North East New Territories (NENT) Landfill Extension

Monthly Environmental Monitoring and Audit Report (No. 32) – July 2025

2025-08-14

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Our Ref.: CL/91823/2846-VES
Date: 14 August 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.32) – July 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.32) – July 2025" dated 14 August 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,
Manulife Financial Centre,
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Ref: P521530-0000-REP-NN-0111

By Email

14 August 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.32) – July 2025 R1

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.32) – Jul 2025 R1" dated 14 August 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.32) – July 2025 R1

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

Document Control Record

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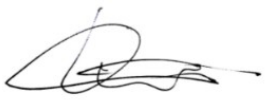
Reviewer's signature		Approver's signature	
Name	Keith Chau	Name	Fredrick Leong
Title	Associate Director, Environmental	Title	Environmental Team Leader

Contents

Figure

Appendix

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 32nd Monthly EM&A Report presents the EM&A works conducted from 1 to 31 July 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	4, 10, 16, 22 & 28 Jul 2025
-	Construction Noise Monitoring during normal weekdays at each monitoring station	5 times	4, 10, 15, 22 & 28 Jul 2025
-	Surface Water Quality Monitoring during normal weekdays at each monitoring station	1 time	15 Jul 2025
-	Landfill Gas Monitoring during normal weekdays for Construction Works	26 times	2 to 5, 7 to 12, 14 to 19, 21 to 26 & 28 to 31 Jul 2025
-	Joint Environmental Site Inspection	4 times	8, 14, 21 & 28 Jul 2025

Environmental Exceedance

Air Quality, Noise Monitoring, Surface Water Quality & Landfill Gas Monitoring

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

Environmental Non-Conformance/Summons and Prosecution

ES7. No non-compliance event and summons/prosecutions were recorded during the reporting period.

Environmental Complaint

ES8. No environmental complaint was recorded during the reporting period.

Reporting Change

ES9. There was no reporting change in the reporting period.

Future Key Issues

ES10. 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

ES11. 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 32nd 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 31 July 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
2.13	2.11	Submission of Landscape 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	4, 10, 16, 22 & 28 Jul 2025
- Construction Noise Monitoring during normal weekdays at each monitoring station	5 times	4, 10, 15, 22 & 28 Jul 2025
- Surface Water Quality Monitoring during normal weekdays at each monitoring station	1 time	15 Jul 2025
- Landfill Gas Monitoring during normal weekdays for Construction Works	26 times	2 to 5, 7 to 12, 14 to 19, 21 to 26 & 28 to 31 Jul 2025
- Joint Environmental Site Inspection	4 times	8, 14, 21 & 28 Jul 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 5 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. No exceedance of Action and Limit Level of surface water quality at each monitoring stations was recorded during the reporting period.

Landfill Gas

2.5.6 26 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 4 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 21 July 2025. The Contractor has generally implemented part of the mitigation measures as recommended. No general site inspection was 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
Jul 2025	31 (21 – 46)	39 (29 – 44)	53 (40 – 62)
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
Jul 2025	68 (63 – 71)	73 (68 – 76)	82 (76 – 89)
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
Jul 2025	59.7 (58.6 – 60.1)	49.3 (43.6 – 54.6)
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: 22C106561)	16 Sep 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 15 July 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	6.8	>7.7	>7.8	6.9	>7.6	>7.7
DO in mg/L	7.5	<7.4	<4	7.7	<5	<4
Turbidity in NTU	4.7	>9.2	>9.5	62.6	>108.3	>108.9
Electrical Conductivity in µS/cm	55	---	---	166	---	---
SS in mg/L	4.4	>9.7	>11.4	65.7	>94.5	>94.7
Alkalinity in mg/L	12	---		37	---	
COD in mg/L	8			6		
BOD_5 in mg/L	<2			<2		
TOC in mg/L	3			2		
Ammonia-nitrogen in mg/L	0.05			0.09		
TKN in mg/L	0.4			0.2		
Nitrate in mg/L	0.04			0.22		
Sulphate in mg/L	2			24		
Sulphite in mg/L	<2			<2		
Phosphorus in mg/L	<0.01			<0.01		
Chloride in mg/L	6			5		
Sodium in µg/L	6060			5340		
Magnesium in µg/L	440			1410		
Calcium in µg/L	2580			19100		
Potassium in µg/L	620			3290		
Iron in µg/L	340			2390		
Nickel in µg/L	<1			<1		
Zinc in µg/L	14			26		
Manganese in µg/L	17			887		
Copper in µg/L	3.0			2		
Lead in µg/L	<1			4		
Cadmium in µg/L	<0.2			<0.2		
Coliform Count in cfu/100mL	4700			4300		
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	-	-	-	-
	Exceedance Count	0	0	0	0

Remarks: * equal to non-project related

5.2.5.5 No exceedance of Action and Limit Level of surface water quality at designated monitoring statins 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 (Updated to 28 Jul 2025), the quantities of different types of waste generated from 1 to 28 Jul 2025 are summarised in **Appendix J**.

6.1.2 A total of 63,631.4 tonnes of C&D materials was reused in the project site from 1 to 28 Jul 2025. A total of 105,641 tonnes of C&D materials was reused at alternative disposal ground (NENT Landfill) from 1 to 28 Jul 2025. A total of 948.55 tonnes of C&D materials was imported fill from 1 to 28 Jul 2025. No Yard waste (collected to Y-Park) was generated from 1 to 28 Jul 2025. A total of 263.36 tonnes of general refuse and a total 600.77 tonnes of No non-recyclable yard waste was generated from 1 to 28 Jul 2025. 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 Jul 2025	0	0	0	20.1
	3 Jul 2025	0	0	0	20.0
	4 Jul 2025	0	0	0	20.0
	5 Jul 2025	0	0	0	20.0
	7 Jul 2025	0	0	0	20.1
	8 Jul 2025	0	0	0	20.1
	9 Jul 2025	0	0	0	20.0
	10 Jul 2025	0	0	0	20.0
	11 Jul 2025	0	0	0	20.1
	12 Jul 2025	0	0	0	20.0
	14 Jul 2025	0	0	0	20.0
	15 Jul 2025	0	0	0	20.1
	16 Jul 2025	0	0	0	20.1
	17 Jul 2025	0	0	0	20.0
	18 Jul 2025	0	0	0	20.1
	19 Jul 2025	0	0	0	20.0
	21 Jul 2025	0	0	0	20.0
	22 Jul 2025	0	0	0	20.0
	23 Jul 2025	0	0	0	20.1
	24 Jul 2025	0	0	0	20.0
	25 Jul 2025	0	0	0	20.0
	26 Jul 2025	0	0	0	20.1
	28 Jul 2025	0	0	0	20.1
	29 Jul 2025	0	0	0	20.1
	30 Jul 2025	0	0	0	20.0
	31 Jul 2025	0	0	0	20.0
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 Jul 2025	0	0	0	20.1
	3 Jul 2025	0	0	0	20.0
	4 Jul 2025	0	0	0	20.0
	5 Jul 2025	0	0	0	20.0
	7 Jul 2025	0	0	0	20.1
	8 Jul 2025	0	0	0	20.1
	9 Jul 2025	0	0	0	20.0
	10 Jul 2025	0	0	0	20.0
	11 Jul 2025	0	0	0	20.1
	12 Jul 2025	0	0	0	20.0
	14 Jul 2025	0	0	0	20.0
	15 Jul 2025	0	0	0	20.0
	16 Jul 2025	0	0	0	20.1
	17 Jul 2025	0	0	0	20.0
	18 Jul 2025	0	0	0	20.1
	19 Jul 2025	0	0	0	20.0
	21 Jul 2025	0	0	0	20.0
	22 Jul 2025	0	0	0	20.0
	23 Jul 2025	0	0	0	20.1
	24 Jul 2025	0	0	0	20.0
	25 Jul 2025	0	0	0	20.0
	26 Jul 2025	0	0	0	20.1
	28 Jul 2025	0	0	0	20.1
	29 Jul 2025	0	0	0	20.1
	30 Jul 2025	0	0	0	20.0
	31 Jul 2025	0	0	0	20.0
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	
Level Exceedance / Parameters		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 08, 14, 21 & 28 July 2025. A joint environmental site inspection was carried out by the representatives of the ER, the Contractor, IEC and the ET on 21 July 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:

08 Jul 2025

Observation(s):

1. Accumulation of waste was found at Portion D. The Contractor was advised to increase the frequency of waste disposal at Portion D.
2. Standing water was found at Portion D and the drip tray under the generator at temporary site office of Portion E3. The Contractor was recommended to fix the damaged water hose, direct the standing water to silt removal facility for treatment and clean the standing water at drip tray under the generator at the temporary site office of Portion E3.
3. Access road at the temporary site office of Portion E3 was dry and dust dispersion was found. The Contractor was advised to increase the frequency of watering at access road of temporary site office of Portion E3 to avoid dust dispersion.

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.

14 Jul 2025

Observation(s):

1. The standing water was found at drip tray under the generator of temporary site office. The Contractor was recommended to remove the standing water at drip tray regularly, especially after rain event.

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.

21 Jul 2025

Observation(s):

1. Standing water was found at the U-channel of Portion A. The Contractor was recommended to direct the standing water into silt removal facility for treatment.
2. Accumulated waste and standing water were found at the boundary of Portion A's process building. The Contractor was advised that general waste and C&D waste should be placed into enclosed bins and waste skips and to direct the standing water into silt removal facility for treatment.

3. Without covering open cement bags were found at 1/F of Portion A's process building. The Contractor was recommended that open cement bags should be covered with impervious sheet when not in use.
4. Without covering the exposed slope was found at Portion E3. The Contractor was advised that the exposed slope at Portion E3 should be covered with impervious sheet.

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.

28 Jul 2025

Observation(s):

1. Accumulated waste was found at Portion A. The Contractor was recommended to increase the waste separation facilities with proper label for paper, aluminium cans & plastic bottles and with proper label waste skips for C&D wastes. In addition, the accumulated waste should be cleaned up regularly.
2. Access road was dry and dust dispersion was found at Portion A & E4. The Contractor was advised to increase the frequency of watering to minimise the dust dispersion at access road.
3. Without cover was found at the enclosed rubbish bin of Temporary site office. The Contractor was advised to increase the cover for the enclosed rubbish bin.

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.

11.1.4 No 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, Surface Water Quality & 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 Impact Surface Water Quality Exceedance are shown in **Table 12-3**.

Table 12-3 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	-	-	-	-
	Exceedance Count	0	0	0	0

Remarks: * equal to non-project related

12.1.5 The Summary of Landfill Gas Exceedance are shown in **Table 12-4**.

Table 12-4 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

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
Jul 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. No Action / Limit Level exceedance of surface water quality was recorded at WM1 & 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.

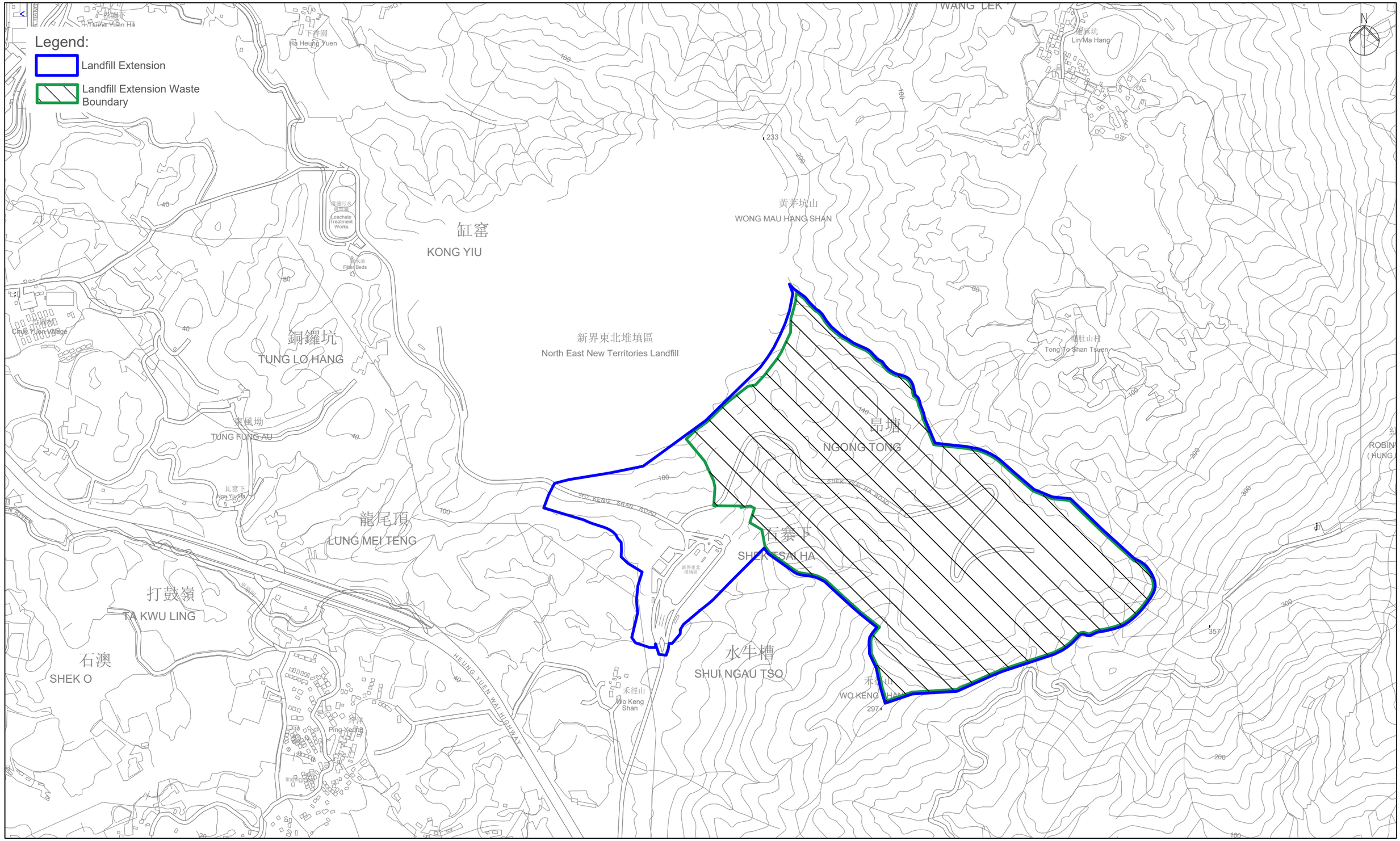
15.1.8 No environmental complaint was recorded during the reporting period.

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.

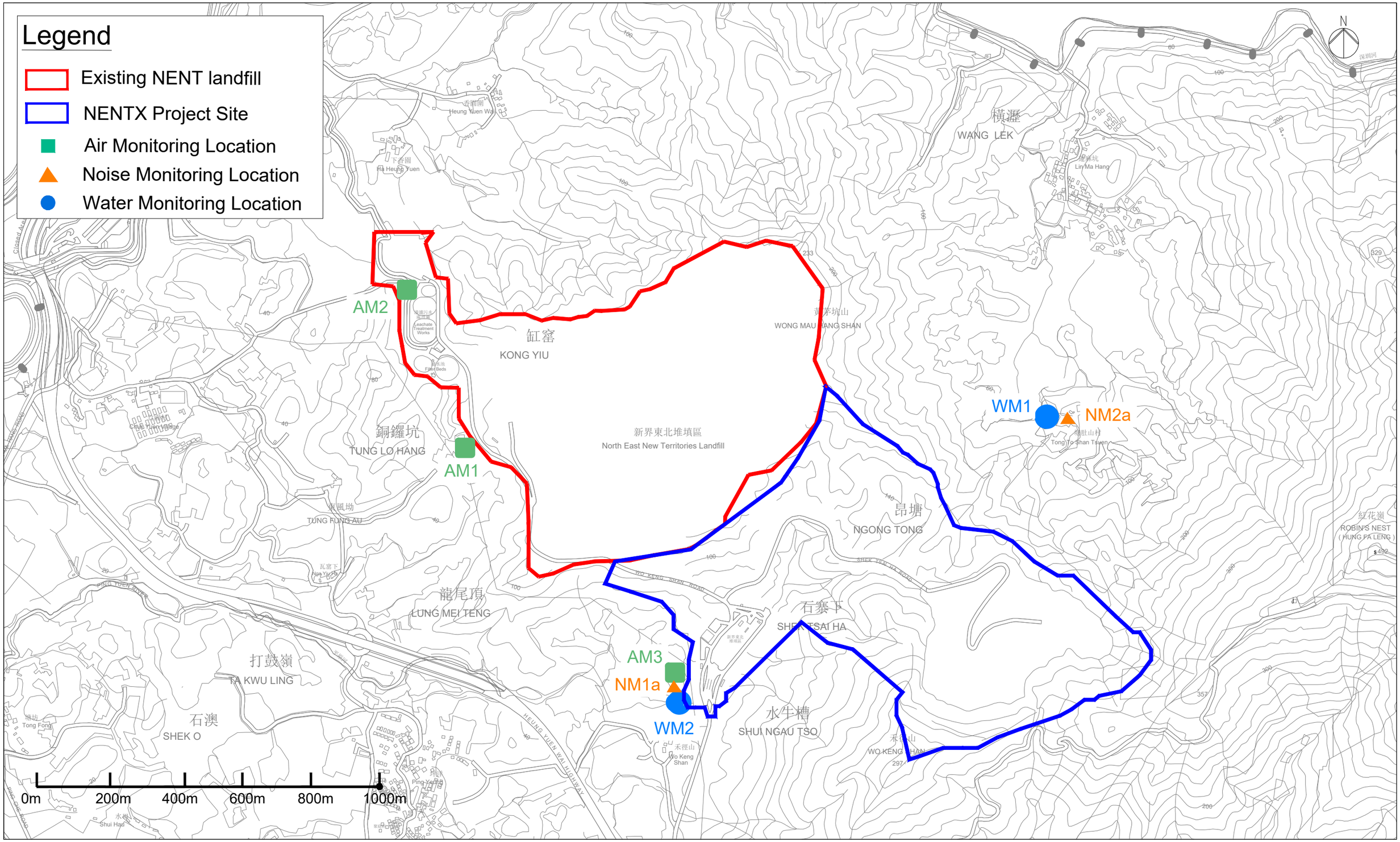
15.1.11 The ET will keep track on the EM&A programme to ensure compliance of environmental requirements and the proper implementation of all necessary mitigation measures.

