at the nearby sensitive receivers to within the relevant criteria.	Contractor	Entire NENT Landfill Extension site	To control the dust impact to within the criteria of EIA Report (Register No. AEIAR-111/2007)	✓
		B4, B15 & B18	• Dust emission from construction vehicle movement is confined within the worksites area.					✓
		B11 – B12	• Watering facilities will be provided at every designated vehicular exit point.					Vehicle washing facilities provided at vehicular exit point in Portion A, B1-2, D, E3-1 & E4
		-	• Good site practice is recommended during construction phase.					✓
Construction Noise								
S4	S4.9	C1	1) Use of good site practices to limit noise emissions by considering the following: (a) Only well-maintained plant should be operated on-site and plant should be serviced regularly during the construction programme;	Control construction airborne noise by means of good site practices	Contractor	Entire construction site	Noise Control Ordinance	✓
		C2	(b) Machines and plant (such as trucks, cranes) that may be in intermittent use should be shut down between work periods or should be throttled down to a minimum;					✓
		C3	(c) Plant known to emit noise strongly in one direction, where possible, be orientated so that the noise is directed away from nearby NSRs;					✓
		C4	(d) Silencers or mufflers on construction equipment should be properly fitted and maintained during the construction works;					N/A
		C5	(e) Mobile plant should be sited as far away from NSRs as possible and practicable;					✓
		C6	(f) Material stockpiles, mobile container site officer and other structures should be effectively utilised, where practicable, to screen noise from on-site construction activities.					✓
S4	S4.9	C11 – C13	2) Select “Quiet plants” which comply with the BS 5228 Part 1 or TM standards.	Reduce the noise levels of plant items	Contractor	Entire construction site	Noise Control Ordinance & its TM Annex 5, TM-EIA	✓
Construction Runoff								
S5.8.1	S5.2.1	D1	<u>Construction on Site Runoff</u> • (a) At the start of site establishment, perimeter cut-off drains to direct off-site water around the site should be constructed with internal drainage works and erosion and sedimentation control facilities implemented. (b) Channels (both temporary and permanent drainage pipes and culverts), earth bunds or sand bag barriers should be provided on site to direct stormwater to silt removal facilities.	Control construction runoff and erosion from site surface, drainage channel, stockpiles, wheel washing facilities, etc to minimize water quality during construction stage	Contractor	Entire Construction site	ProPECC PN 1/94 Water Pollution Control Ordinance	(a) ✓ (b) ✓
		D2	(a) The dikes or embankments for flood protection should be implemented around the boundaries of earthwork areas. (b) Temporary ditches should be provided to facilitate the runoff discharge into an appropriate watercourse, through a silt/sediment trap. (c) The sediment/silt traps should be incorporated in the permanent drainage channels to enhance deposition rates.					(a) ✓ (b) ✓ (c) ✓
		D3	The design of efficient silt removal facilities should be based on the guidelines in Appendix A1 of ProPECC PN 1/94, which states that the retention time for silts and sediment traps should be 5 minutes under maximum flow conditions.					✓
		D4	(a) Construction works should be programmed to minimize surface excavation works during the rainy seasons (April to September). (b) All exposed earth areas should be completed and vegetated as soon as possible after earthworks have been completed, or alternatively, within 14 days of the cessation of earthworks where practicable. (c) If excavation of soil cannot be avoided during the rainy season, or at any time of year when rainstorms are likely, exposed slope surfaces should be covered by tarpaulin or other means.					(a) ✓ (b) ✓ (c) ✓

Remarks:

✓	Compliance of mitigation measure
*	Recommendation was made during site audit but improved/rectified by the contractor
#	Recommendation was made during site audit but not yet improved/rectified by the contractor.
N/A	Not Applicable at this stage were conducted in the reporting period.
@ (Which measure)	Alternative measure was made by the contractor.