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

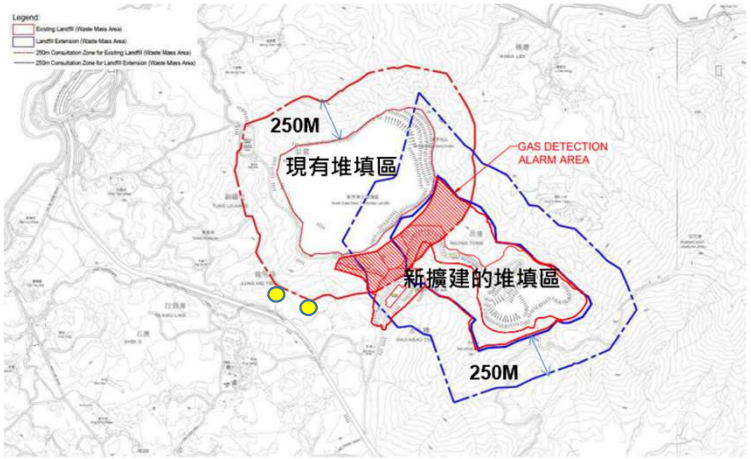


aurecon Aurecon Hong Kong Limited	North East New Territories (NENT) Landfill Extension Impact Monitoring Location	Figure 2

Figure 3 Landfill Gas Monitoring Locations

Gas Monitoring Point

Monitoring Frequency: 2 times per day



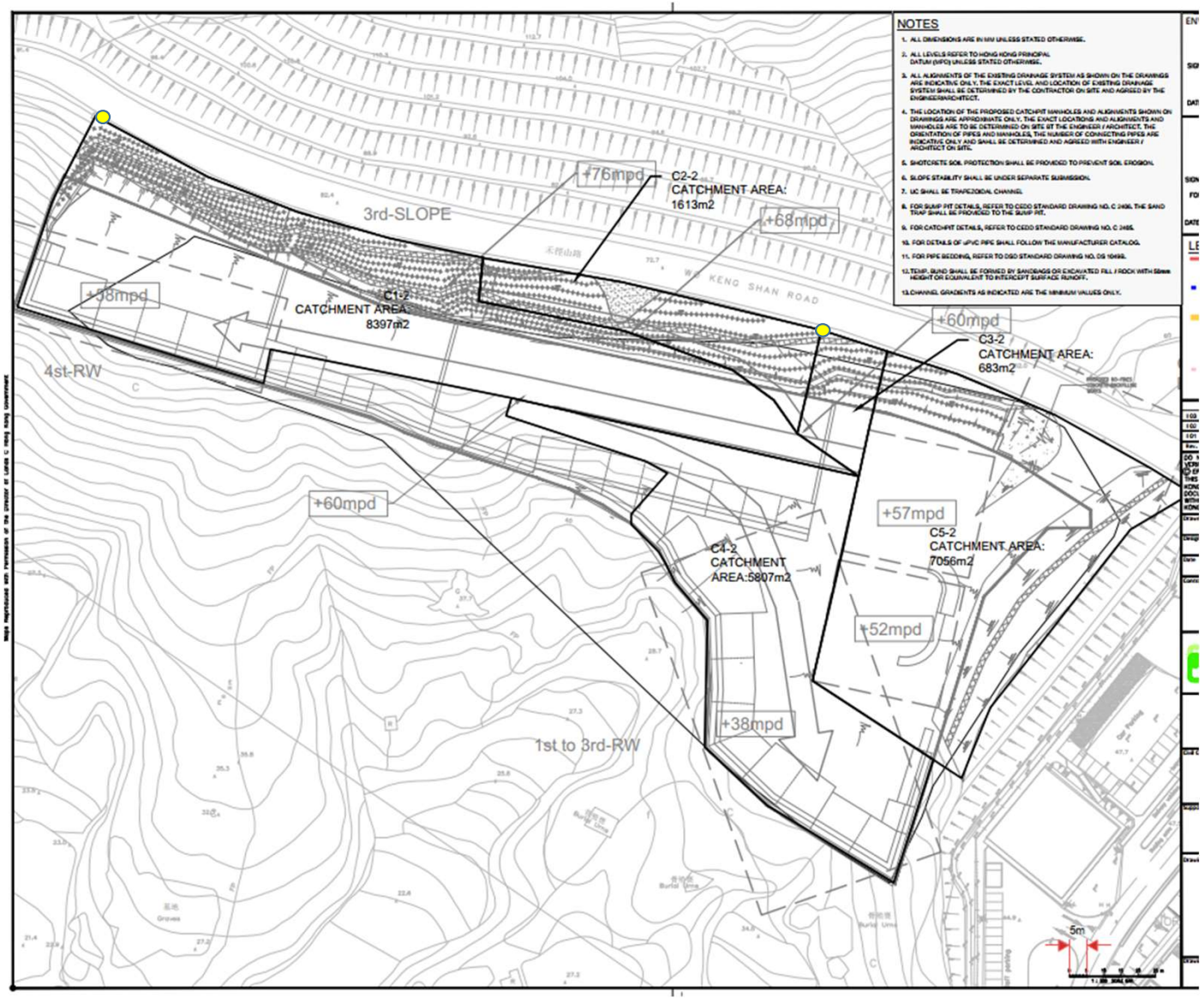


Figure 3 Landfill Gas Monitoring Locations

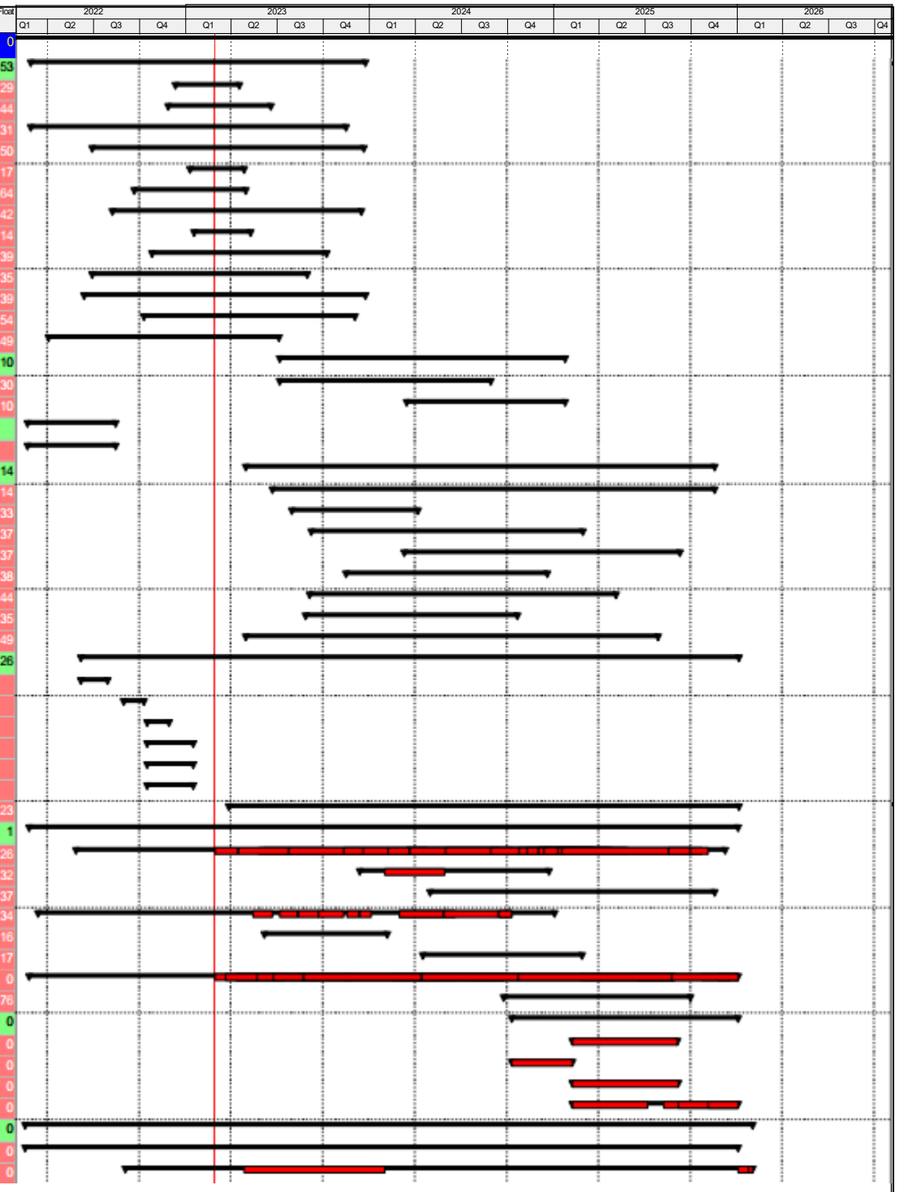
Gas Monitoring Point

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)

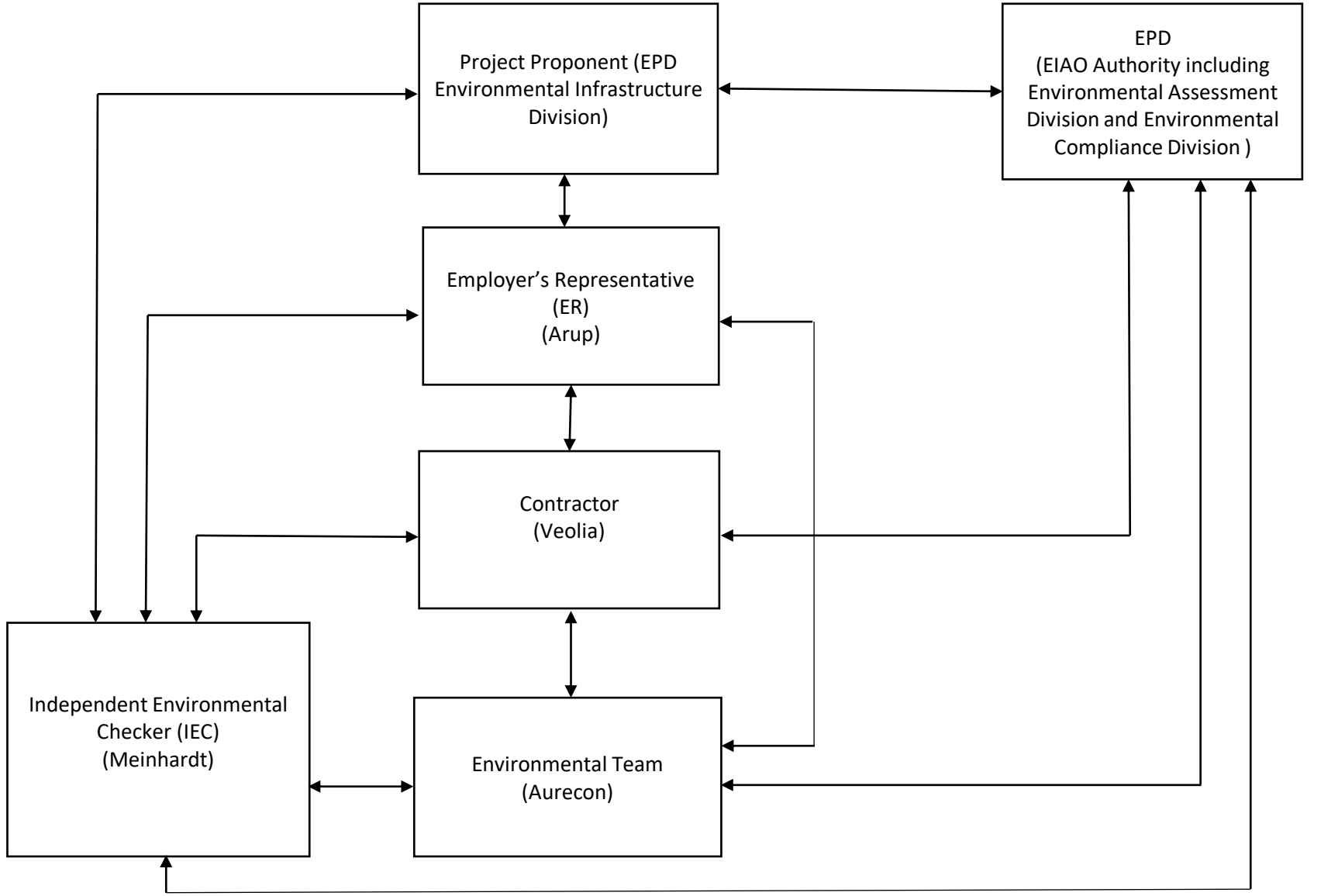
VEOLIA

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)
2.11	2.13	Submission of Landscape Plan	Submission Date (31 May 2023)
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) 32nd report (Jul 2025)

Appendix D Monitoring Schedule for Reporting Month & Next Month

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).
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.

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

Remark:

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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

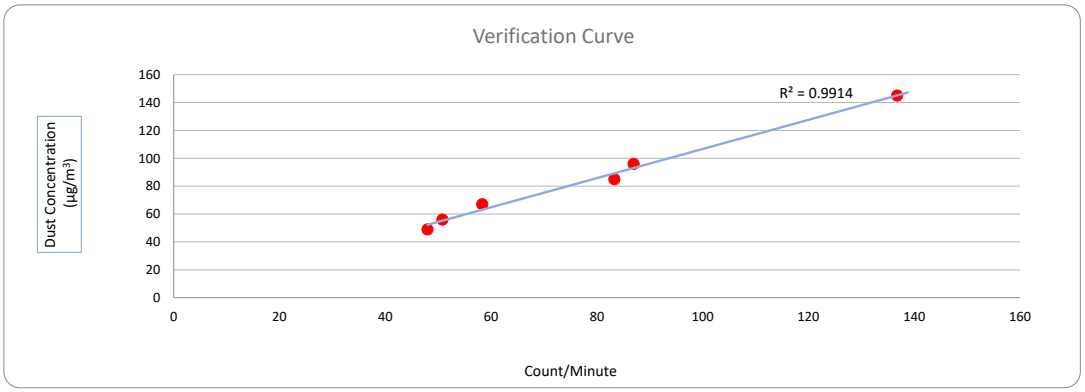
Verification Equipment Type:	Tisch TSP HVS	Tisch HVS Calibrator
Standard Equipment Model No.:	TE-5170X	TE-5025A
Equipment serial no.:	1106	3465
Last Calibration Date:	13-Sep-24	16-Jan-24
Next Calibration Date:	12-Sep-25	15-Jan-25

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 — Project Technician, Environmental — Date: 14-09-2024

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

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

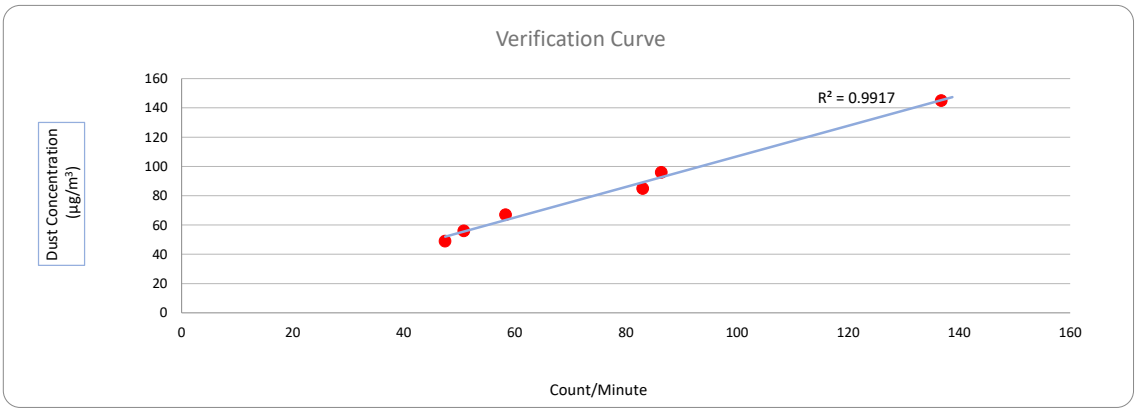
Verification Equipment Type:	Tisch TSP HVS	Tisch HVS Calibrator
Standard Equipment Model No.:	TE-5170X	TE-5025A
Equipment serial no.:	1106	3465
Last Calibration Date:	13-Sep-24	16-Jan-24
Next Calibration Date:	12-Sep-25	15-Jan-25

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

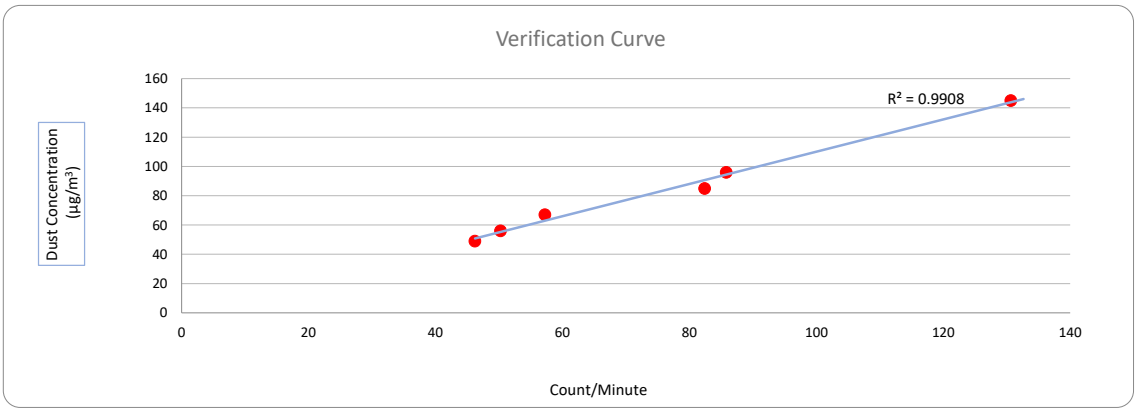
Verification Equipment Type:	Tisch TSP HVS	Tisch HVS Calibrator
Standard Equipment Model No.:	TE-5170X	TE-5025A
Equipment serial no.:	1106	3465
Last Calibration Date:	13-Sep-24	16-Jan-24
Next Calibration Date:	12-Sep-25	15-Jan-25

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:**	**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

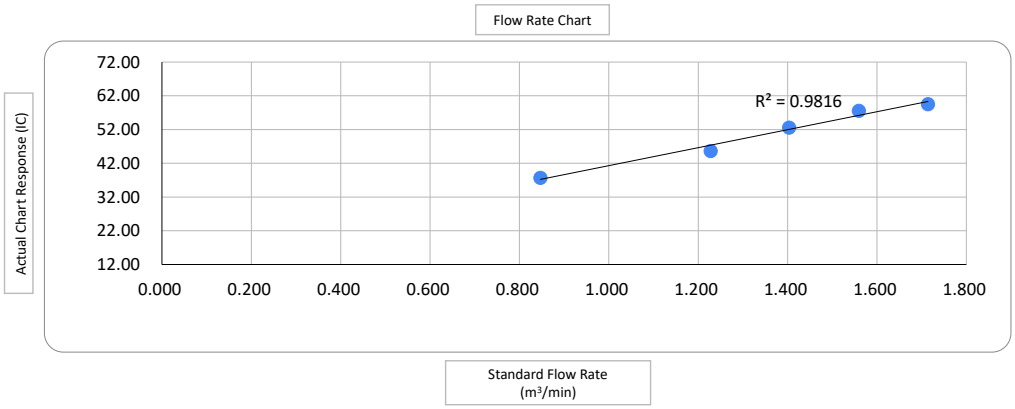
Calculations

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

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

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:**	**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

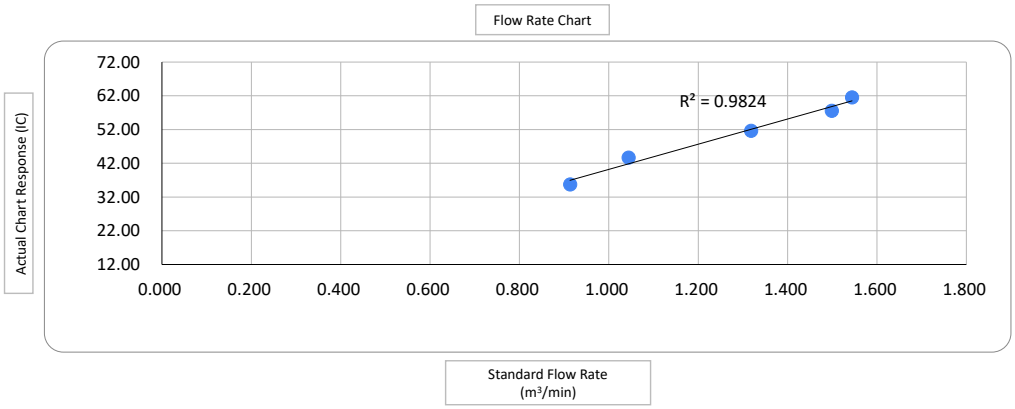
Calculations

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

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

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:**	**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

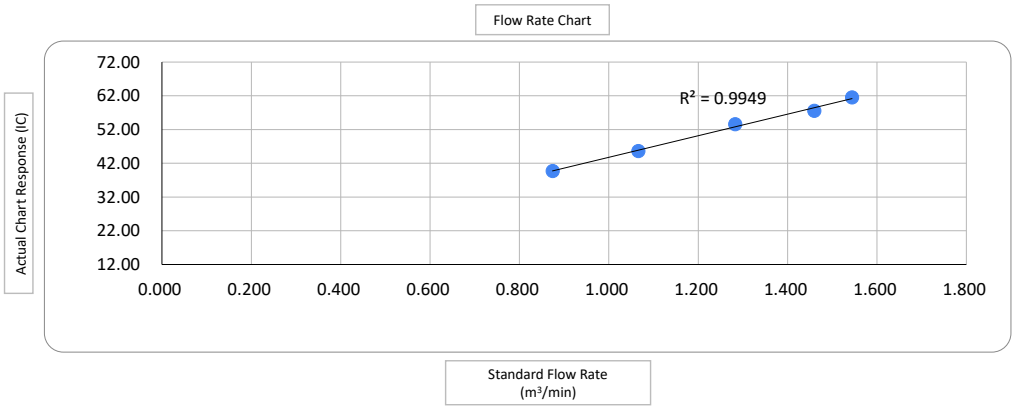
Calculations

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

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

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
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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

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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

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-BE060091
Date of Issue : 18 June 2025
Page No. : 1 of 2

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 :	22C106561
Date of Received :	12 June 2025
Date of Calibration :	16 June 2025
Date of Next Calibration :	16 September 2025
Request No. :	D-BE060091

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
Salinity	APHA 21e 2520 B
Dissolved oxygen	APHA 23e 4500-O G (Membrane Electrode Method)
Turbidity	APHA 21e 2130 B (Nephelometric Method)
Conductivity	APHA 21e 2510 B

PART D - CALIBRATION RESULT

(1) pH value

Target (pH unit)	Display Reading (pH unit)	Tolerance	Result
4.00	4.06	0.06	Satisfactory
7.42	7.29	-0.13	Satisfactory
10.01	9.95	-0.06	Satisfactory

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

(2) Temperature

Reading of Ref. thermometer (°C)	Display Reading (°C)	Tolerance (°C)	Result
43.2	42.0	-1.2	Satisfactory
28.3	27.4	-0.9	Satisfactory
10.3	10.6	0.3	Satisfactory

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

(3) Salinity

Expected Reading (g/L)	Display Reading (g/L)	Tolerance (%)	Result
10	9.96	-0.4	Satisfactory
20	19.57	-2.15	Satisfactory
30	29.47	-1.77	Satisfactory

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

--- 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

Test Report No. : R-BE060091
Date of Issue : 18 June 2025

(4) Dissolved oxygen

Expected Reading (mg/L)	Display Reading (mg/L)	Tolerance (mg/L)	Result
7.43	7.67	0.24	Satisfactory
4.28	4.49	0.21	Satisfactory
3.11	3.25	0.14	Satisfactory
0.09	0.39	0.30	Satisfactory

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

(5) Turbidity

Expected Reading (NTU)	Display Reading (NTU)	Tolerance [a] (%)	Result
0	0.37	-	Satisfactory
10	10.48	4.8	Satisfactory
20	20.01	0.05	Satisfactory
100	102.81	2.81	Satisfactory
800	811.84	1.48	Satisfactory

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

(6) Conductivity

Expected Reading (µS/cm at 25°C)	Display Reading (µS/cm at 25°C)	Tolerance (%)	Result
146.9	157.7	7.35	Satisfactory
1412	1412	0	Satisfactory
12890	12897	0.05	Satisfactory
58670	59353	1.16	Satisfactory
111900	115441	3.16	Satisfactory

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

[a] For 0 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
04/07/2025	Sibata LD-5R	882106	1.0437	Fine	8:35	9:35	10:35	29	29	27	28	285	500
10/07/2025	Sibata LD-5R	882106	1.0437	Fine	8:15	9:15	10:15	30	31	29	30		
16/07/2025	Sibata LD-5R	0Z4545	1.0451	Fine	8:36	9:36	10:36	29	21	24	25		
22/07/2025	Sibata LD-5R	882106	1.0437	Fine	8:20	9:20	10:20	30	29	27	29		
28/07/2025	Sibata LD-5R	0Z4545	1.0451	Fine	8:35	9:35	10:35	44	45	46	45		
							Average	**31**					
							Max.	**46**					
							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
04/07/2025	Sibata LD-5R	0Z4545	1.0451	Fine	8:50	9:50	10:50	39	38	40	39	279	500
10/07/2025	Sibata LD-5R	942532	1.1020	Fine	8:30	9:30	10:30	42	41	40	41		
16/07/2025	Sibata LD-5R	942532	1.1020	Fine	8:19	9:19	10:19	40	41	42	41		
22/07/2025	Sibata LD-5R	942532	1.1020	Fine	8:39	9:39	10:39	41	44	42	42		
28/07/2025	Sibata LD-5R	942532	1.1020	Fine	8:13	9:13	10:13	31	34	29	31		
							Average	**39**					
							Max.	**44**					
							Min.	**29**					

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
04/07/2025	Sibata LD-5R	942532	1.1020	Fine	8:10	9:10	10:10	45	46	40	44	285	500
10/07/2025	Sibata LD-5R	0Z4545	1.0451	Fine	8:02	9:02	10:02	51	56	50	52		
16/07/2025	Sibata LD-5R	882106	1.0437	Fine	8:09	9:09	10:09	54	52	56	54		
22/07/2025	Sibata LD-5R	0Z4545	1.0451	Fine	8:01	9:01	10:01	59	60	62	60		
28/07/2025	Sibata LD-5R	882106	1.0437	Fine	8:09	9:09	10:09	51	56	54	54		
							Average	**53**					
							Max.	**62**					
							Min.	**40**					

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)
4/7/2025	Fine	30.7	1004.4	5919.36	5943.36	1440	41	1.0	1383	2.7051	2.7997	0.0946	68		
10/7/2025	Fine	27.1	997.8	5967.15	5991.15	1440	41	0.9	1356	2.7088	2.8054	0.0966	71		
16/7/2025	Fine	31.2	1003.6	6014.62	6038.62	1440	41	0.9	1354	2.6968	2.7819	0.0851	63	164	260
22/7/2025	Fine	28.5	1002.6	6061.60	6085.60	1440	41	0.9	1361	2.7037	2.7925	0.0888	65		
28/7/2025	Fine	29.0	997.5	6109.48	6133.48	1440	41	1.0	1375	2.7062	2.8043	0.0981	71		
												Average	**68**		
												Min	**63**		
												Max	**71**		

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)
4/7/2025	Fine	30.7	1004.4	5728.64	5752.64	1440	40	1.0	1404	2.7159	2.8211	0.1052	75		
10/7/2025	Fine	27.1	997.8	5776.30	5800.30	1440	40	1.0	1403	2.6898	2.7935	0.1037	74		
16/7/2025	Fine	31.2	1003.6	5824.19	5848.19	1440	41	1.0	1421	2.6892	2.7855	0.0963	68	152	260
22/7/2025	Fine	28.5	1002.6	5871.87	5895.87	1440	40	1.0	1407	2.6908	2.7918	0.1010	72		
28/7/2025	Fine	29.0	997.5	5919.84	5943.84	1440	41	1.0	1417	2.7087	2.8166	0.1079	76		
												Average	**73**		
												Min	**68**		
												Max	**76**		

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)
4/7/2025	Fine	30.7	1004.4	6536.66	6560.66	1440	42	0.9	1304	2.7109	2.8160	0.1051	81		
10/7/2025	Fine	27.1	997.8	6584.37	6608.37	1440	41	0.9	1280	2.6763	2.7905	0.1142	89		
16/7/2025	Fine	31.2	1003.6	6631.51	6655.51	1440	41	0.9	1279	2.6914	2.7939	0.1025	80	163	260
22/7/2025	Fine	28.5	1002.6	6679.38	6703.38	1440	42	0.9	1307	2.6937	2.7933	0.0996	76		
28/7/2025	Fine	29.0	997.5	6725.87	6749.87	1440	42	0.9	1296	2.7059	2.8134	0.1075	83		
												Average	**82**		
												Min	**76**		
												Max	**89**		

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
04/07/2025	Fine	1.2	8:30	9:00	60.1	59.2	58.6	59.9	60.2	60.5	59.8	62.2	60.2	59.9	62.2	62.4	61.9	59.2	57.6	57.5	58.5	59.1	58.6
10/07/2025	Fine	1.4	8:09	8:39	59.6	58.5	60.4	61.2	60.3	60.0	60.1	61.9	59.9	62.9	62.5	62.5	61.9	58.3	57.6	58.5	60.2	58.6	58.4
15/07/2025	Fine	1.1	8:02	8:32	59.4	60.3	58.9	58.2	60.4	60.6	59.7	61.2	62.4	60.9	60.4	62.1	62.9	58.2	59.2	57.2	57.1	59.1	58.3
22/07/2025	Fine	1.2	8:10	8:40	58.4	59.2	57.6	57.8	59.4	58.6	58.6	60.1	61.4	59.5	59.6	60.6	60.9	57.0	58.1	56.6	55.9	57.6	57.9
28/07/2025	Fine	1.3	8:00	8:30	59.4	61.2	58.1	58.6	60.3	61.4	60.0	60.6	62.5	60.3	59.9	62.2	62.9	57.9	60.3	57.6	57.1	59.3	60.4
								Average			59.7												
								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
04/07/2025	Fine	1.1	10:30	11:00	45.6	46.2	45.9	44.5	44.2	45.2	45.3	47.2	48.2	48.1	46.2	45.9	47.6	43.4	44.2	43.6	42.4	42.6	43.6
10/07/2025	Fine	1.3	10:45	11:15	45.6	44.5	49.2	48.6	47.5	48.2	47.6	47.2	46.2	51.3	50.2	48.6	49.2	43.6	43.2	47.2	47.2	46.5	46.2
15/07/2025	Fine	1.0	11:59	12:29	44.2	43.2	42.9	44.5	43.0	43.6	43.6	45.2	44.9	44.1	40.1	44.6	44.9	42.5	41.4	40.3	43.1	42.1	41.4
22/07/2025	Fine	1.0	11:50	12:20	41.2	43.2	43.9	44.1	44.9	43.9	43.7	42.4	45.2	44.9	45.2	45.9	44.4	40.2	41.2	42.9	42.6	43.2	42.1
28/07/2025	Fine	1.1	10:39	11:09	54.3	53.6	53.7	54.2	55.1	56.2	54.6	56.4	55.6	54.9	55.2	56.6	57.9	53.0	52.1	51.9	52.5	53.1	55.1
								Average			49.3												
								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
15-Jul-25	11:47	Fine	0.1	0.2	25.2	7.5	<7.4	<4	6.8	>7.7	>7.8	4.7	>9.2	>9.5	4.4	>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
15-Jul-25	8:40	Fine	0.30	0.2	25.2	7.7	<5	<4	6.9	>7.6	>7.7	62.6	>108.3	>108.9	65.7	>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	: HK2530143
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	: 15-Jul-2025
Order number	: ----	Quote number	: HKE/2751/2022_V5	Issue Date	: 29-Jul-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 15-Jul-2025 to 28-Jul-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: HK2530143

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 14:55.

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	15-Jul-2025	15-Jul-2025	----	----	----
					HK2530143-001	HK2530143-002	-------	-------	-------
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	0.1	mg/L		4.4	65.7	----	----	----
ED037: Total Alkalinity as CaCO3	----	1	mg/L		12	37	----	----	----
ED/EK: Inorganic Nonmetallic Parameters									
ED041K: Sulphate as SO4 - Turbidimetric	----	1	mg/L		2	24	----	----	----
ED045K: Chloride	16887-00-6	0.5	mg/L		6	5	----	----	----
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		0.05	0.09	----	----	----
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		0.04	0.22	----	----	----
EK061A: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.4	0.2	----	----	----
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		3	2	----	----	----
EP020: Oil & Grease	----	5	mg/L		<5	<5	----	----	----
EP026C: Chemical Oxygen Demand	----	5	mg/L		8	6	----	----	----
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	<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		3	2	----	----	----
EG020: Lead	7439-92-1	1	µg/L		<1	4	----	----	----
EG020: Manganese	7439-96-5	1	µg/L		17	887	----	----	----
EG020: Nickel	7440-02-0	1	µg/L		<1	<1	----	----	----
EG020: Zinc	7440-66-6	10	µg/L		14	26	----	----	----
EG032: Calcium	7440-70-2	50	µg/L		2580	19100	----	----	----
EG032: Iron	7439-89-6	10	µg/L		340	2390	----	----	----
EG032: Magnesium	7439-95-4	50	µg/L		440	1410	----	----	----
EG032: Potassium	7440-09-7	50	µg/L		620	3290	----	----	----
EG032: Sodium	7440-23-5	50	µg/L		6060	5340	----	----	----
EM: Microbiological Testing									
EM002: E. coli	----	1	CFU/100mL		720	640	----	----	----

Sub-Matrix: WATER			Sample ID	WM 1	WM2	----	----	----
			Sampling date / time	15-Jul-2025	15-Jul-2025	----	----	----
Compound	CAS Number	LOR	Unit	HK2530143-001	HK2530143-002	--------	--------	--------
EM: Microbiological Testing - Continued								
EM003: Total Coliforms	----	1	CFU/100mL	4700	4300	----	----	----

-------- 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: 6723035)								
HK2530143-001	WM 1	ED037: Total Alkalinity as CaCO3	----	1	mg/L	12	12	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 6727281)								
HK2530537-001	Anonymous	EA025: Suspended Solids (SS)	----	0.5	mg/L	5.6	5.6	0.0
HK2530537-002	Anonymous	EA025: Suspended Solids (SS)	----	0.5	mg/L	5.8	5.4	6.6
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 6722617)								
HK2530125-001	Anonymous	EK071K: Reactive Phosphorus as P	14265-44-2	0.01	mg/L	0.12	0.12	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 6727194)								
HK2530143-001	WM 1	EK086: Sulphite as SO3 2-	14265-45-3	2	mg/L	<2	<2	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 6735271)								
HK2530143-001	WM 1	ED041K: Sulphate as SO4 - Turbidimetric	----	1	mg/L	2	2	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 6735272)								
HK2530143-001	WM 1	ED045K: Chloride	16887-00-6	1	mg/L	6	6	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 6736643)								
HK2531153-001	Anonymous	EK055K: Ammonia as N	7664-41-7	0.01	mg/L	12.1	12.6	3.9
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 6741653)								
HK2530143-001	WM 1	EK061A: Total Kjeldahl Nitrogen as N	----	0.1	mg/L	0.4	0.5	0.0
EP: Aggregate Organics (QC Lot: 6735546)								
HK2530840-005	Anonymous	EP005: Total Organic Carbon	----	1	mg/L	<1	<1	0.0
EP: Aggregate Organics (QC Lot: 6737836)								
HK2530270-001	Anonymous	EP026C: Chemical Oxygen Demand	----	5	mg/L	<5	<5	0.0
EG: Metals and Major Cations - Total (QC Lot: 6724308)								
HK2530143-002	WM2	EG020: Cadmium	7440-43-9	0.2	µg/L	<0.2	<0.2	0.0
		EG020: Copper	7440-50-8	1	µg/L	2	2	0.0
		EG020: Lead	7439-92-1	1	µg/L	4	4	0.0
		EG020: Manganese	7439-96-5	1	µg/L	887	919	3.5
		EG020: Nickel	7440-02-0	1	µg/L	<1	<1	0.0
		EG020: Zinc	7440-66-6	10	µg/L	26	27	5.0
EG: Metals and Major Cations - Total (QC Lot: 6724309)								