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Construction Runoff (Cont'd)								
S5.8.1	S5.2.1	D5	• (a) The overall slope of the site should be kept to a minimum to reduce the erosive potential of surface water flows, and (b) all traffic areas and access roads protected by coarse stone ballast. An additional advantage accruing from the use of crushed stone is the positive traction gained during prolonged periods of inclement weather and the reduction of surface sheet flows.	Control construction runoff and erosion from site surface, drainage channel, stockpiles, wheel washing facilities, etc to minimize water quality during construction stage	Contractor	Entire Construction site	ProPECC PN 1/94 DSD Technical Circular TC01/2017 Water Pollution Control Ordinance	(a) ✓ (b) ✓
		D6	• (a) All drainage facilities and erosion and sediment control structures should be regularly inspected and (b) maintained to ensure proper and efficient operation at all times and particularly following rainstorms. (c) Deposited silt and grit should be removed regularly and disposed of by spreading evenly over stable, vegetated areas.					(a) ✓, All drainage facilities and erosion and sediment control structure had been inspected by Contractor regularly and especially after rainstorm. (b) ✓, All drainage facilities and erosion and sediment control structure had been maintained by Contractor regularly and especially after rainstorm. (c) ✓, Deposited silt and grit had been removed regularly and especially after rainstorm.
		D7	• (a) Measures should be taken to minimise the ingress of site drainage into excavations. If the excavation of trenches in wet periods is necessary, they should be dug and backfilled in short sections wherever practicable. (b) Water pumped out from trenches or foundation excavations should be discharged into storm drains via silt removal facilities.					(a) ✓ (b) ✓
		D8	• Open stockpiles of construction materials (for example, aggregates, sand and fill material) of more than 50 m^3 should be covered with tarpaulin or similar fabric during rainstorms. Measures should be taken to prevent the washing away of construction materials, soil, silt or debris into any drainage system.					✓
		D9	• (a) Manholes (including newly constructed ones) should always be adequately covered and temporarily sealed so as (b) to prevent silt, construction materials or debris being washed into the drainage system and storm runoff being directed into foul sewers.					(a) ✓ (b) ✓
		D10	• Precautions to be taken at any time of year when rainstorms are likely, actions to be taken when a rainstorm is imminent or forecasted, and actions to be taken during or after rainstorms are summarised in Appendix A2 of ProPECC PN 1/94. Particular attention should be paid to the control of silly surface runoff during storm events, especially for areas located near steep slopes.					✓
		D11	• (a) All vehicles and plant should be cleaned before leaving a construction site to ensure no earth, mud, debris and the like is deposited by them on roads. (b) An adequately designed and sited wheel washing bay should be provided at every construction site exit. (c) Wash-water should have sand and silt settled out and removed at least on a weekly basis (d) to ensure the continued efficiency of the process. (e) The section of access road leading to, and exiting from, the wheel-wash bay to the public road should be paved with sufficient backfall toward the wheel-wash bay to prevent vehicle tracking of soil and silly water to public roads and drains.					(a) ✓ (b) ✓ (c) ✓ (d) ✓ (e) ✓
		D12	• (a) Oil interceptors should be provided in the site drainage system downstream of any oil/fuel pollution sources. (b) The oil interceptors should be emptied and cleaned regularly to prevent the release of oil and grease into the storm water drainage system after accidental spillage. (c) A bypass should be provided for the oil interceptors to prevent flushing during heavy rain.					(a) N/A (b) N/A (c) N/A
		D13	• Construction solid waste, debris and rubbish on site should be collected, handled and disposed of properly to avoid water quality impacts. Requirements for solid waste management are detailed in Section 6 of this Report.					✓
		D14	• All fuel tanks and storage areas should be provided with docks and sited on sealed areas, within bunds of a capacity equal to 110% of the storage capacity of the largest tank to prevent spilled fuel oils from reaching water sensitive receivers nearby.					✓
		D15	• To prevent pollution risks arising from works area (waste reception area) and haul roads, intercepting bund or barrier along the roadside should be constructed.					✓

Remarks:

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EIA Ref.	EM&A Log Ref	Weekly Site Inspection Item	Recommended Precautionary/Mitigation Measures (to be implemented when the trigger level is exceeded, where necessary)	Objectives of the Recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	What requirement or standards for the measures to achieve?	Status
Construction Runoff (Cont'd)								
S5.8.1	S5.2.1	D19	<u>Sewage Effluent from Workforce</u> (a) Portable chemical toilets and sewage holding tanks are recommended for handling the construction sewage generated by the workforce. (b) A licensed contractor should be employed to provide appropriate and adequate portable toilets and be responsible for appropriate disposal and maintenance.	Control sewage effluent arising from the sanitary facilities provided for the on-site construction workforce	Contractor	On-site sanitary facilities	ProPECC PN 1/94 DSD Technical Circular TC01/2017 Water Pollution Control Ordinance Waste Disposal Ordinance	(a) ✓ (b) ✓
		D20	Notices will be posted at conspicuous locations to remind the workers not to discharge any sewage or wastewater into the nearby environment during the construction phase of the Project.					N/A
		-	Regular environmental audit on the construction site can provide an effective control of any malpractices and can achieve continual improvement of environmental performance on site.					✓
S5.8.1	S5.2.1	D21	<u>Accidental Spillage of Chemical</u> • (a) Any service workshop and maintenance facilities shall be located within a bunded area, and sumps and oil interceptors shall be provided. (b) Maintenance of equipment involving activities with potential for leakage and spillage will only be undertaken within the areas.	Control of chemical leakage	Contractor	Service workshop and maintenance facilities	ProPECC PN 1/94 Water Pollution Control Ordinance Waste Disposal Ordinance	(a) N/A (b) N/A
Erosion Control Measures								
S5.8.2	S5.2.2	-	<u>Erosion Control /Measures</u> a. Preserve Natural Vegetation This Best Management Practices will involve preserving natural vegetation to the greatest extent possible during the construction process. and after construction where appropriate. Maintaining natural vegetation is the most effective and inexpensive form of erosion prevention control.	Erosion control	Contractor	Drainage system	ProPECC PN 1/94 Water Pollution Control Ordinance	✓
		-	b. Provision of Buffer Zone A buffer zone consists of an undisturbed area or strip of natural vegetation or an established suitable planting adjacent to a disturbed area that reduces erosion and runoff. The rooted vegetation holds soils acts as a wind break and filters runoff that may leave the site.					✓
		-	c. Seeding (Temporary/Permanent) A well-established vegetative cover is one of the most effective methods of reducing erosion. Vegetation should be established on construction sites as the slopes are finished, rather than waiting until all the grading is complete. Besides, Hydroseeding will be applied on the surface of stockpiled soil and on temporary soil covers for inactive tipping areas to prevent soil erosion during rainy season.					✓
		-	d. Ground Cover Ground Cover is a protective layer of straw or other suitable material applied to the soil surface. Straw mulch and/or hydromulch are also used in conjunction with seeding of critical areas for the establishment of temporary or permanent vegetation. Ground cover provides immediate temporary protection from erosion. Mulch also enhances plant establishment by conserving moisture, holding fertilizer, seed, and topsoil in place, and moderating soil temperatures.					To be implemented
		-	e. Hydraulic Application Hydraulic application is a mechanical method of applying erosion control materials to bare soil in order to establish erosion-resistant vegetation on disturbed areas and critical slopes. By using hydraulic equipment, soil amendments, mulch, tackifying agents, Bonded Fiber Matrix (BFM) and liquid co-polymers can be uniformly broadcast, as homogenous slurry, onto the soil. These erosion and dust control materials can often be applied in one operation.					To be implemented
			f. Sod Establishes permanent turf for immediate erosion protection and stabilizes drainageways.					✓
			g. Matting There are numerous erosion control products available that can be described in various ways, such as matting, blankets, fabric and nets. These products are referred as matting. A wide range of materials and combination of materials are used to produce matting including, but not limited to: straw, jute, wood fiber, coir (coconut fiber), plastic netting, and Bonded Fiber Matrix. The selection of matting materials for a site can make a significant difference in the effectiveness of the Best Management Practices.					✓

Remarks:

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Erosion Control Measures (Cont'd)								
S5.8.2	S5.2.2		h. Plastic Sheeting Plastic Sheeting will provide immediate protection to slopes and stockpiles. However, it has been known to transfer erosion problems because water will sheet flow off the plastic at high velocity. This is usually attributable to poor application, installation and maintenance.	Erosion control	Contractor	Drainage system	ProPECC PN 1/94 Water Pollution Control Ordinance	✓
		-	i. Dust Control Dust Control is one preventative measure to minimize the wind transport of soil, prevent traffic hazards and reduce sediment transported by wind and deposited in water resources.					✓, Mist Cannons, Water Trucks, Water Sprinklers had been applied for dust control at access roads and exposed area of the project site.
Surface Water Drainage System								
S5.8.2	S5.2.2	D22	• (a) Temporary surface water drainage system will be provided to manage runoff during construction and operation. (b) This system will consist of channels as constructed around the perimeter of the site area. (c) This system will collect surface water from the areas of higher elevations to those of lower elevations and ultimately to the point of discharge. (d) Erosion will therefore be minimised.	Surface Water Management/ Control run off	Contractor	Surface water system Construction	Water Pollution Control Ordinance TM-water	(a) ✓ (b) ✓ (c) ✓ (d) ✓
		D23	• (a) The temporary surface water drainage system will include the use of a silt fence around the soil stockpile areas to prevent sediment from entering the system. (b) Regular cleaning will be carried out to prevent blockage of the passage of water flow in silt fence.					(a) ✓ (b) ✓, Regular cleaning at silt fence had been conducted by the contractor, especially, after rainstorm.
		-	• Intermediate drainage system will be installed for filled cell/phase. The major purpose of the intermediate drainage system is to prevent the clean surface water run-off from the filled phases coming into contact with the waste mass in active cell and to prevent excessive surface water infiltration through the intermediate cover, thus contribute to increasing volume of leachate. The intermediate drainage system will collect the clean surface water run-off and divert it to the permanent discharge channels connected to the public drainage system.					N/A
		-	• In addition, surface flow from the haul road (especially near the wheel washing facility) will be collected to a dry weather flow interceptor and conveyed to the on-site leachate treatment plant for further treatment.					N/A
Waste Management								
S6	WM1	-	<u>C&D Materials</u> • Implement proper waste management measures during construction phase as stipulated in the Environmental Management Plan (EMP) in accordance with the ETWB TC(W) No. 19/2005 Environmental Management in Construction Sites.	Good site practice to minimise C&D waste generation and reuse/recycle all C&D on-site as far as possible	Contractor	Entire construction site	Waste Disposal Ordinance ETWB TC(W) No. 19/2005 DEVB TC(W) No. 6/2010	✓
		-	• Implement a trip-ticket system to ensure that the movement of C&D materials are properly documented and verified in accordance with DEVB TC(W) No. 6/2010. Copies/counterfoils from trip-tickets (with quantities of C&D Materials off-site) should be kept for record purposes.					✓
		-	• Appropriate waste management should be implemented in accordance with the ETWB TC(W) No. 19/2005.					✓
		E4	• (a) Make provisions in Contract documents to allow and promote the use of recycled aggregates where appropriate. Ensure material balance in terms of excavated C&D materials in the design of NENT landfill extension project. (b) The contract specifications should specify no excavated materials should be removed from the landfill extension site, but should be fully reused.					(a) ✓ (b) ✓
		E5	• Careful design, planning and good site management to minimise over-ordering and waste materials such as concrete, mortars and cement grouts. (a)(b) The design of formwork should maximise the use of standard wooden panels so that high reuse levels can be achieved. (c) Alternatives such as steel formwork or plastic fencing should be considered to increase the potential for reuse.					(a) ✓ (b) ✓ (c) ✓
		E6	• (a) The Contractor should recycle as much as possible the C&D waste on-site through proper waste segregation on-site. (b) Concrete and masonry should be used as general fill and steel reinforcement bars can be used by scrap steel mills. (c) Proper areas should be designated for waste segregation and storage wherever site conditions permit. (d) Maximise the use of reusable steel formwork to reduce the amount of C&D material.					(a) ✓ (b) ✓ (c) ✓ (d) ✓