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: 6724309) - Continued								
HK2530143-002	WM2	**EG032: Iron**	7439-89-6	10	µg/L	2390	2380	0.8
		EG032: Calcium	7440-70-2	50	µg/L	19100	19300	0.8
		EG032: Magnesium	7439-95-4	50	µg/L	1410	1400	0.0
		EG032: Potassium	7440-09-7	50	µg/L	3290	3290	0.0
		EG032: Sodium	7440-23-5	50	µg/L	5340	5400	1.1

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: 6723035)											
ED037: Total Alkalinity as CaCO3	----	1	mg/L	<1	50 mg/L	104	----	95.0	105	----	----
EA/ED: Physical and Aggregate Properties (QC Lot: 6727281)											
EA025: Suspended Solids (SS)	----	0.5	mg/L	<0.5	10 mg/L	95.0	----	85.0	115	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 6722617)											
EK071K: Reactive Phosphorus as P	14265-44-2	0.01	mg/L	<0.01	0.5 mg/L	97.6	----	90.2	107	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 6727194)											
EK086: Sulphite as SO3 2-	14265-45-3	2	mg/L	<2	----	----	----	----	----	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 6735271)											
ED041K: Sulphate as SO4 - Turbidimetric	----	1	mg/L	<1	5 mg/L	103	----	89.8	117	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 6735272)											
ED045K: Chloride	16887-00-6	1	mg/L	<1	10 mg/L	96.3	----	91.8	106	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 6736643)											
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	0.5 mg/L	108	----	85.2	112	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 6741653)											
EK061A: Total Kjeldahl Nitrogen as N	----	0.1	mg/L	<0.1	0.5 mg/L	101	----	85.0	115	----	----
EP: Aggregate Organics (QC Lot: 6723577)											
EP030: Biochemical Oxygen Demand	----	----	mg/L	----	198 mg/L	105	----	85.0	115	----	----
EP: Aggregate Organics (QC Lot: 6723579)											

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: 6723579) - Continued											
EP030: Biochemical Oxygen Demand	----	----	mg/L	----	198 mg/L	100	----	85.0	115	----	----
EP: Aggregate Organics (QC Lot: 6734971)											
EP020: Oil & Grease	----	2	mg/L	<2	20 mg/L	88.8	----	85.0	115	----	----
EP: Aggregate Organics (QC Lot: 6735546)											
EP005: Total Organic Carbon	----	1	mg/L	<1	5 mg/L	105	----	85.0	115	----	----
				<1	100 mg/L	98.9	----	84.1	117	----	----
EP: Aggregate Organics (QC Lot: 6737836)											
EP026C: Chemical Oxygen Demand	----	----	mg/L	----	25 mg/L	106	----	90.0	111	----	----
				----	250 mg/L	99.5	----	94.3	104	----	----
EG: Metals and Major Cations - Total (QC Lot: 6724308)											
EG020: Cadmium	7440-43-9	0.2	µg/L	<0.2	5 µg/L	105	----	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	101	----	89.0	111	----	----
EG020: Manganese	7439-96-5	1	µg/L	<1	50 µg/L	104	----	85.0	115	----	----
EG020: Nickel	7440-02-0	1	µg/L	<1	50 µg/L	108	----	87.0	110	----	----
EG020: Zinc	7440-66-6	10	µg/L	<10	50 µg/L	104	----	86.0	114	----	----
EG: Metals and Major Cations - Total (QC Lot: 6724309)											
EG032: Calcium	7440-70-2	50	µg/L	<50	2000 µg/L	105	----	85.0	115	----	----
EG032: Iron	7439-89-6	10	µg/L	<10	2000 µg/L	106	----	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	101	----	85.0	115	----	----
EG032: Sodium	7440-23-5	50	µg/L	<50	2000 µg/L	100.0	----	85.0	115	----	----

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

Matrix: **WATER**

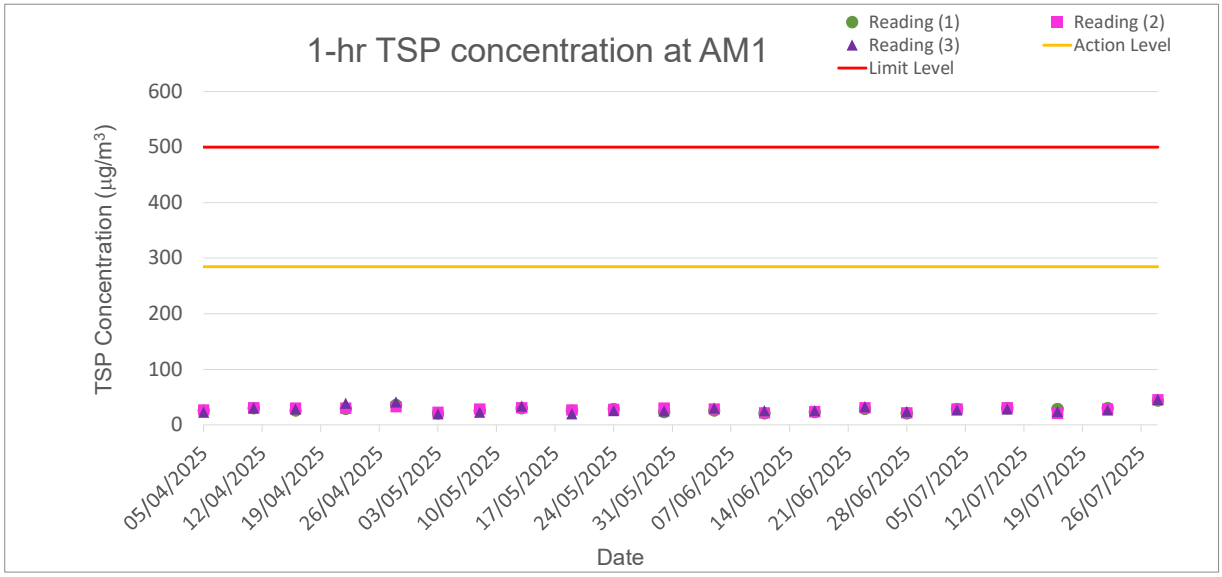
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report						
				Spike Concentration	Spike Recovery (%)		Recovery Limits (%)		RPD (%)	
					MS	MSD	Low	High	Value	Control Limit
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 6722617)										
HK2530125-001	Anonymous	EK071K: Reactive Phosphorus as P	14265-44-2	0.5 mg/L	99.4	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 6735271)										
HK2530143-001	WM 1	ED041K: Sulphate as SO4 - Turbidimetric	----	5 mg/L	96.3	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 6735272)										
HK2530143-001	WM 1	ED045K: Chloride	16887-00-6	5 mg/L	94.2	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 6736643)										
HK2531153-001	Anonymous	EK055K: Ammonia as N	7664-41-7	50 mg/L	110	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 6741653)										
HK2530143-001	WM 1	EK061A: Total Kjeldahl Nitrogen as N	----	0.5 mg/L	95.9	----	75.0	125	----	----
EP: Aggregate Organics (QC Lot: 6735546)										
HK2530840-005	Anonymous	EP005: Total Organic Carbon	----	5 mg/L	94.9	----	75.0	125	----	----
EP: Aggregate Organics (QC Lot: 6737836)										
HK2530270-001	Anonymous	EP026C: Chemical Oxygen Demand	----	10 mg/L	100	----	75.0	125	----	----
EG: Metals and Major Cations - Total (QC Lot: 6724308)										
HK2530143-001	WM 1	EG020: Cadmium	7440-43-9	5 µg/L	109	----	75.0	125	----	----
		EG020: Copper	7440-50-8	50 µg/L	93.5	----	75.0	125	----	----
		EG020: Lead	7439-92-1	50 µg/L	103	----	75.0	125	----	----
		EG020: Manganese	7439-96-5	50 µg/L	106	----	75.0	125	----	----
		EG020: Nickel	7440-02-0	50 µg/L	110	----	75.0	125	----	----
		EG020: Zinc	7440-66-6	50 µg/L	98.8	----	75.0	125	----	----
EG: Metals and Major Cations - Total (QC Lot: 6724309)										
HK2530143-001	WM 1	EG032: Calcium	7440-70-2	2000 µg/L	98.7	----	75.0	125	----	----
		EG032: Iron	7439-89-6	2000 µg/L	101	----	75.0	125	----	----
		EG032: Magnesium	7439-95-4	2000 µg/L	97.7	----	75.0	125	----	----
		EG032: Potassium	7440-09-7	2000 µg/L	101	----	75.0	125	----	----

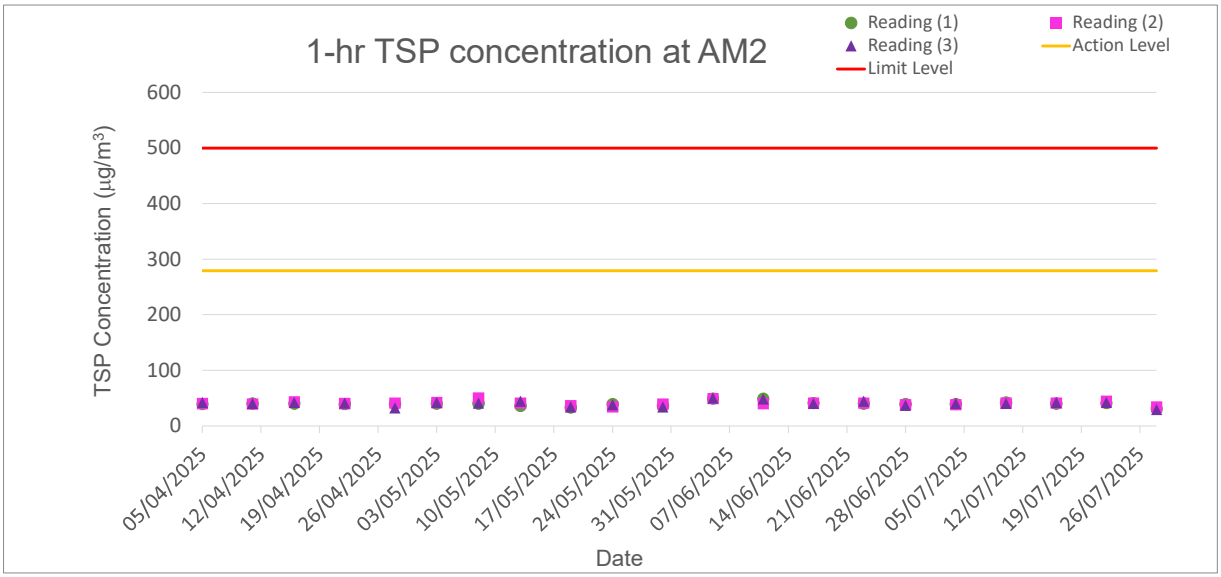
Matrix: **WATER**

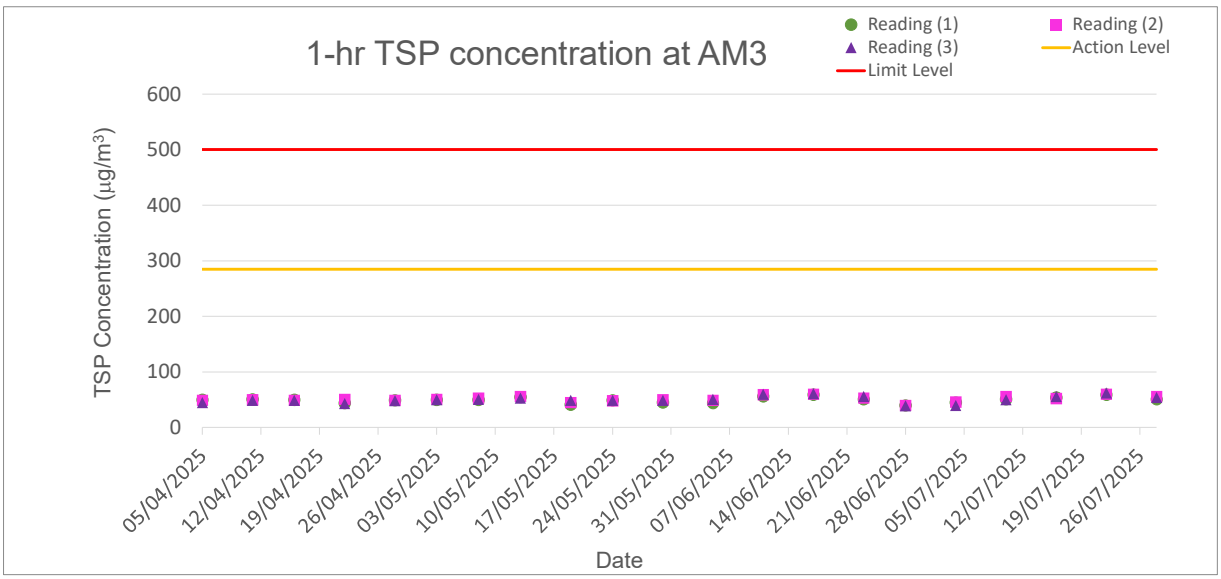
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report						
				Spike Concentration	Spike Recovery (%)		Recovery Limits (%)		RPD (%)	
					MS	MSD	Low	High	Value	Control Limit
EG: Metals and Major Cations - Total (QC Lot: 6724309) - Continued										
HK2530143-001	WM 1	**EG032: Sodium**	7440-23-5	2000 µg/L	97.6	----	75.0	125	----	----

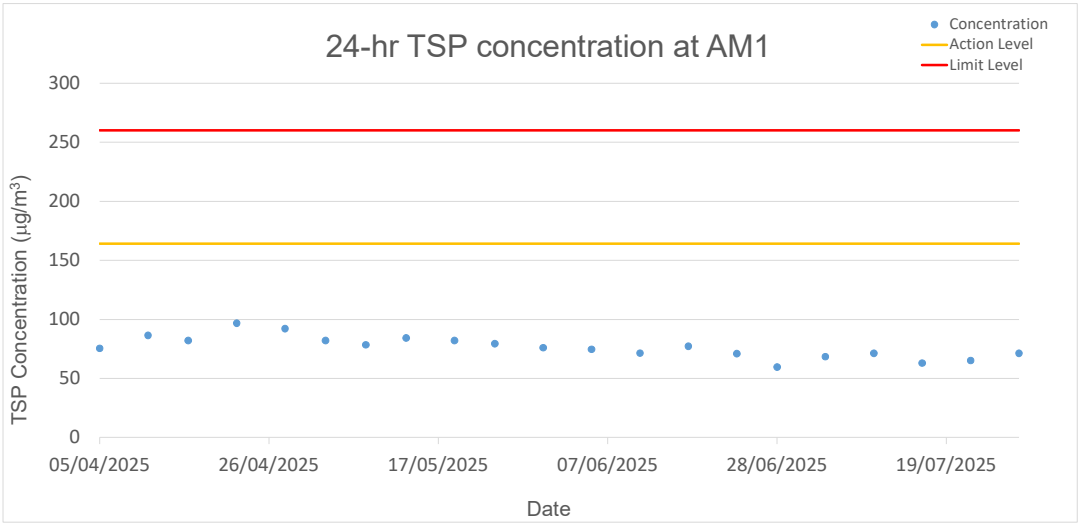
Appendix G Graphical Presentations

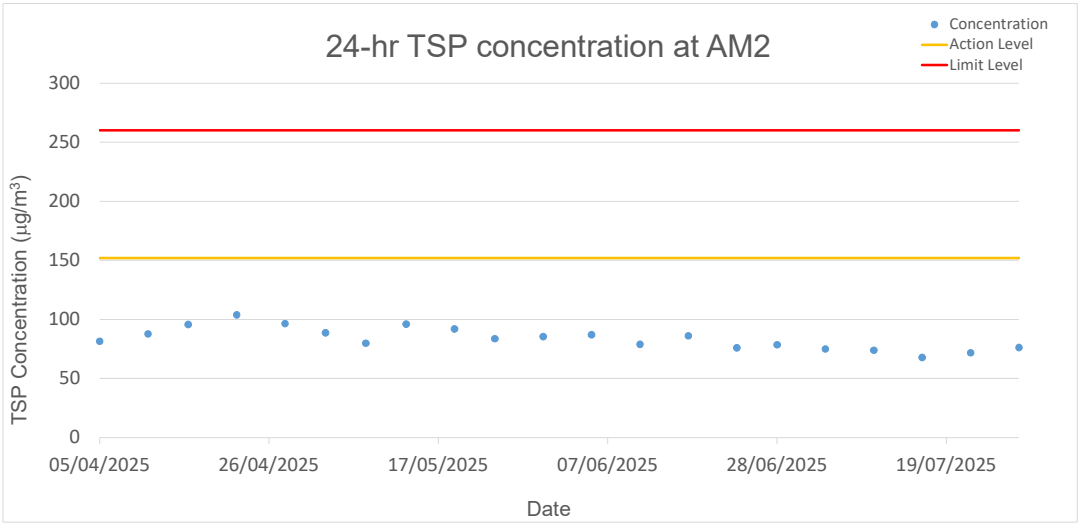
Air Quality

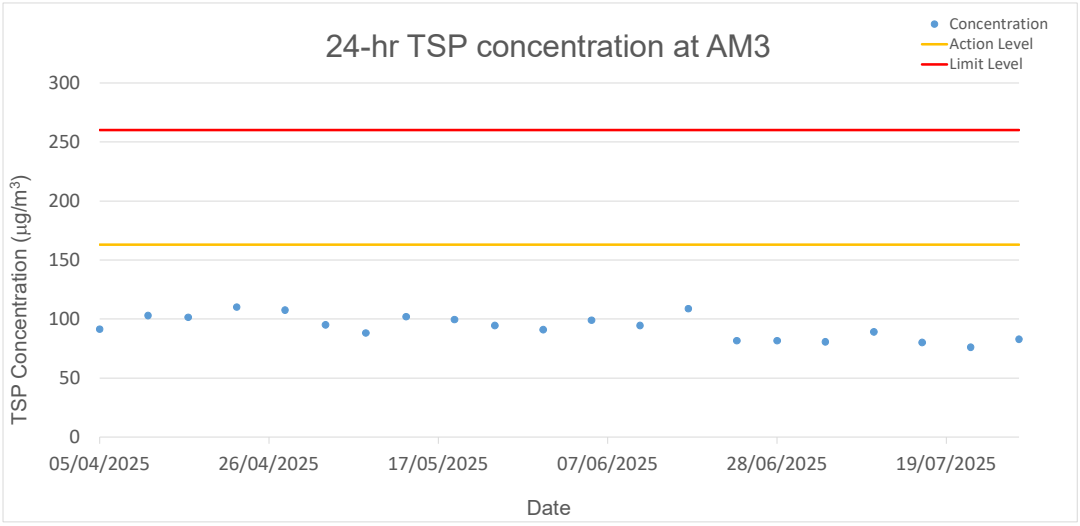

1-hr TSP concentration at AM1
Reading (1)
Reading (2)
Reading (3)
Action Level
Limit Level
TSP Concentration (µg/m³)
600
500
400
300
200
100
0
05/04/2025
12/04/2025
19/04/2025
26/04/2025
03/05/2025
10/05/2025
17/05/2025
24/05/2025
31/05/2025
07/06/2025
14/06/2025
21/06/2025
28/06/2025
05/07/2025
12/07/2025
19/07/2025
26/07/2025
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
05/04/2025
12/04/2025
19/04/2025
26/04/2025
03/05/2025
10/05/2025
17/05/2025
24/05/2025
31/05/2025
07/06/2025
14/06/2025
21/06/2025
28/06/2025
05/07/2025
12/07/2025
19/07/2025
26/07/2025
Date

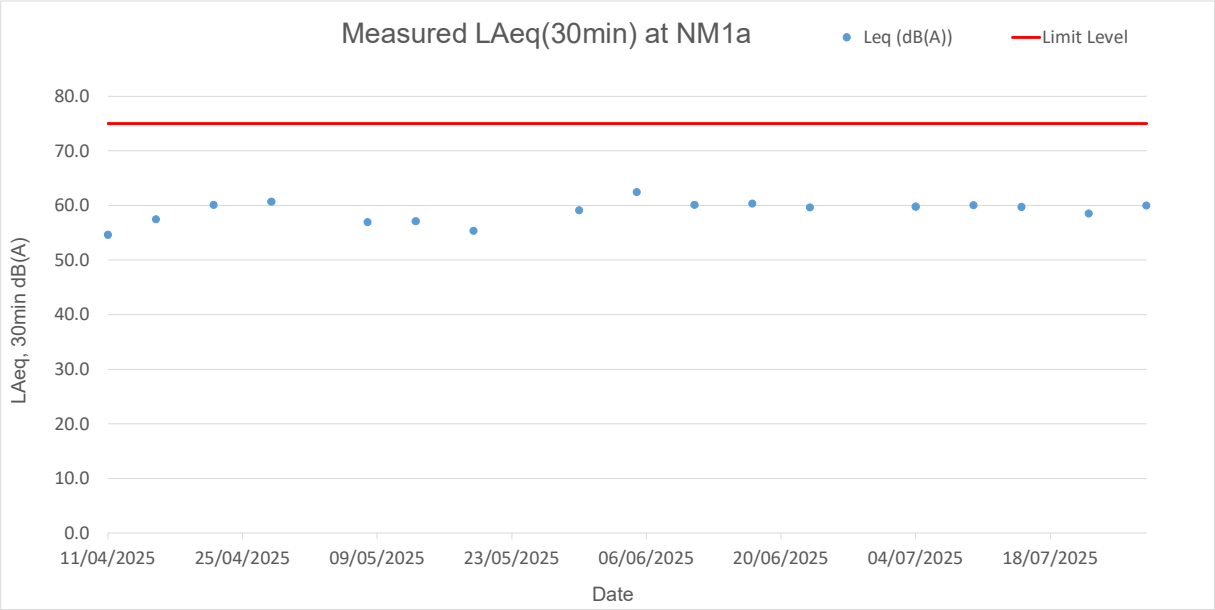

1-hr TSP concentration at AM3
Reading (1)
Reading (2)
Reading (3)
Action Level
Limit Level
TSP Concentration (µg/m³)
600
500
400
300
200
100
0
05/04/2025
12/04/2025
19/04/2025
26/04/2025
03/05/2025
10/05/2025
17/05/2025
24/05/2025
31/05/2025
07/06/2025
14/06/2025
21/06/2025
28/06/2025
05/07/2025
12/07/2025
19/07/2025
26/07/2025
Date

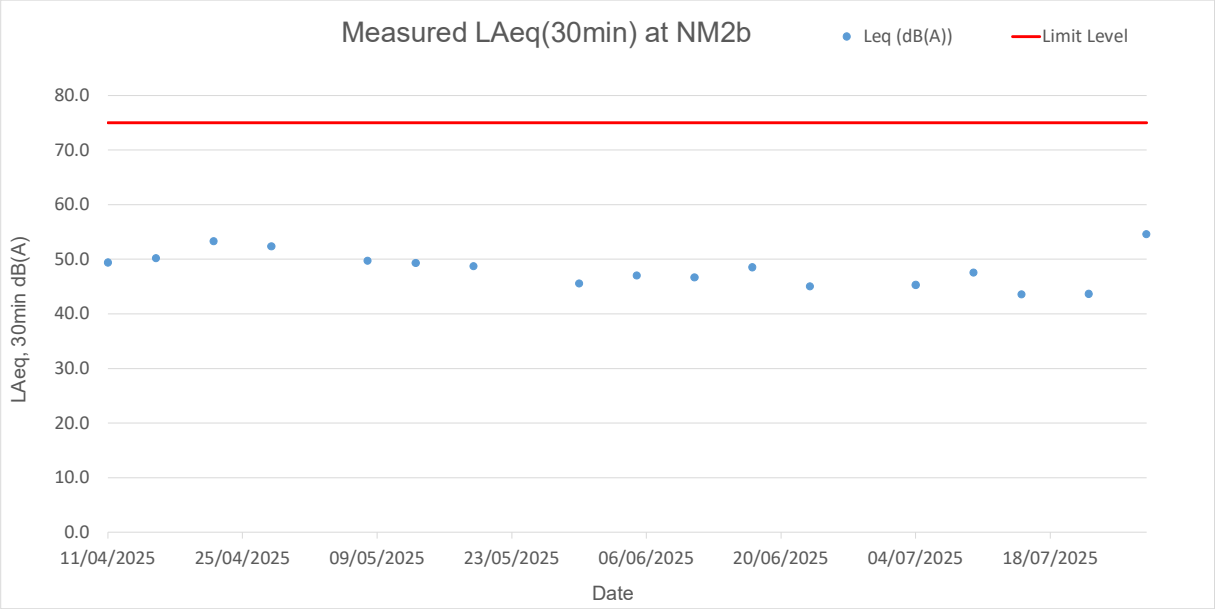

24-hr TSP concentration at AM1
Concentration
Action Level
Limit Level
TSP Concentration (µg/m³)
300
250
200
150
100
50
0
05/04/2025
26/04/2025
17/05/2025
07/06/2025
28/06/2025
19/07/2025
Date


24-hr TSP concentration at AM2
Concentration
Action Level
Limit Level
TSP Concentration (µg/m³)
300
250
200
150
100
50
0
05/04/2025
26/04/2025
17/05/2025
07/06/2025
28/06/2025
19/07/2025
Date


24-hr TSP concentration at AM3
Concentration
Action Level
Limit Level
TSP Concentration (µg/m³)
300
250
200
150
100
50
0
05/04/2025
26/04/2025
17/05/2025
07/06/2025
28/06/2025
19/07/2025
Date

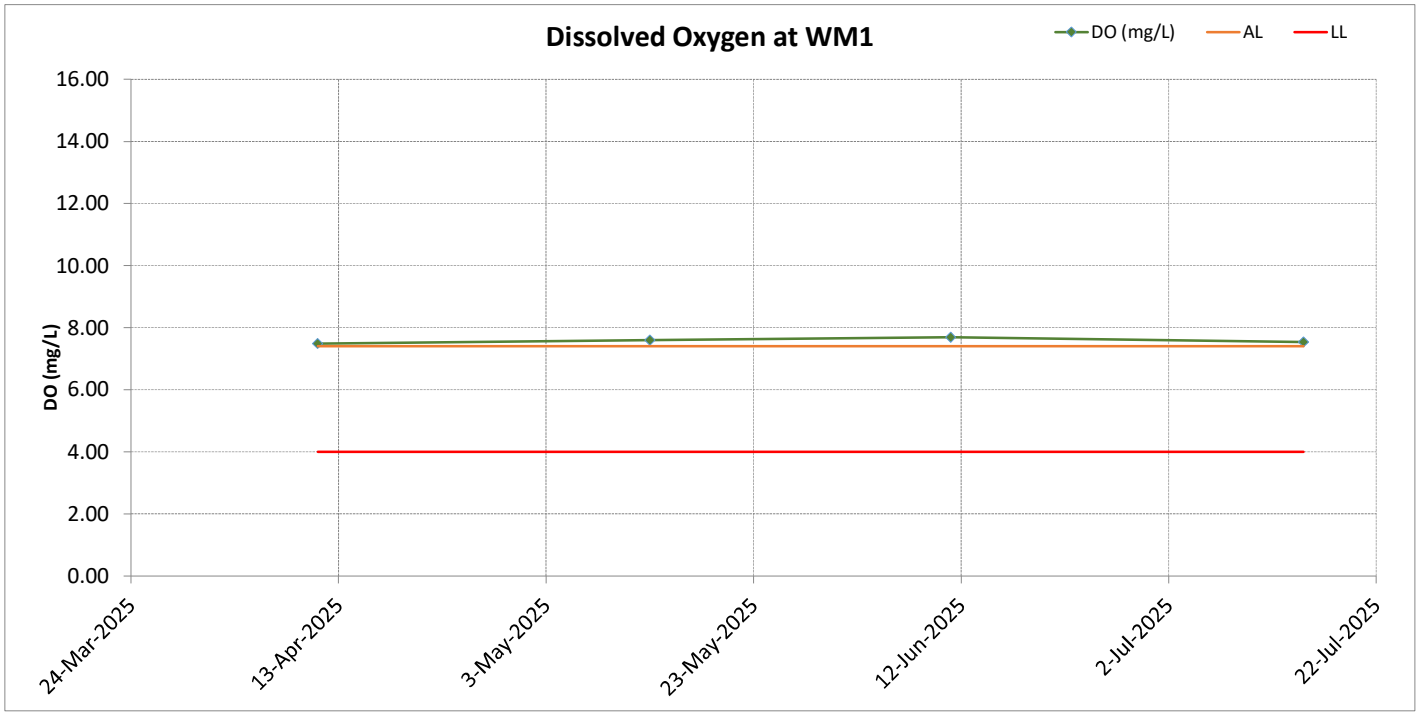
Noise

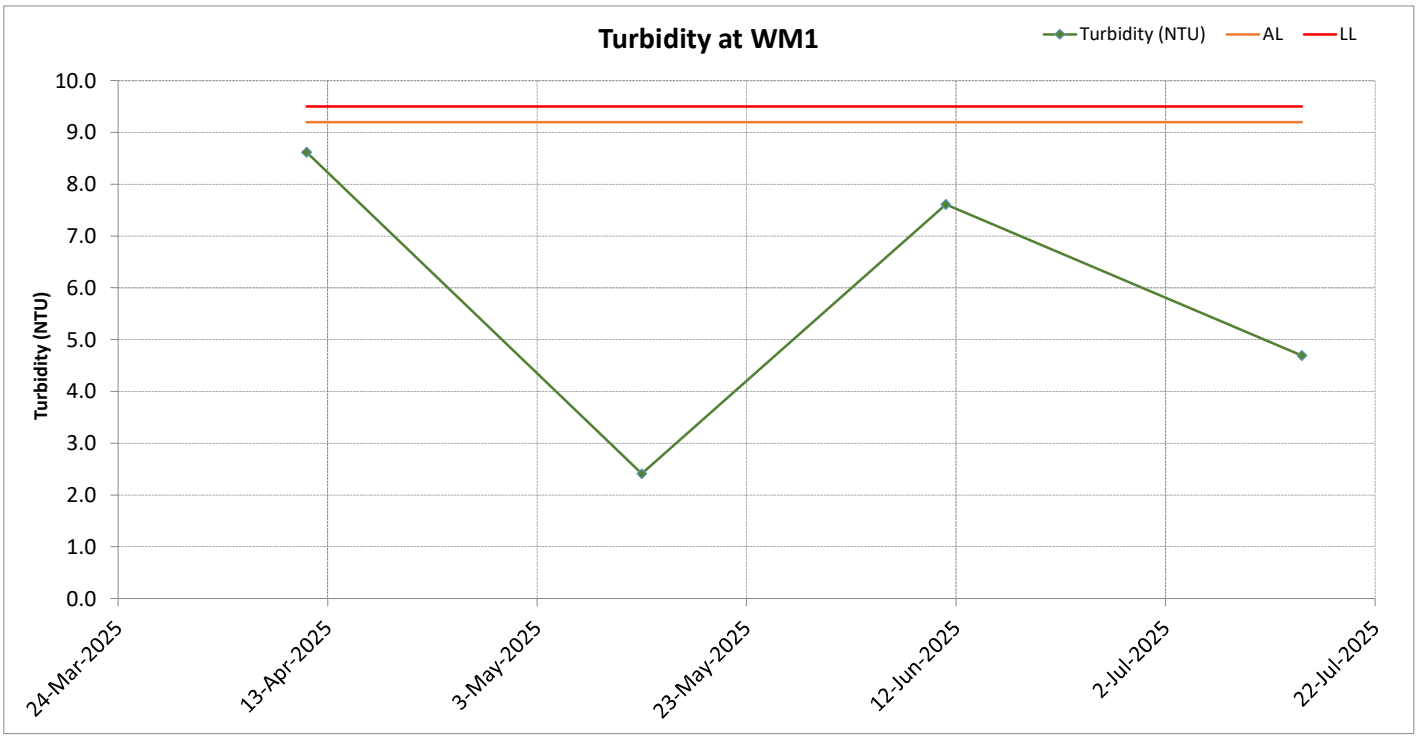

Measured LAeq(30min) at NM1a
Leq (dB(A))
Limit Level
80.0
70.0
60.0
50.0
40.0
30.0
20.0
10.0
0.0
LAeq, 30min dB(A)
11/04/2025
25/04/2025
09/05/2025
23/05/2025
06/06/2025
20/06/2025
04/07/2025
18/07/2025
Date


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)
11/04/2025
25/04/2025
09/05/2025
23/05/2025
06/06/2025
20/06/2025
04/07/2025
18/07/2025
Date