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Waste Management (Cont'd)								
S6	WM1	E7	• (a) Maintain temporary stockpiles and reuse excavated fill material for backfilling and reinstatement. On-site sorting and segregation facility of all type of wastes is considered as one of the best practice in waste management and hence, should be implemented in all projects generating construction waste. (b) The sorted public fill and C&D waste should be properly reused.	Good site practice to minimise C&D waste generation and reuse/recycle all C&D on-site as far as possible	Contractor	Entire construction site	Waste Disposal Ordinance ETWB TC(W) No. 19/2005 DEVB TC(W) No. 6/2010	(a) ✓ (b) ✓
		E8	• (a) Excavated slope, stockpiled material and bund walls should be covered by tarpaulin until used in order to prevent wind-blown dust during dry weather, and to reduce muddy runoff during wet weather. (b)(c) Appropriate measures to minimise windblown litter and dust during transportation of waste by either covering trucks or by transporting wastes in enclosed containers					(a) ✓ (b) ✓ (c) ✓
		E9	• If any topsoil-like materials need to be stockpiled for any length of time, consideration should be given to hydroseeding of the topsoil on the stockpile to improve its visual appearance and prevent soil erosion.					✓
		E10	• Nomination of approved personnel to be responsible for good site practices and making arrangements for collection of all wastes generated on-site and effective disposal.					✓
		E11	• Training of site personnel for cleanliness, proper waste management procedures including chemical waste handling, and waste reduction, reuse and recycling concepts.					✓
		E12	• Regular cleaning and maintenance programme systems, sumps and oil interceptors.					✓
		E13	• (a) Prior to disposal of C&D waste, wood, steel and other metals should be separated for re-use and/or recycling to minimise the quantity of waste to be disposed of to landfill. (b)(c) Proper storage and site practices should be implemented to minimise the potential for damage or contamination of construction materials.					(a) ✓ (b) ✓ (c) N/A
			• Plan and stock construction materials carefully to minimise amount of waste generated and avoid unnecessary generation of waste. Minimise excessive ordering of concrete, mortars and cement grout by doing careful check before ordering.					✓
S6	WM2	E16 – E23	<u>Chemical Waste</u> • Chemical waste that is produced, as defined by Schedule 1 of the Waste Disposal (Chemical Waste) (General) Regulation, should be handled in accordance with the Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes.	Ensure proper disposal of chemical waste generated on-site to minimise the associated hazards on human health and environment	Contractor	Entire construction site	Waste Disposal (Chemical Waste) General Regulation Code of Practice on the Packaging, Labelling and Storage of Chemical Waste	✓
		-	• Plant/equipment maintenance schedule should be designed to optimise maintenance effectiveness and to minimise the generation of chemical wastes. Where possible, chemical wastes (e.g. waste lube oil) should be recycled by licensed treatment facilities					✓
		E17 & E18	• Containers used for storage of chemical wastes should be suitable for the substance they are holding, resistant to corrosion, maintained in a good condition, and securely closed; have a capacity of less than 450 liters unless the specification has been approved by the EPD. Display a label in English and Chinese in accordance with instructions prescribed in Schedule 2 of the Regulation.					✓
		E19	• (a) The storage area for chemical wastes should be clearly labelled and used solely for storage of chemical waste, (b) enclosed with at least 3 sides, having an impermeable floor and bund of sufficient capacity to accommodate 110% of volume of the largest container or 20 % of total volume of waste stored in that area, (c)(d) whichever is the greatest, having adequate ventilation, being covered to prevent rainfall entering, and being arranged so that incompatible materials are adequately separated.					(a) ✓ (b) N/A (c) N/A (d) N/A
		E20	• Chemical waste should be collected by licensed waste collectors and disposed of at licensed facility, e.g. Chemical Waste Treatment Centre.					✓

Remarks:

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Waste Management (Cont'd)								
S6	WM3	E1	<u>General Refuse</u> • General refuse generated on-site should be properly stored in enclosed bins or compaction units separately from construction and chemical wastes.	Minimise generation of general refuse to avoid odour, pest and visual nuisance	Contractor	Entire construction site	Waste Disposal Ordinance	✓
		E2	• (a) All recyclable materials (separated from the general waste) should be stored on-site in appropriate containers with cover prior to collection by a local recycler for subsequent reuse and recycling. Residual, non-recyclable, general waste should be stored in appropriate containers to avoid odour. (b)(c)(d) Regular collection should be arranged by an approved waste collector in purpose-built vehicles that minimise environmental impacts during transportation					(a) ✓ (b) ✓ (c) ✓ (d) ✓
		-	• Reputable waste collector should be employed by the Contractor to remove general refuse from the site, separately from construction and chemical wastes, on a daily basis to minimise odour, pest and litter impacts. Burning of refuse on construction sites is prohibited by law.					✓
		-	• Aluminium cans should be separated from general waste stream and collected by recyclers. Proper collection bins should be provided on- site to facilitate the waste sorting.					✓
		-	• Office waste paper should recycled if the volume warrant collection by recyclers. Participation in community waste paper recycling programme should be considered by the Contractor, including waste paper, aluminium cans, plastic bottles, waste batteries, etc.					✓
LFG								
Within NENT Landfill Extension								
S7	LFG1	F1	Special LFG precautions should be taken due to close proximity of NENT landfill extension site to existing landfill to avoid potential hazards of LFG exposure (ignition, explosion, asphyxiation, toxicity).	To minimise the risk of LFG hazards to personnel in construction site	Contractor	Entire construction site	Landfill Gas Hazard Assessment Guidance Note (EPD/TR8/97)	N/A
	LFG2	F2	Prominent safety warning signs should be erected on-site to alert all personnel and visitors of LFG hazards during excavation works.					✓
	LFG3	F3	No smoking or burning should be permitted on-site.				F&IU (Confined Spaces) Regulations	✓
	LFG4	F4	Prominent 'No smoking' and 'No Naked Flames' signs should be erected on-site.					✓
	LFG5	F5	No worker should be allowed to work alone at any time in excavated trenches or confined areas on-site.				Code of Practice on Safety and Health at Work in Confined Spaces	✓
	LFG6	F6	Adequate fire fighting equipment should be provided on-site.					✓
	LFG7	F7	Construction equipment should be equipped with vertical exhaust at least 0.6m above ground installed with spark arrestors.					✓
	LFG8	F8	Electrical motors and extension cords should be explosion-proof and intrinsically safe for use on-site.					✓
	LFG9	F9	'Permit to Work' system should be implemented.					✓
	LFG10	F10	Welding, flame-cutting or other hot works should be conducted only under 'Permit to Work' system following clear safety requirements, gas monitoring procedures and presence of qualified persons to supervise the works.					✓
	LFG11	F11	(a) For piping assembly or conduit construction, all valves and seals should be closed immediately after installation to avoid accumulation and migration of LFG. (b) If installation of large diameter pipes (diameter >600mm) is required, the pipe ends should be sealed on one side during installation. (c) Forced ventilation is required prior to operation of installed pipeline. (d) Forced ventilation should also be required for works inside trenches deeper than 1m.					(a) N/A (b) N/A (c) N/A (d) N/A
	LFG12	F12	Frequency and location of LFG monitoring within excavation area should be determined prior to commencement of works. LFG monitoring in excavations should be conducted at no more than 10mm from exposed ground surface.					✓
	LFG13	F13	For excavation works, LFG monitoring should be conducted (1) at ground surface prior to excavation, (2) immediately before workers entering excavations, (3) at the beginning of each half-day work, and (4) periodically throughout the working day when workers are in the excavation.					✓
	LFG14	F14	Any cracks on ground level encountered on-site should be monitored for LFG periodically. Appropriate action should be taken in accordance with the action plan in Table 7.6 of EIA Report.					✓
	LFG15	F15	(a) LFG precautionary measures involved in excavation and piping works should be provided in accordance with LFG Guidance Note and included in Safety Plan of construction phase. (b) Temporary offices or buildings should be located where free LFG has been proven or raised clear of ground at a separation distance of at least 500mm.					(a) N/A (b) N/A

Remarks:

✓	Compliance of mitigation measure
*	Recommendation was made during site audit but improved/rectified by the contractor
#	Recommendation was made during site audit but not yet improved/rectified by the contractor.
N/A	Not Applicable at this stage were conducted in the reporting period.
@ (Which measure)	Alternative measure was made by the contractor.

EIA Ref.	EM&A Log Ref	Weekly Site Inspection Item	Recommended Precautionary/Mitigation Measures (to be implemented when the trigger level is exceeded, where necessary)	Objectives of the Recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	What requirement or standards for the measures to achieve?	Status
LFG (Cont'd)								
Within NENT Landfill Extension								
S7	LFG16	F16	For large development such as NENT landfill extension, a Safety Officer trained in the use of gas detection equipment and LFG- related hazards should be present on-site throughout the groundwork phase. The Safety Officer should be provided with an intrinsically safe portable instrument appropriately calibrated and capable of measuring the following gases: •CH_4: 0-100% and LEL: 0-100%/v •CO_2: 0-100% •O_2: 0-21%	To minimise the risk of LFG hazards to personnel in construction site	Contractor	Entire construction site	Landfill Gas Hazard Assessment Guidance Note (EPD/TR8/97) F&IU (Confined Spaces) Regulations Code of Practice on Safety and Health at Work in Confined Spaces	✓
	LFG17	F17	(a) Periodically during groundwork construction, the works area should be monitored for CH_4 CO_2 and O_2 using appropriately calibrated portable gas detection equipment. The monitoring frequency and areas should be established prior to commencement of groundwork either by Safety Officer or appropriately qualified person. (b) Routine monitoring should be carried out in all excavations, manholes, created by temporary storage of building materials on-site. (c) All measurements in excavations should be made with monitoring tube located not more than 10mm from exposed ground surface.					(a) N/A (b) N/A (c) N/A
	LFG18	F18	For excavations deeper than 1m, measurements should be conducted: • At ground surface before excavation commences; • Immediately before any worker enters the excavation; • At the beginning of each working day for entire period the excavation remains open; and Periodically throughout the working day whilst workers are in excavation.					✓
	LFG19	F19	For excavations between 300mm and 1m, measurements should be conducted: • Directly after excavation has been completed; and Periodic all whilst excavation remains open.					✓
	LFG20	F20	For excavations less than 300mm, monitoring may be omitted at the discretion of Safety Officer or appropriately qualified person.					✓
Landscape and Visual Phases								
S8	LV1	G4	<u>Advanced screening tree planting</u> • Early planting using fast growing trees and tall shrubs at strategic locations within site to block major view corridors to the site from the VSRs, and to locally screen haul roads, excavation works and site preparation works. • Roadside planter and shrub planting design in front of Cheung Shan Temple.	To minimise the impact on existing vegetation retained by personnel in construction To provide initiation on permanent landscape and visual mitigation measures	Contractor	Entire construction site	DEVB TC(W) No. 4/2020 - Tree Preservation DEVB TC(W)) No. 6/2015 - Maintenance of Vegetation and Hard Landscape Features DEVB TC(W) No. 6/2011 - Maintenance of Man-made Slopes and Emergency Repair on Stability of Land	✓
S8	LV2	G5	<u>Boundary Green Belt planting</u> Considerable planting belts proposed around the site perimeter and the construction of temporary soil bunds will screen the landfill operations to a certain degree. Fast growing and fire resistant plant species will be used.					To be implemented during operation phase
S8	LV3	G6	<u>Temporary landscape treatment as green surface cover</u> For certain areas where landfilling operations would have to be suspended temporarily for periods of years, simple temporary landscape treatment such as hydroseeding should be considered. During construction and operational phases, grass hydroseeding or synthetic covering material of green colour should also be used as a temporary slope cover if applicable.					✓
S8	LV4	G7	<u>Existing tree preservation</u> Transplant existing trees and vegetation, which are identified as ecologically significant in Ecological Impact Assessment and as rare tree species recorded in the tree survey, under circumstances where technically feasible. For all affected trees, the principle of avoidance of tree felling and tree transplanting of tree before felling should apply whenever possible. A tree felling application should be submitted to DEVB-GLTMS and be approved before any trees are felled or transplanted.					✓

Remarks:

✓	Compliance of mitigation measure
*	Recommendation was made during site audit but improved/rectified by the contractor
#	Recommendation was made during site audit but not yet improved/rectified by the contractor.
N/A	Not Applicable at this stage were conducted in the reporting period.
@ (Which measure)	Alternative measure was made by the contractor.

EIA Ref.	EM&A Log Ref	Weekly Site Inspection Item	Recommended Precautionary/Mitigation Measures (to be implemented when the trigger level is exceeded, where necessary)	Objectives of the Recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	What requirement or standards for the measures to achieve?	Status
Ecology								
General Protection Measures:								
S10	E1	-	Restriction of construction activities to the work areas that would be clearly demarcated.	To minimise environmental impacts and therefore potential ecological impacts within and near the construction site	Contractor	Entire construction site	Practice Note for Professional Persons (ProPECC), Construction Site Drainage (PN1/94) Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes, EPD (1992) ETWB TC(W)) No. 33/2002 Management of Construction and Demolition Material Including Rock DEVB TC(W) No. 6/2010 Trip Ticket System for Disposal of Construction and Demolition Materials ETWB TC(W)No.19/2005 Environmental Management on Construction Sites	✓
	E2	-	Reinstatement of the work areas immediately after completion of the works.					✓
	E3	-	Only well-maintained plant should be operated on-site and plant should be serviced regularly during the construction programme.					✓
	E4	-	Machines and plant (such as trucks, cranes) that may be in intermittent use should be shut down between work periods or should be throttled down to a minimum.					✓
	E5	-	Plant known to emit noise strongly in one direction, where possible, be orientated so that the noise is directed away from nearby NSRs.					✓
	E6	-	Silencers or mufflers on construction equipment should be properly fitted and maintained during the construction works.					N/A
	E7	-	Mobile plant should be sited as far away from NSRs as possible and practicable.					✓
	E8	-	Material stockpiles, site office and other structures should be effectively utilised, where practicable, to screen noise from on-site construction activities.					✓
	E9	-	Use of “quiet” plant and working methods.					✓
	E10	-	Construction phase mitigation measures in the Practice Note for Professional Persons on Construction Site Drainage.					✓
	E11	-	Design and set up of the temporary on-site drainage system will be undertaken by the contractor prior to the commencement of construction.					✓
	E12	-	Design and incorporation of silt/sediment traps in the permanent drainage channels to enhance deposition rates and regular removal of reposited silt and grit.					✓
	E13	-	Minimization of surface excavation works during the rainy seasons (April to September), and in particular,control of silty surface runoff during storm events, especially for areas located near steep slopes.					✓
	E14	-	Regular inspection and maintenance of all drainage facilities and erosion and sediment control structures to ensure proper and efficient operation at all times and particularly following rainstorms.					✓
	E15	-	Provision of oil interceptors in the drainage system downstream of any oil/fuel pollution sources					N/A

Remarks:

✓	Compliance of mitigation measure
*	Recommendation was made during site audit but improved/rectified by the contractor
#	Recommendation was made during site audit but not yet improved/rectified by the contractor.
N/A	Not Applicable at this stage were conducted in the reporting period.
@ (Which measure)	Alternative measure was made by the contractor.