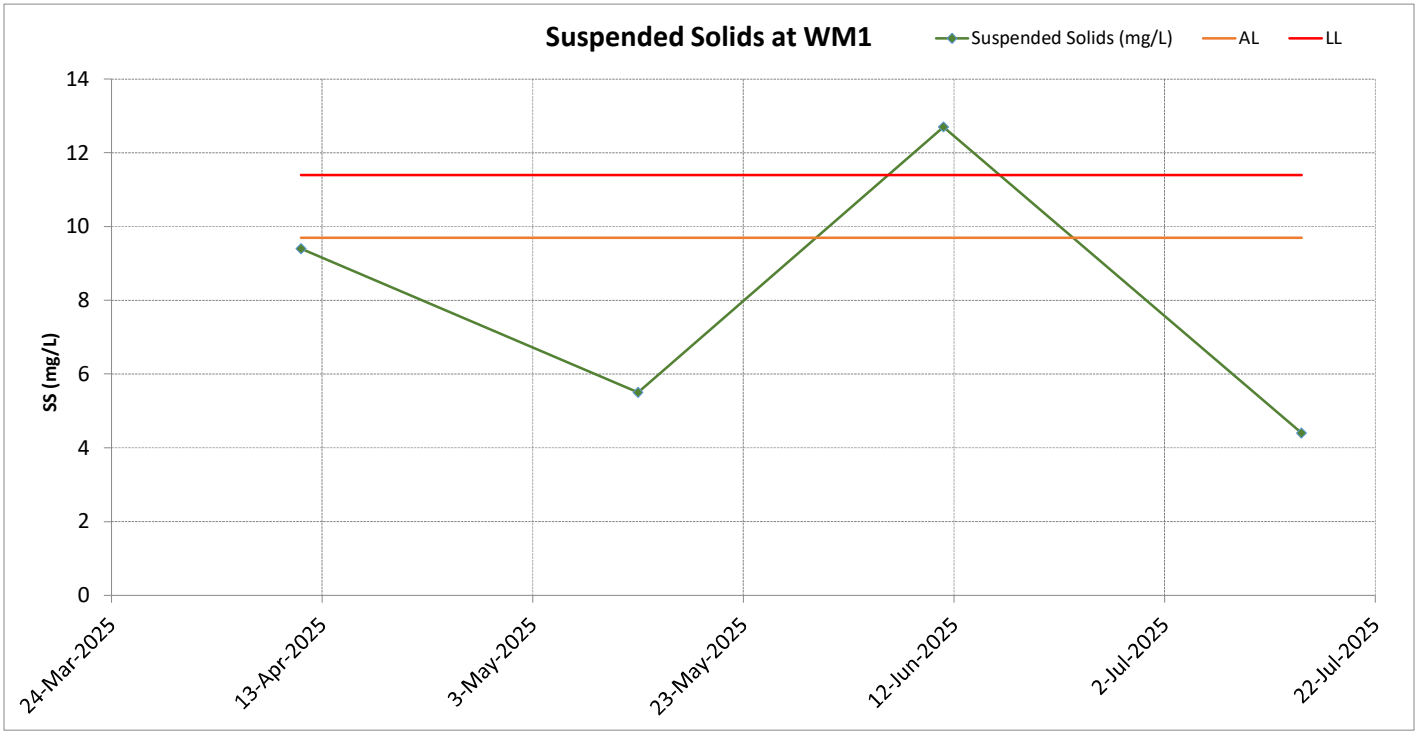
Water Quality

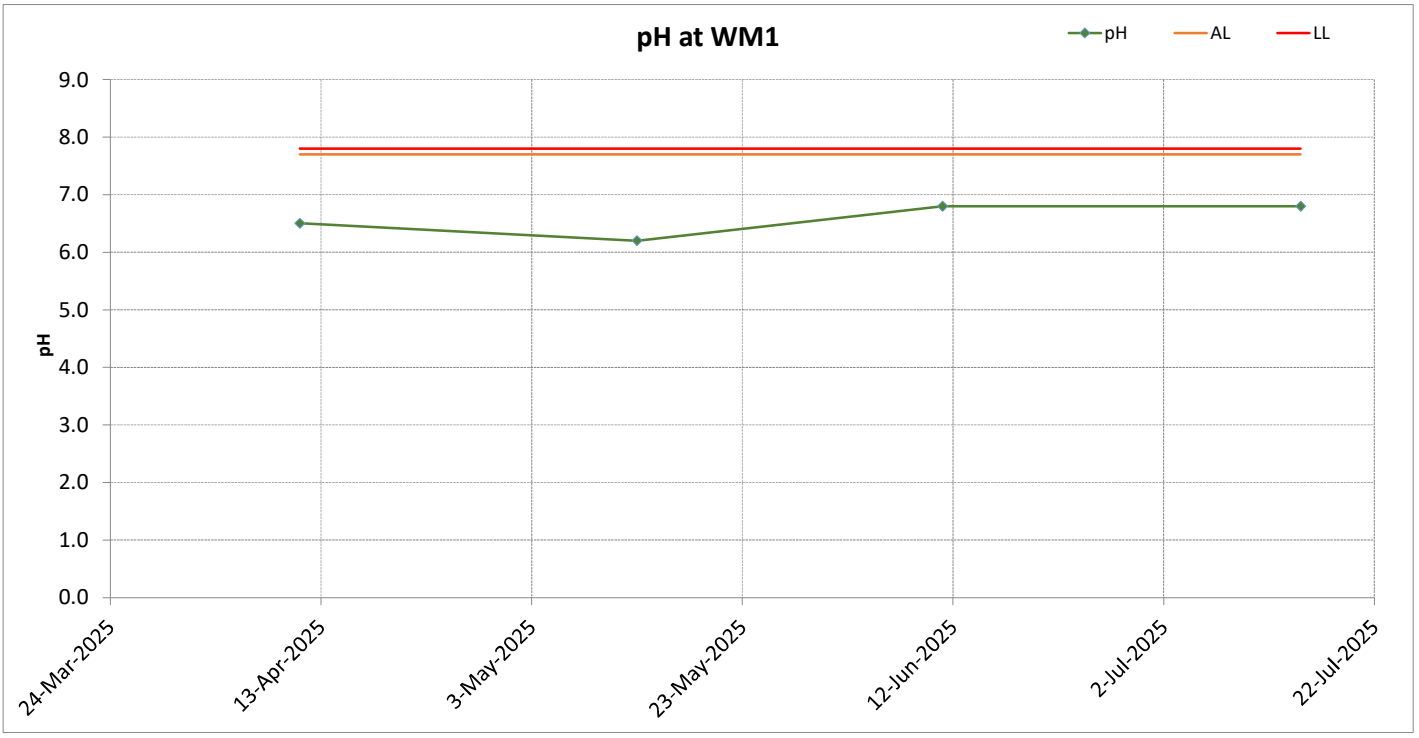
Surface Water Monitoring Results at WM1



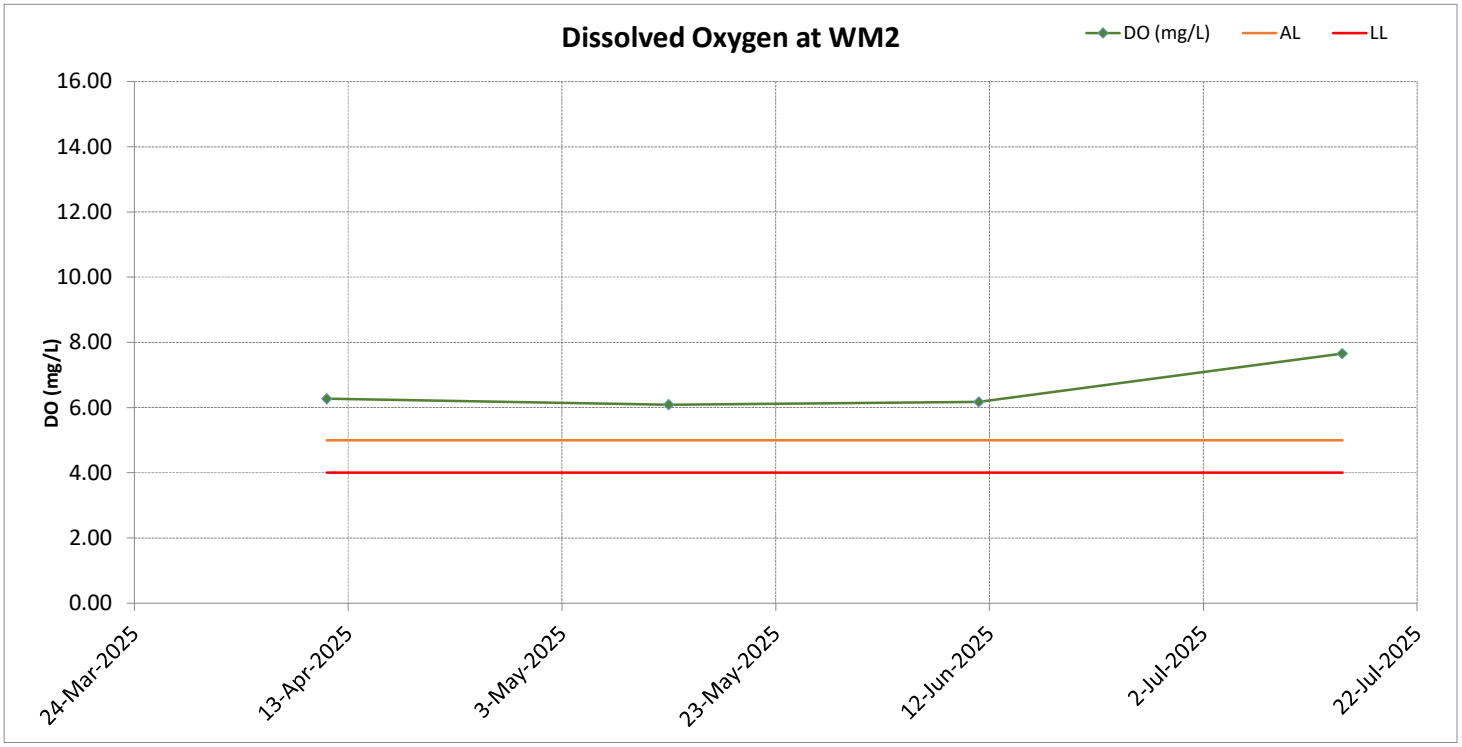


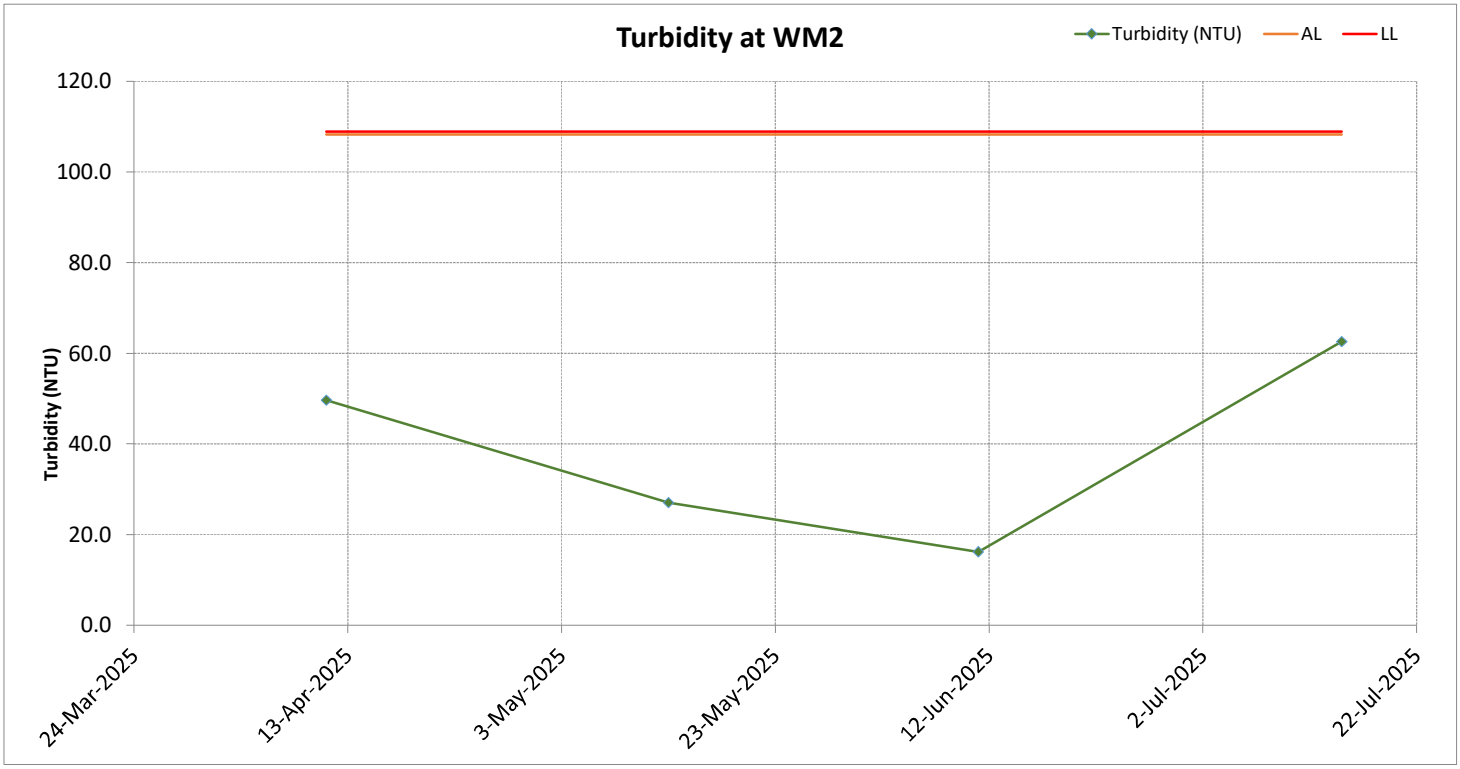
Surface Water Monitoring Results at WM1



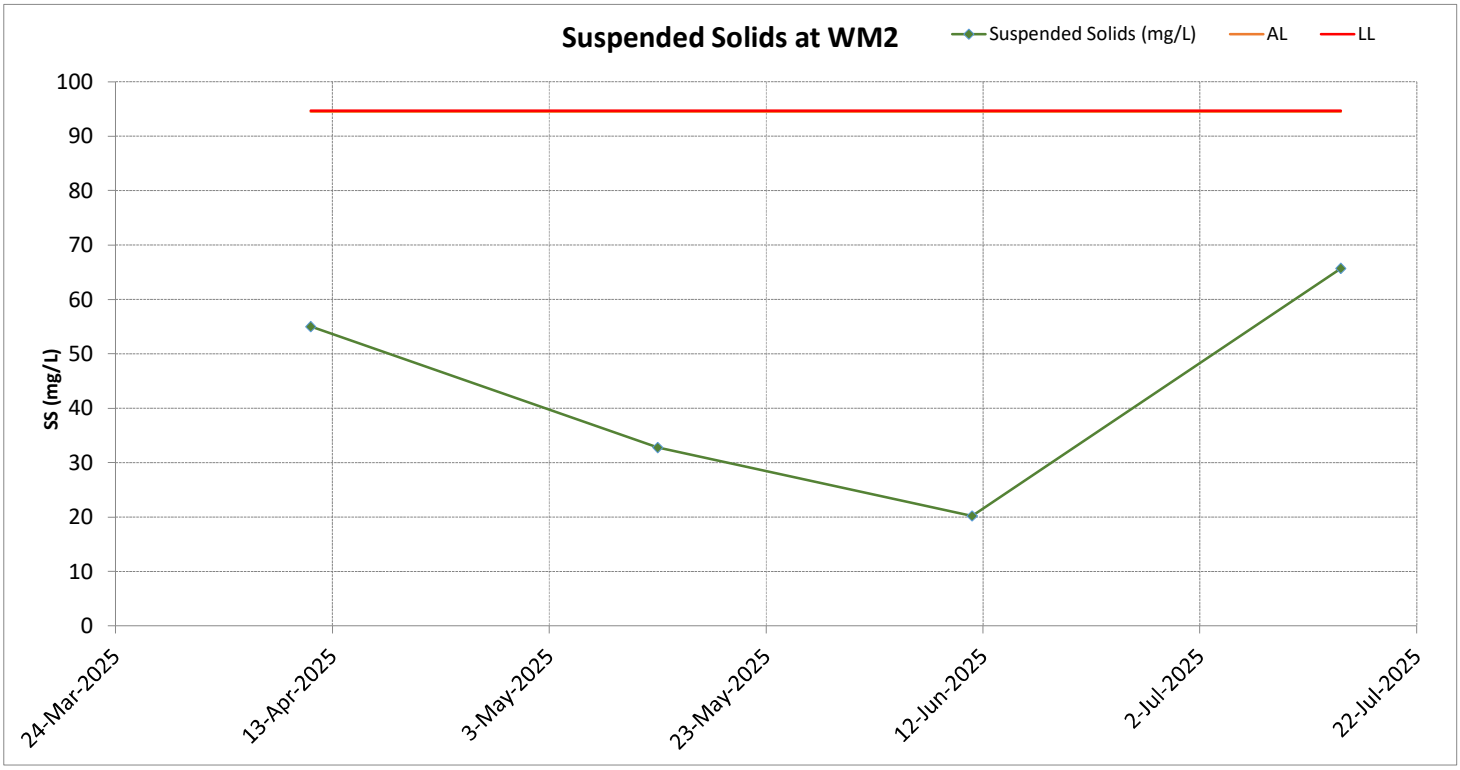


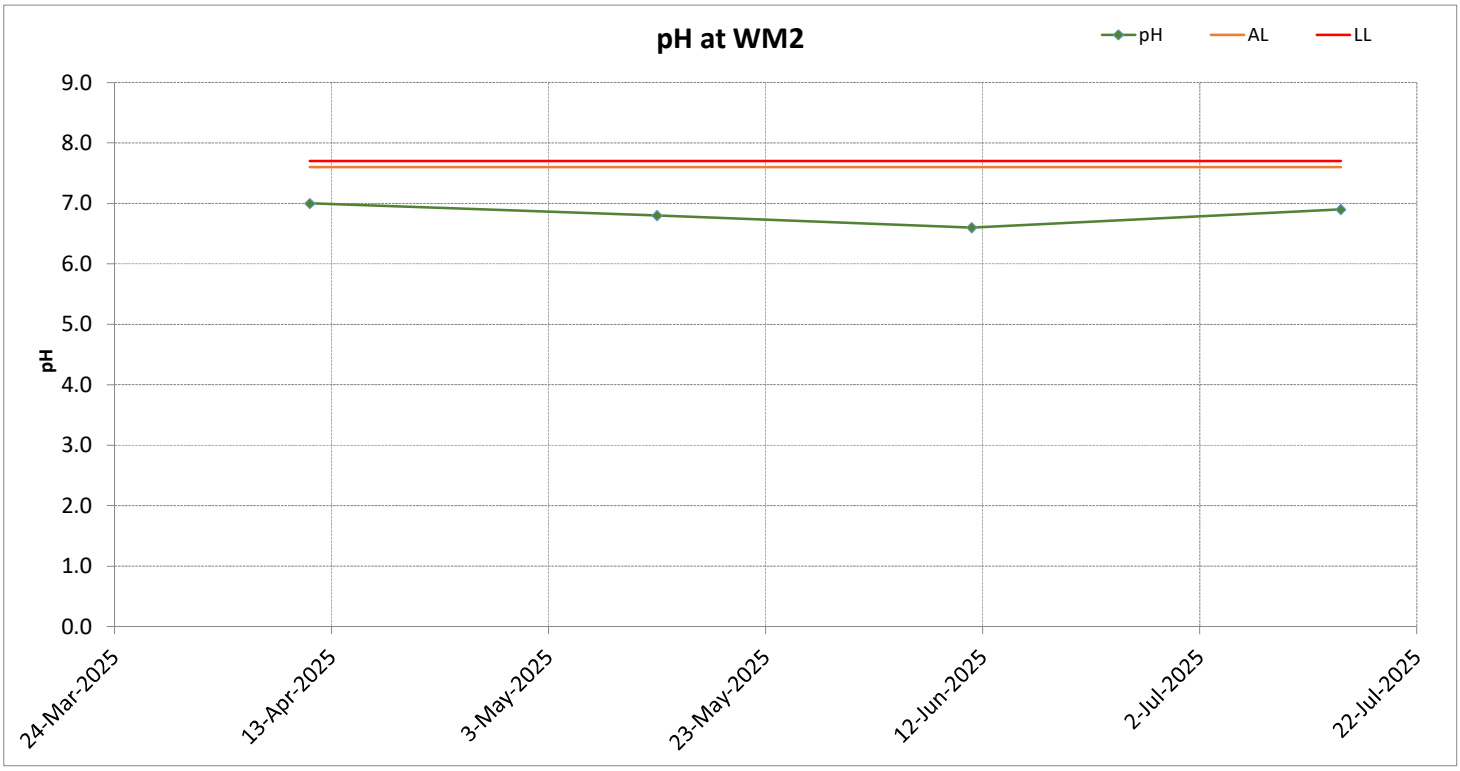
Surface Water Monitoring Results at WM2





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	0	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