Appendix M Mitigation Measures of Cultural Landscape Features

Completed Site Fencing

SITE BOUNDARY

Appendix N Cumulative Complaint / Enquiry Log, Summaries of Complaints and Enquiries

Environmental Complaints Log

Complaint Ref. No.	Date of Complaint Received	Received from	Received by	Aspect of Complaint	Date of Investigation	Investigation Summary & Conclusion	Date of Reply
C001_20221220	21 Dec 2022	Veolia (Contractor)	ET	Air Quality (Construction Dust)	5, 12 & 19 Dec 2022	It was noted from Veolia's email to the ET on 20 December 2022 that Veolia received complaint lodged regarding presenting much dusty materials at roundabout at Wo Keng Shan Road & dusty flying problem at Kowloon-bound traffic at Lung Shan Tunnel. No dusty materials and wastes were transported out from the NENTX site during the complaint period. During the regular weekly site inspection on 5, 12 & 19 December 2022, it was observed that the wheel washing facilities with high-pressure water jets have been provided at all site exits of NENTX and cleaned all vehicles before allowing them to leave the construction site to ensure that no mud or debris would be brought to the public area. All site vehicles of NENTX are also required to go through the auto wheel washing facility, which is managed by the operator of the NENT landfill, before entering the public area. The road section between the washing facilities and the exit point was paved with concrete, or bituminous materials were implemented in all site entrances. No mud generated from vehicles under the NENTX project after exiting the site entrance was observed. In conclusion, there is no direct evidence showing that the complaint is likely related to the NENTX project.	5 Jan 2023
C002_20230614	14 Jun 2023	EPD-RNG	ET	Water Quality	16, 21 Jun, 24, 25 Jul & 2 Aug 2023	It was noted from EPD-RNG's email to the ET on 14 Jun 2023 that EPD received complaint lodged regarding the muddy water was observed at Lin MA Hang International Bridge. In summary of the investigation, the pollutant water appeared crimson colour with bubbles ay the LMH-OP01 (Monitoring Point from EPD). The colour and pattern of pollutant water is different from the runoff at surface WQM monitoring location WM1. Hence, the project is not the major source causing the pollutant water. To minimise the potential impact of the project, the enhancement of mitigation measures at north boundary were advised to implement by contractor. The related rectified actions had been conducted by the contractor.	29 Jun & 21 Aug 2023

Complaint Ref. No.	Date of Complaint Received	Received from	Received by	Aspect of Complaint	Date of Investigation	Investigation Summary & Conclusion	Date of Reply
C003_20230615	15 Jun 2023	EPD-RNG	ET	Water Quality	16, 19, 21 Jun, 18 Jul 2023	It was noted from EPD-RNG's email to the ET on 15 June 2023 that EPD received information regarding the muddy water was observed at River Ganges (GR3) (Water Quality Monitoring Location from EPD). In summary of the investigation, the muddy water caused from multi-potential sources while the runoff from the box culvert under the Wo Keng Shan Road is the major source including runoff from Existing channel near Portion E3-1, discharge water from the silt removal facilities at Portion E3-1 of the project, runoff from branch near the entrance of Portion E3-1, runoff from weighting plaza of NENT Landfill & natural stream near Wo Keng Shan & Shui Ngau Tso etc.. Hence, the project is a part of factor causing the high turbidity muddy water. To minimise the potential impact of construction runoff from the project, the further mitigation measures and enhancement of the temporary surface water drainage system were advised to implement by contractor. The related rectified actions had been conducted by the contractor.	15 Jun, 21 Aug 2023
C004_20230803	3 Aug 2023	EPD-RNG	ET	Water Quality	18 Jul 2023	It was noted from EPD-RNG's email to the ET on 3 Aug 2023 that EPD received information regarding the muddy water was observed at River Ganges (GR3) (Water Quality Monitoring Location from EPD). In summary of the investigation, the muddy water caused from multi-potential sources while the runoff from the box culvert under the Wo Keng Shan Road is the major source including runoff from Existing channel near Portion E3-1, discharge water from the silt removal facilities at Portion E3-1 of the project, runoff from branch near the entrance of Portion E3-1, runoff from weighting plaza of NENT Landfill & natural stream near Wo Keng Shan & Shui Ngau Tso etc.. Hence, the project is a part of factor causing the high turbidity muddy water. To minimise the potential impact of construction runoff from the project, the further mitigation measures and enhancement of the temporary surface water drainage system were advised to implement by contractor. The related rectified actions had been conducted by the contractor.	14 Aug 2023

Complaint Ref. No.	Date of Complaint Received	Received from	Received by	Aspect of Complaint	Date of Investigation	Investigation Summary & Conclusion	Date of Reply
C005_20230818	18 Aug 2023	EPD-RNG	ET	Water Quality	18 Sep 2023	It was noted from EPD-RNG's email to the ET on 18 August 2023 that EPD received information regarding the muddy water was observed at River Ganges (GR3) (Water Quality Monitoring Location from EPD) on 14 August 2023. In summary of the investigation, the complaint is project related. It viewed that muddy water arising from wheel washing water from the site entrance at Portion E4 & Runoff from Existing Channel near Portion E3-1 & discharge water from the silt removal facilities at Portion E3-1 eventually flows into the box culvert under Wo Keng Shan Road, WM2 and ultimately to GR3. The related rectified actions had been conducted by the contractor.	13 October 2023
C006_20230914	14 Sep 2023	EPD-RNG	ET	Water Quality	18 Sep 2023	It was noted from EPD-RNG's email to the ET on 14 September 2023 that EPD received information regarding the muddy water was observed at River Ganges (GR3) (Water Quality Monitoring Location from EPD) on 11 September 2023. In summary of the investigation, the complaint is project related. It viewed that muddy water arising from wheel washing water from the site entrance at Portion E4 & Runoff from Existing Channel near Portion E3-1 & discharge water from the silt removal facilities at Portion E3-1 eventually flows into the box culvert under Wo Keng Shan Road, WM2 and ultimately to GR3. The related rectified actions had been conducted by the contractor.	13 October 2023
C007_20240509	9 May 2024	EPD-RNG	ET	Water Quality	13 May 2024	It was noted from EPD-RNG's email to the ET on 9 May 2024 that EPD receipted a memo from DSD/Mainland North regarding the incident of muddy water observed in Ping Yuen River, at the downstream of NENTX, on 23 April 2024. In summary of the investigation, the muddy water at the complaint location involved multi-potential sources (including the construction runoff of the project and runoff from existing landfill) based on the distance between the outlet of the project discharge point and the complaint location (distance around 1.16 km). The mitigation measures are recommended and reminded to implement and review by the contractor.	16 July 2024
C008_20241128	28 Nov 2024	EPD-RNG	ET	Water Quality	2 & 5 Dec 2024	It was noted from EPD-RNG's email to the ET on 28 November 2024 regarding the incident of muddy water observed in Ping Yuen River, at the downstream of NENTX, on 13 November 2024. Based on the surface water monitoring results, construction activities & related mitigation measures, weather record, environmental mitigation implementation status, joint weekly site inspections on 11, 18 November & 2 December 2024, additional site investigation / audit on 5 December 2024, the muddy water at the complaint location involved multi-potential sources (including the construction runoff of the	9 April 2025

					project and runoff from existing landfill). While the major source of causing high turbidity level should be Surface runoff from Wo Keng Shan Road between Northing (m): 844604, Easting (m): 835332 and the entrance of Shek Tsai Ha Road in accordance with the actual observation on 13 November 2024 & Surface Runoff from Drainage System of NENT Landfill. The muddy water from drainage system including stormwater channels and drains collected the runoff from rainfall and runoff from dust control measures of existing landfill increase the concentration of runoff at Ping Yuen River. Due to rainfall occurs on 13 November 2024, the severe weather increased the risk of landslips, finally increasing the concentration of suspended solids for surface runoff. Most rivers/streams/channels were affected by high amount of rainfall. Hence, the water quality of runoff at the complaint location would be affected by runoff from Wo Keng Shan, Shui Ngau Tso and other area between Surface WQM Location WM2 and the complaint location. Although the silt removal facilities of the project were functionable normally under the investigation. The mitigation measures are recommended and reminded to implement and review by the contractor.

Remarks:

1. “ET” equal to “Environmental Team”
2. “EPD-RNG” equal to “Environmental Protection Department-Regional Office (North)”
3. “TBC” equal to “To Be Confirm”

Environmental Enquiries Log

Enquiry Ref. No.	Date of Enquiry Received	Received from	Received by	Aspect of Complaint	Date of Investigation	Investigation Summary & Conclusion	Date of Reply
E009_20250410	10 Apr 2025	EPD-RNG	ET	Water Quality	7 Apr 2025	It was noted from EPD-RNG's email to the ET on 10 April 2025 regarding the incident of muddy water observed in Ping Yuen River, at the downstream of NENTX, on 7 April 2025. In summary of the investigation, the major source of causing high turbidity level should be surface runoff from Wo Keng Shan road between Northing (m): 844604, Easting (m): 835332 and the entrance of Shek Tsai Ha Road & surface runoff from drainage system of NENT Landfill. The muddy water from drainage system including stormwater channels and drains collected the runoff from rainfall and runoff from dust control measures of existing landfill increase the concentration of runoff at Ping Yuen River. Hence, the enquiry is not project related.	14 Jun 2025

Remarks:

1. "ET" equal to "Environmental Team"
2. "EPD-RNG" equal to "Environmental Protection Department-Regional Office (North)"
3. "NA" equal to "Not Applicable"

Cumulative Statistics on Complaints

Aspects	Cumulative No. Brought Forward	No. of Complaints during reporting period	Cumulative Project-to-Date
Air Quality	1*	0	1*
Noise	0	0	0
Water Quality	7(1* & 1#)	0	7(1*)
Waste Management	0	0	0
Total	8(2* & 1#)	0	8(2*)

Remarks:

1. * Equal to non-project related
2. # Equal to the complaint under the investigation.

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