Appendix I Wind Data

Date (YYYYMMDD)	Time (HH:MM)	Wind Speed (m/s)	Wind Direction
20250701	00:00	0.9	ESE
20250701	00:15	1.3	SE
20250701	00:30	0.4	NW
20250701	00:45	0.0	NNW
20250701	01:00	0.4	NE
20250701	01:15	0.9	SE
20250701	01:30	0.9	SE
20250701	01:45	2.2	SE
20250701	02:00	2.7	SE
20250701	02:15	1.8	SE
20250701	02:30	1.3	SE
20250701	02:45	1.8	SE
20250701	03:00	1.3	SE
20250701	03:15	0.9	ESE
20250701	03:30	1.3	SE
20250701	03:45	1.8	SE
20250701	04:00	1.3	SE
20250701	04:15	1.3	SE
20250701	04:30	0.9	ESE
20250701	04:45	0.9	SE
20250701	05:00	0.9	SE
20250701	05:15	0.9	SE
20250701	05:30	1.3	SE
20250701	05:45	0.9	SE
20250701	06:00	0.9	SE
20250701	06:15	0.4	SE
20250701	06:30	0.9	SE
20250701	06:45	1.3	SE
20250701	07:00	0.9	SE
20250701	07:15	0.9	SE
20250701	07:30	0.9	SE
20250701	07:45	0.9	SE
20250701	08:00	0.9	SE
20250701	08:15	0.4	ENE
20250701	08:30	0.4	SE
20250701	08:45	0.9	ESE
20250701	09:00	0.4	NNW
20250701	09:15	0.4	NE
20250701	09:30	0.4	NE
20250701	09:45	0.9	SE
20250701	10:00	1.8	SE
20250701	10:15	1.8	SE
20250701	10:30	1.8	SE
20250701	10:45	2.7	SE
20250701	11:00	1.8	SE
20250701	11:15	1.3	SE
20250701	11:30	1.3	SE
20250701	11:45	0.9	ESE
20250701	12:00	1.3	SSE
20250701	12:15	1.3	SE
20250701	12:30	0.4	E
20250701	12:45	0.9	NE
20250701	13:00	0.9	SE
20250701	13:15	1.3	ESE
20250701	13:30	1.3	SE
20250701	13:45	0.9	ESE
20250701	14:00	0.9	SE
20250701	14:15	0.4	ESE
20250701	14:30	0.4	ENE
20250701	14:45	0.4	ENE
20250701	15:00	0.4	ENE
20250701	15:15	0.9	SE
20250701	15:30	1.3	SE
20250701	15:45	1.3	SE
20250701	16:00	1.8	SE
20250701	16:15	0.9	SE
20250701	16:30	1.8	SE
20250701	16:45	2.2	SE
20250701	17:00	0.9	N
20250701	17:15	0.4	NNE
20250701	17:30	0.4	SSE
20250701	17:45	0.4	NNW
20250701	18:00	0.4	N
20250701	18:15	0.4	N
20250701	18:30	0.4	E
20250701	18:45	0.4	ESE
20250701	19:00	0.4	SE
20250701	19:15	0	E
20250701	19:30	0.9	N
20250701	19:45	0.4	NNE
20250701	20:00	0	SSE
20250701	20:15	1.3	SE
20250701	20:30	0.9	SE
20250701	20:45	1.3	SE
20250701	21:00	0.4	SE
20250701	21:15	0.9	SE
20250701	21:30	0.9	E
20250701	21:45	0.4	SE
20250701	22:00	0.4	NNE
20250701	22:15	0.4	SSE
20250701	22:30	0.4	E
20250701	22:45	0.9	NE
20250701	23:00	0.9	SE
20250701	23:15	0.4	ESE
20250701	23:30	0.4	E
20250701	23:45	0.4	SE

Date (YYYYMMDD)	Time (HH:MM)	Wind Speed (m/s)	Wind Direction
20250702	00:00	0.4	NE
20250702	00:15	0.4	E
20250702	00:30	0.4	N
20250702	00:45	0.4	NE
20250702	01:00	0.4	NNE
20250702	01:15	0.0	ENE
20250702	01:30	0.4	SE
20250702	01:45	0.4	NE
20250702	02:00	0.4	ENE
20250702	02:15	0.9	ENE
20250702	02:30	1.3	SE
20250702	02:45	0.4	SE
20250702	03:00	0.9	SE
20250702	03:15	0.0	ESE
20250702	03:30	0.4	E
20250702	03:45	0.4	SSE
20250702	04:00	0.9	SE
20250702	04:15	0.4	SE
20250702	04:30	0.4	SSE
20250702	04:45	0.4	ESE
20250702	05:00	0.9	SE
20250702	05:15	0.9	SE
20250702	05:30	0.9	SE
20250702	05:45	1.3	SE
20250702	06:00	0.9	SE
20250702	06:15	0.9	ESE
20250702	06:30	0.9	ESE
20250702	06:45	0.4	SE
20250702	07:00	0.4	E
20250702	07:15	0.4	SE
20250702	07:30	0.4	ESE
20250702	07:45	0.9	ESE
20250702	08:00	0.9	SE
20250702	08:15	0.9	SE
20250702	08:30	0.4	NNE
20250702	08:45	0.9	SE
20250702	09:00	0.4	ENE
20250702	09:15	1.3	SE
20250702	09:30	0.4	ESE
20250702	09:45	1.3	SE
20250702	10:00	1.3	SE
20250702	10:15	2.2	SE
20250702	10:30	1.8	SE
20250702	10:45	1.8	SE
20250702	11:00	1.3	SE
20250702	11:15	0.9	SE
20250702	11:30	1.3	SE
20250702	11:45	1.8	SE
20250702	12:00	0.9	N
20250702	12:15	1.8	SE
20250702	12:30	0.9	E
20250702	12:45	1.8	SE
20250702	13:00	1.8	SE
20250702	13:15	1.8	SE
20250702	13:30	1.8	SE
20250702	13:45	1.8	SE
20250702	14:00	1.8	SE
20250702	14:15	1.8	SE
20250702	14:30	1.3	SE
20250702	14:45	1.3	SE
20250702	15:00	2.2	SE
20250702	15:15	1.8	SE
20250702	15:30	1.3	SE
20250702	15:45	1.3	SE
20250702	16:00	0.9	SE
20250702	16:15	0.9	SE
20250702	16:30	1.3	SE
20250702	16:45	1.3	SE
20250702	17:00	1.8	SE
20250702	17:15	1.8	SE
20250702	17:30	0.9	SE
20250702	17:45	1.3	SE
20250702	18:00	1.8	SE
20250702	18:15	1.8	SE
20250702	18:30	1.3	SE
20250702	18:45	0.4	SE
20250702	19:00	0	SE
20250702	19:15	0	---
20250702	19:30	0	---
20250702	19:45	0	---
20250702	20:00	0	---
20250702	20:15	0	---
20250702	20:30	0	SE
20250702	20:45	0.4	SE
20250702	21:00	0.4	SE
20250702	21:15	0	SE
20250702	21:30	0.4	SE
20250702	21:45	0	---
20250702	22:00	0	---
20250702	22:15	0	---
20250702	22:30	0	---
20250702	22:45	0	---
20250702	23:00	0	---
20250702	23:15	0	---
20250702	23:30	0	---
20250702	23:45	0	---

Date (YYYYMMDD)	Time (HH:MM)	Wind Speed (m/s)	Wind Direction
20250703	00:00	0.4	SE
20250703	00:15	0.0	SE
20250703	00:30	0.0	---
20250703	00:45	0.0	---
20250703	01:00	0.0	---
20250703	01:15	0.0	---
20250703	01:30	0.0	---
20250703	01:45	0.0	---
20250703	02:00	0.0	---
20250703	02:15	0.0	---
20250703	02:30	0.0	---
20250703	02:45	0.0	---
20250703	03:00	0.0	---
20250703	03:15	0.0	---
20250703	03:30	0.0	NNE
20250703	03:45	0.4	ESE
20250703	04:00	0.4	ESE
20250703	04:15	0.4	NNW
20250703	04:30	0.4	NNW
20250703	04:45	0.4	SSE
20250703	05:00	0.0	SSE
20250703	05:15	0.4	N
20250703	05:30	0.0	N
20250703	05:45	0.4	N
20250703	06:00	0.0	---
20250703	06:15	0.0	---
20250703	06:30	0.0	SE
20250703	06:45	0.0	S
20250703	07:00	0.0	S
20250703	07:15	0.0	---
20250703	07:30	0.0	---
20250703	07:45	0.0	---
20250703	08:00	0.0	---
20250703	08:15	0.0	---
20250703	08:30	0.4	NNW
20250703	08:45	0.9	NW
20250703	09:00	0.4	NNW
20250703	09:15	0.4	NNW
20250703	09:30	0.9	SE
20250703	09:45	0.9	WSW
20250703	10:00	0.9	WSW
20250703	10:15	0.9	NW
20250703	10:30	0.9	NNW
20250703	10:45	1.3	NNW
20250703	11:00	0.9	SE
20250703	11:15	1.3	SE
20250703	11:30	0.9	SE
20250703	11:45	1.8	SE

Date (YYYYMMDD)	Time (HH:MM)	Wind Speed (m/s)	Wind Direction
20250703	12:00	2.2	SE
20250703	12:15	1.8	SE
20250703	12:30	1.3	SE
20250703	12:45	1.3	ESE
20250703	13:00	0.9	SE
20250703	13:15	1.8	SE
20250703	13:30	1.3	SE
20250703	13:45	1.3	SE
20250703	14:00	1.8	SE
20250703	14:15	2.2	SE
20250703	14:30	1.8	SE
20250703	14:45	2.7	SE
20250703	15:00	2.2	SE
20250703	15:15	2.2	SE
20250703	15:30	1.8	SE
20250703	15:45	2.2	SE
20250703	16:00	2.2	SE
20250703	16:15	2.2	SE
20250703	16:30	2.2	SE
20250703	16:45	1.3	SE
20250703	17:00	0.9	ESE
20250703	17:15	1.3	SE
20250703	17:30	1.3	SE
20250703	17:45	1.8	SE
20250703	18:00	1.8	SE
20250703	18:15	2.2	SE
20250703	18:30	1.8	SE
20250703	18:45	1.8	SE
20250703	19:00	1.8	SE
20250703	19:15	1.3	SE
20250703	19:30	1.3	SE
20250703	19:45	1.3	SE
20250703	20:00	0.4	ESE
20250703	20:15	0.9	SE
20250703	20:30	0.9	SE
20250703	20:45	1.3	SE
20250703	21:00	1.8	SE
20250703	21:15	1.3	SE
20250703	21:30	1.3	SE
20250703	21:45	1.8	SE
20250703	22:00	1.3	SE
20250703	22:15	0.9	ESE
20250703	22:30	0.4	SE
20250703	22:45	0.9	ESE
20250703	23:00	0.9	SE
20250703	23:15	0.9	ESE
20250703	23:30	0.4	SE
20250703	23:45	0.4	SE

Date (YYYYMMDD)	Time (HH:MM)	Wind Speed (m/s)	Wind Direction
20250704	00:00	0.9	ESE
20250704	00:15	0.4	ESE
20250704	00:30	0.4	SE
20250704	00:45	0.4	E
20250704	01:00	0.0	E
20250704	01:15	0.0	E
20250704	01:30	0.0	E
20250704	01:45	0.4	SE
20250704	02:00	0.9	SE
20250704	02:15	0.4	SE
20250704	02:30	0.0	SE
20250704	02:45	0.4	SE
20250704	03:00	0.0	SE
20250704	03:15	0.0	SE
20250704	03:30	0.0	SE
20250704	03:45	0.9	SE
20250704	04:00	0.4	SE
20250704	04:15	0.0	ENE
20250704	04:30	0.0	ENE
20250704	04:45	0.0	---
20250704	05:00	0.0	---
20250704	05:15	0.0	---
20250704	05:30	0.0	---
20250704	05:45	0.0	---
20250704	06:00	0.0	---
20250704	06:15	0.0	---
20250704	06:30	0.0	---
20250704	06:45	0.0	---
20250704	07:00	0.0	---
20250704	07:15	0.0	NNW
20250704	07:30	0.4	NNW
20250704	07:45	0.0	NNW
20250704	08:00	0.4	NNW
20250704	08:15	0.9	N
20250704	08:30	0.9	NNW
20250704	08:45	0.9	NNW
20250704	09:00	0.4	NNW
20250704	09:15	0.4	SE
20250704	09:30	1.3	SE
20250704	09:45	0.9	SE
20250704	10:00	0.9	SE
20250704	10:15	1.3	SE
20250704	10:30	1.3	SE
20250704	10:45	1.8	SE
20250704	11:00	2.2	SE
20250704	11:15	1.3	ESE
20250704	11:30	1.3	SE
20250704	11:45	1.3	SE
20250704	12:00	0.9	SE
20250704	12:15	0.9	N
20250704	12:30	0.9	NNW
20250704	12:45	0.9	WNW
20250704	13:00	0.4	SE
20250704	13:15	1.3	SE
20250704	13:30	1.3	ESE
20250704	13:45	1.8	SE
20250704	14:00	2.2	SE
20250704	14:15	1.8	SE
20250704	14:30	1.3	SE
20250704	14:45	1.8	SE
20250704	15:00	1.8	SE
20250704	15:15	1.8	SE
20250704	15:30	1.8	SE
20250704	15:45	2.2	SE
20250704	16:00	1.8	SE
20250704	16:15	1.3	SE
20250704	16:30	1.8	SE
20250704	16:45	1.3	SE
20250704	17:00	1.8	SE
20250704	17:15	1.8	SE
20250704	17:30	1.3	SE
20250704	17:45	1.3	SE
20250704	18:00	1.8	SE
20250704	18:15	1.3	SE
20250704	18:30	1.8	SE
20250704	18:45	1.8	SE
20250704	19:00	1.3	SE
20250704	19:15	1.3	SE
20250704	19:30	1.8	SE
20250704	19:45	1.3	SE
20250704	20:00	1.8	SE
20250704	20:15	1.8	SE
20250704	20:30	2.7	SE
20250704	20:45	1.8	SE
20250704	21:00	2.2	SE
20250704	21:15	2.2	SE
20250704	21:30	2.2	SE
20250704	21:45	2.2	SE
20250704	22:00	2.2	SE
20250704	22:15	1.8	SE
20250704	22:30	1.8	SE
20250704	22:45	1.8	SE
20250704	23:00	0.9	WSW
20250704	23:15	0.4	NE
20250704	23:30	0.4	ESE
20250704	23:45	0.4	N

Date (YYYYMMDD)	Time (HH:MM)	Wind Speed (m/s)	Wind Direction
20250705	00:00	0.0	NW
20250705	00:15	0.0	NNW
20250705	00:30	0.4	E
20250705	00:45	0.0	E
20250705	01:00	0.0	E
20250705	01:15	0.0	E
20250705	01:30	0.0	E
20250705	01:45	0.0	ESE
20250705	02:00	0.0	---
20250705	02:15	0.0	---
20250705	02:30	0.4	ESE
20250705	02:45	0.9	ESE
20250705	03:00	0.4	ESE
20250705	03:15	0.4	ESE
20250705	03:30	0.0	---
20250705	03:45	0.0	---
20250705	04:00	0.0	---
20250705	04:15	0.0	---
20250705	04:30	0.0	---
20250705	04:45	0.0	---
20250705	05:00	0.0	---
20250705	05:15	0.0	---
20250705	05:30	0.0	---
20250705	05:45	0.4	NNE
20250705	06:00	0.0	NNE
20250705	06:15	0.0	NNE
20250705	06:30	0.4	NNE
20250705	06:45	0.4	NNE
20250705	07:00	0.0	NNE
20250705	07:15	0.0	NNE
20250705	07:30	0.0	---
20250705	07:45	0.0	---
20250705	08:00	0.0	---
20250705	08:15	0.0	---
20250705	08:30	0.4	NNE
20250705	08:45	1.3	NW
20250705	09:00	1.8	NNW
20250705	09:15	1.3	NNW
20250705	09:30	1.3	NNW
20250705	09:45	1.3	NNW
20250705	10:00	1.3	NNW
20250705	10:15	1.8	NNW
20250705	10:30	2.2	NW
20250705	10:45	1.8	NW
20250705	11:00	1.8	NNW
20250705	11:15	1.8	NNW
20250705	11:30	1.8	NW
20250705	11:45	1.8	NNW
20250705	12:00	0.9	ENE
20250705	12:15	1.3	NW
20250705	12:30	0.9	NNW
20250705	12:45	1.3	NNW
20250705	13:00	0.9	NNE
20250705	13:15	0.4	SE
20250705	13:30	1.3	SE
20250705	13:45	0.9	NNE
20250705	14:00	1.3	SE
20250705	14:15	1.3	N
20250705	14:30	1.3	SE
20250705	14:45	1.8	SE
20250705	15:00	1.3	SE
20250705	15:15	0.9	SE
20250705	15:30	0.9	WNW
20250705	15:45	0.9	NNW
20250705	16:00	1.8	SE
20250705	16:15	2.7	SE
20250705	16:30	4.0	SE
20250705	16:45	4.5	SE
20250705	17:00	3.6	SE
20250705	17:15	2.7	SE
20250705	17:30	2.7	SE
20250705	17:45	2.2	SE
20250705	18:00	2.7	SE
20250705	18:15	3.1	SE
20250705	18:30	2.2	SE
20250705	18:45	2.2	SE
20250705	19:00	2.2	SE
20250705	19:15	2.2	SE
20250705	19:30	2.7	SE
20250705	19:45	1.8	SE
20250705	20:00	2.2	SE
20250705	20:15	2.7	SE
20250705	20:30	1.3	SE
20250705	20:45	0.4	ENE
20250705	21:00	0.4	SE
20250705	21:15	0.4	E
20250705	21:30	0.4	ENE
20250705	21:45	0.9	ESE
20250705	22:00	1.3	SE
20250705	22:15	0.9	SE
20250705	22:30	0.9	ESE
20250705	22:45	0	NNW
20250705	23:00	0	NNW
20250705	23:15	0	ENE
20250705	23:30	0	ENE
20250705	23:45	0	ENE

Date (YYYYMMDD)	Time (HH:MM)	Wind Speed (m/s)	Wind Direction
20250706	00:00	0.4	ENE
20250706	00:15	0.4	ENE
20250706	00:30	0.0	ENE
20250706	00:45	0.0	---
20250706	01:00	0.0	---
20250706	01:15	0.0	---
20250706	01:30	0.0	---
20250706	01:45	0.0	---
20250706	02:00	0.0	ENE
20250706	02:15	0.0	ENE
20250706	02:30	0.0	ENE
20250706	02:45	0.0	ENE
20250706	03:00	0.0	ENE
20250706	03:15	0.0	---
20250706	03:30	0.0	---
20250706	03:45	0.0	---
20250706	04:00	0.0	---
20250706	04:15	0.4	E
20250706	04:30	0.9	E
20250706	04:45	0.4	E
20250706	05:00	0.0	E
20250706	05:15	0.0	---
20250706	05:30	0.0	---
20250706	05:45	0.0	---
20250706	06:00	0.0	---
20250706	06:15	0.4	SSE
20250706	06:30	0.0	SSE
20250706	06:45	0.4	SSE
20250706	07:00	0.4	SSE
20250706	07:15	0.0	SSE
20250706	07:30	0.9	N
20250706	07:45	0.9	NNW
20250706	08:00	1.3	NNW
20250706	08:15	1.8	NNW
20250706	08:30	1.3	NNW
20250706	08:45	1.3	NNW
20250706	09:00	1.8	NW
20250706	09:15	1.8	NNW
20250706	09:30	2.2	NNW
20250706	09:45	1.8	NNW
20250706	10:00	1.8	N
20250706	10:15	1.8	NNW
20250706	10:30	0.9	NNW
20250706	10:45	1.3	NNW
20250706	11:00	1.3	NNW
20250706	11:15	0.9	NNW
20250706	11:30	1.8	N
20250706	11:45	2.2	NNW
20250706	12:00	2.2	NNW
20250706	12:15	1.8	NW
20250706	12:30	1.8	NNW
20250706	12:45	0.9	NNW
20250706	13:00	1.3	NNW
20250706	13:15	1.3	NW
20250706	13:30	1.3	N
20250706	13:45	1.8	N
20250706	14:00	1.3	N
20250706	14:15	1.3	N
20250706	14:30	1.3	N
20250706	14:45	1.3	NNW
20250706	15:00	1.3	NNW
20250706	15:15	1.3	N
20250706	15:30	0.9	NNW
20250706	15:45	0.4	N
20250706	16:00	0.9	WSW
20250706	16:15	0.9	WSW
20250706	16:30	0.9	WSW
20250706	16:45	0.9	ESE
20250706	17:00	1.8	WSW
20250706	17:15	1.3	WSW
20250706	17:30	1.3	WSW
20250706	17:45	1.8	WSW
20250706	18:00	1.3	NNE
20250706	18:15	1.3	NNW
20250706	18:30	1.3	WSW
20250706	18:45	0.9	NE
20250706	19:00	1.3	WSW
20250706	19:15	1.3	WSW
20250706	19:30	0.4	SSW
20250706	19:45	0.4	SSE
20250706	20:00	0.4	SW
20250706	20:15	0.4	SSW
20250706	20:30	0.9	SSW
20250706	20:45	0.9	SSE
20250706	21:00	0.9	SSE
20250706	21:15	0.4	WSW
20250706	21:30	0.9	E
20250706	21:45	0.4	WSW
20250706	22:00	0.4	SSW
20250706	22:15	0.4	E
20250706	22:30	0.4	NNW
20250706	22:45	0.4	E
20250706	23:00	0.4	WSW
20250706	23:15	0.4	SSE
20250706	23:30	0.4	SE
20250706	23:45	0	SE

Date (YYYYMMDD)	Time (HH:MM)	Wind Speed (m/s)	Wind Direction
20250707	00:00	0.0	SE
20250707	00:15	0.0	---
20250707	00:30	0.4	SE
20250707	00:45	0.0	SE
20250707	01:00	0.0	SE
20250707	01:15	0.0	---
20250707	01:30	0.0	---
20250707	01:45	0.0	---
20250707	02:00	0.0	---
20250707	02:15	0.0	---
20250707	02:30	0.0	---
20250707	02:45	0.0	---
20250707	03:00	0.0	---
20250707	03:15	0.0	---
20250707	03:30	0.0	---
20250707	03:45	0.0	---
20250707	04:00	0.0	---
20250707	04:15	0.0	NNE
20250707	04:30	0.4	NE
20250707	04:45	0.4	E
20250707	05:00	0.4	SW
20250707	05:15	0.0	SSW
20250707	05:30	0.0	SSW
20250707	05:45	0.4	SE
20250707	06:00	0.4	SE
20250707	06:15	0.9	SE
20250707	06:30	0.4	SE
20250707	06:45	0.4	SE
20250707	07:00	0.9	SE
20250707	07:15	0.4	SE
20250707	07:30	0.9	SW
20250707	07:45	0.9	WSW
20250707	08:00	0.9	WSW
20250707	08:15	0.9	WSW
20250707	08:30	1.8	WSW
20250707	08:45	1.8	WSW
20250707	09:00	1.8	WSW
20250707	09:15	1.3	WSW
20250707	09:30	1.8	WSW
20250707	09:45	1.8	WSW
20250707	10:00	1.8	WSW
20250707	10:15	2.2	WSW
20250707	10:30	1.8	WSW
20250707	10:45	1.8	WSW
20250707	11:00	1.3	WSW
20250707	11:15	1.8	WSW
20250707	11:30	1.8	WSW
20250707	11:45	1.3	WSW

Date (YYYYMMDD)	Time (HH:MM)	Wind Speed (m/s)	Wind Direction
20250707	12:00	1.8	WSW
20250707	12:15	1.3	WSW
20250707	12:30	2.2	N
20250707	12:45	1.3	NNW
20250707	13:00	1.3	WSW
20250707	13:15	1.8	WSW
20250707	13:30	2.2	N
20250707	13:45	1.8	WSW
20250707	14:00	1.8	WSW
20250707	14:15	1.8	WSW
20250707	14:30	0.9	WSW
20250707	14:45	1.8	WSW
20250707	15:00	1.8	WSW
20250707	15:15	1.3	N
20250707	15:30	1.3	WSW
20250707	15:45	1.8	WSW
20250707	16:00	2.2	WSW
20250707	16:15	1.3	WSW
20250707	16:30	1.8	WSW
20250707	16:45	1.8	WSW
20250707	17:00	1.8	WSW
20250707	17:15	1.8	WSW
20250707	17:30	0.9	WSW
20250707	17:45	1.3	WSW
20250707	18:00	1.8	WSW
20250707	18:15	0.9	N
20250707	18:30	1.3	WSW
20250707	18:45	0.9	WSW
20250707	19:00	0.9	WSW
20250707	19:15	0.9	WSW
20250707	19:30	0	W
20250707	19:45	0.4	SSW
20250707	20:00	0.4	SSW
20250707	20:15	0.4	SSW
20250707	20:30	0.4	SSW
20250707	20:45	0.4	E
20250707	21:00	0.4	E
20250707	21:15	1.3	WSW
20250707	21:30	0.9	WSW
20250707	21:45	0.9	SE
20250707	22:00	0.4	SSW
20250707	22:15	0.4	SSE
20250707	22:30	0.4	SSE
20250707	22:45	0.4	SE
20250707	23:00	0.4	W
20250707	23:15	0.4	SE
20250707	23:30	0	ENE
20250707	23:45	0.4	ENE

Date (YYYYMMDD)	Time (HH:MM)	Wind Speed (m/s)	Wind Direction
20250708	00:00	0.4	ENE
20250708	00:15	0.4	ENE
20250708	00:30	0.4	SE
20250708	00:45	0.4	SE
20250708	01:00	0.4	SSE
20250708	01:15	0.4	SSE
20250708	01:30	0.4	SSE
20250708	01:45	0.0	SSE
20250708	02:00	0.4	SSE
20250708	02:15	0.4	SSE
20250708	02:30	0.4	SSE
20250708	02:45	0.4	SSE
20250708	03:00	0.0	SSE
20250708	03:15	0.4	SSE
20250708	03:30	0.0	SSE
20250708	03:45	0.4	SSE
20250708	04:00	0.4	SSE
20250708	04:15	0.0	---
20250708	04:30	0.0	---
20250708	04:45	0.0	---
20250708	05:00	0.0	---
20250708	05:15	0.0	---
20250708	05:30	0.0	---
20250708	05:45	0.0	E
20250708	06:00	0.0	---
20250708	06:15	0.0	E
20250708	06:30	0.4	E
20250708	06:45	0.4	E
20250708	07:00	0.0	SE
20250708	07:15	0.9	SE
20250708	07:30	0.4	SE
20250708	07:45	0.0	SE
20250708	08:00	0.4	WSW
20250708	08:15	1.3	WSW
20250708	08:30	0.9	WSW
20250708	08:45	0.9	WSW
20250708	09:00	0.9	WSW
20250708	09:15	2.2	WSW
20250708	09:30	1.3	WSW
20250708	09:45	1.8	N
20250708	10:00	1.8	WSW
20250708	10:15	2.2	WSW
20250708	10:30	1.8	WSW
20250708	10:45	1.3	SE
20250708	11:00	2.2	WSW
20250708	11:15	2.2	WSW
20250708	11:30	1.8	WSW
20250708	11:45	2.2	WSW

Date (YYYYMMDD)	Time (HH:MM)	Wind Speed (m/s)	Wind Direction
20250708	12:00	2.7	SE
20250708	12:15	1.8	SE
20250708	12:30	2.2	SE
20250708	12:45	2.7	SE
20250708	13:00	2.2	SE
20250708	13:15	2.2	SE
20250708	13:30	1.8	SE
20250708	13:45	1.8	SE
20250708	14:00	1.8	SSE
20250708	14:15	1.8	SE
20250708	14:30	1.3	SE
20250708	14:45	1.3	SE
20250708	15:00	1.3	SE
20250708	15:15	1.8	WSW
20250708	15:30	1.3	WSW
20250708	15:45	0.9	WSW
20250708	16:00	1.8	WSW
20250708	16:15	1.3	WSW
20250708	16:30	2.2	N
20250708	16:45	1.8	WSW
20250708	17:00	1.3	WSW
20250708	17:15	0.9	WSW
20250708	17:30	0.9	WSW
20250708	17:45	0.9	WSW
20250708	18:00	0.9	NE
20250708	18:15	0.9	N
20250708	18:30	0.4	NNW
20250708	18:45	0.4	W
20250708	19:00	0.9	WSW
20250708	19:15	0.4	SSE
20250708	19:30	0.4	SSW
20250708	19:45	0.4	W
20250708	20:00	0.4	SSW
20250708	20:15	0	SSW
20250708	20:30	0	---
20250708	20:45	0	---
20250708	21:00	0.4	SSE
20250708	21:15	0.4	SSE
20250708	21:30	0	SSE
20250708	21:45	0	SSE
20250708	22:00	0	---
20250708	22:15	0.4	SSE
20250708	22:30	0	SSE
20250708	22:45	0	SSE
20250708	23:00	0	SSE
20250708	23:15	0	SSE
20250708	23:30	0.9	SSE
20250708	23:45	0.9	SSE

Date (YYYYMMDD)	Time (HH:MM)	Wind Speed (m/s)	Wind Direction
20250709	00:00	0.9	SE
20250709	00:15	0.4	SE
20250709	00:30	0.4	ESE
20250709	00:45	0.9	E
20250709	01:00	0.4	SE
20250709	01:15	0.9	SE
20250709	01:30	0.4	SE
20250709	01:45	0.4	SE
20250709	02:00	0.0	---
20250709	02:15	0.4	SE
20250709	02:30	0.4	SE
20250709	02:45	0.4	SE
20250709	03:00	0.4	SE
20250709	03:15	0.0	---
20250709	03:30	0.4	SE
20250709	03:45	0.0	SE
20250709	04:00	0.4	SE
20250709	04:15	0.4	SE
20250709	04:30	0.4	SE
20250709	04:45	0.0	---
20250709	05:00	0.0	SE
20250709	05:15	0.0	SE
20250709	05:30	0.0	---
20250709	05:45	0.0	---
20250709	06:00	0.4	SSE
20250709	06:15	0.4	SSE
20250709	06:30	0.9	SSE
20250709	06:45	0.9	SSE
20250709	07:00	0.4	SSE
20250709	07:15	0.0	SSE
20250709	07:30	0.9	SSE
20250709	07:45	1.3	SE
20250709	08:00	0.4	WSW
20250709	08:15	0.9	WSW
20250709	08:30	1.3	WSW
20250709	08:45	1.8	WSW
20250709	09:00	1.3	WSW
20250709	09:15	1.8	WSW
20250709	09:30	0.4	N
20250709	09:45	0.4	E
20250709	10:00	0.4	E
20250709	10:15	0.0	NNE
20250709	10:30	0.0	NW
20250709	10:45	0.4	NE
20250709	11:00	0.4	E
20250709	11:15	0.9	WSW
20250709	11:30	0.9	WSW
20250709	11:45	0.9	N

Date (YYYYMMDD)	Time (HH:MM)	Wind Speed (m/s)	Wind Direction
20250709	12:00	0.9	WSW
20250709	12:15	1.3	WSW
20250709	12:30	1.3	WSW
20250709	12:45	1.8	WSW
20250709	13:00	1.8	NNW
20250709	13:15	1.3	WSW
20250709	13:30	1.8	NNW
20250709	13:45	1.8	WSW
20250709	14:00	1.3	WSW
20250709	14:15	2.2	WSW
20250709	14:30	2.2	WSW
20250709	14:45	2.2	WSW
20250709	15:00	1.8	WSW
20250709	15:15	1.8	WSW
20250709	15:30	1.8	WSW
20250709	15:45	1.8	WSW
20250709	16:00	2.2	WSW
20250709	16:15	1.8	WSW
20250709	16:30	1.8	WSW
20250709	16:45	1.3	WSW
20250709	17:00	0.9	N
20250709	17:15	0.9	WSW
20250709	17:30	1.3	WSW
20250709	17:45	0.9	WSW
20250709	18:00	1.3	WSW
20250709	18:15	0.9	WSW
20250709	18:30	0.9	WSW
20250709	18:45	0.9	SSE
20250709	19:00	0.9	SE
20250709	19:15	0.4	SE
20250709	19:30	0.4	SE
20250709	19:45	0.9	SE
20250709	20:00	0.4	SE
20250709	20:15	0.9	SE
20250709	20:30	0.9	SSE
20250709	20:45	0.9	SE
20250709	21:00	0.9	ESE
20250709	21:15	0.9	E
20250709	21:30	0.9	SE
20250709	21:45	0.4	SE
20250709	22:00	0.4	NNE
20250709	22:15	1.3	WSW
20250709	22:30	2.7	NNW
20250709	22:45	2.2	NW
20250709	23:00	3.1	NNW
20250709	23:15	3.1	N
20250709	23:30	1.3	SE
20250709	23:45	0.9	SE

Date (YYYYMMDD)	Time (HH:MM)	Wind Speed (m/s)	Wind Direction
20250710	00:00	0.4	SE
20250710	00:15	0.4	SE
20250710	00:30	0.4	SSW
20250710	00:45	0.0	SE
20250710	01:00	0.4	SE
20250710	01:15	0.4	SSE
20250710	01:30	0.0	SSE
20250710	01:45	0.4	SSE
20250710	02:00	0.0	SSE
20250710	02:15	0.4	SSE
20250710	02:30	0.0	SSE
20250710	02:45	0.0	SSE
20250710	03:00	0.4	SSE
20250710	03:15	0.0	SSE
20250710	03:30	0.0	SSE
20250710	03:45	0.4	SSE
20250710	04:00	0.9	SSE
20250710	04:15	0.4	SE
20250710	04:30	0.4	SE
20250710	04:45	0.4	SE
20250710	05:00	0.4	SE
20250710	05:15	0.4	SE
20250710	05:30	0.4	SE
20250710	05:45	0.4	SE
20250710	06:00	0.0	SE
20250710	06:15	0.0	SE
20250710	06:30	0.0	SE
20250710	06:45	0.0	---
20250710	07:00	0.0	---
20250710	07:15	0.4	SE
20250710	07:30	0.4	SE
20250710	07:45	0.0	SE
20250710	08:00	0.0	SE
20250710	08:15	0.0	SE
20250710	08:30	0.9	NNE
20250710	08:45	1.3	SE
20250710	09:00	1.3	SE
20250710	09:15	0.9	ESE
20250710	09:30	0.4	SE
20250710	09:45	0.9	SE
20250710	10:00	0.0	SE
20250710	10:15	0.4	SE
20250710	10:30	0.4	SE
20250710	10:45	1.3	SE
20250710	11:00	0.9	SE
20250710	11:15	0.4	SE
20250710	11:30	0.4	ESE
20250710	11:45	0.4	NE

Date (YYYYMMDD)	Time (HH:MM)	Wind Speed (m/s)	Wind Direction
20250710	12:00	0.4	NE
20250710	12:15	0.9	SE
20250710	12:30	0.0	SSW
20250710	12:45	0.4	SE
20250710	13:00	0.4	SE
20250710	13:15	1.3	SE
20250710	13:30	1.3	SE
20250710	13:45	1.3	SE
20250710	14:00	0.9	SE
20250710	14:15	0.9	SE
20250710	14:30	2.7	SE
20250710	14:45	0.9	W
20250710	15:00	0.4	N
20250710	15:15	0.4	NE
20250710	15:30	0.0	ENE
20250710	15:45	0.0	ENE
20250710	16:00	0.0	ENE
20250710	16:15	0.0	---
20250710	16:30	0.0	ENE
20250710	16:45	0.9	E
20250710	17:00	0.0	E
20250710	17:15	0.0	E
20250710	17:30	0.0	E
20250710	17:45	0.0	E
20250710	18:00	0.4	E
20250710	18:15	0.4	ESE
20250710	18:30	0.4	ESE
20250710	18:45	0.9	ESE
20250710	19:00	1.3	NW
20250710	19:15	0.9	NW
20250710	19:30	0	NW
20250710	19:45	0.4	ESE
20250710	20:00	0.4	S
20250710	20:15	0	S
20250710	20:30	0.9	S
20250710	20:45	0.4	S
20250710	21:00	0	S
20250710	21:15	0.4	S
20250710	21:30	0.4	S
20250710	21:45	0.4	S
20250710	22:00	0	S
20250710	22:15	0	S
20250710	22:30	0	S
20250710	22:45	0.4	S
20250710	23:00	0.9	SSE
20250710	23:15	0.9	SSE
20250710	23:30	0.4	SSE
20250710	23:45	0	---

Date (YYYYMMDD)	Time (HH:MM)	Wind Speed (m/s)	Wind Direction
20250711	00:00	0.4	N
20250711	00:15	0.4	SE
20250711	00:30	0.4	SE
20250711	00:45	0.4	SE
20250711	01:00	0.0	SE
20250711	01:15	0.0	SE
20250711	01:30	0.0	SE
20250711	01:45	0.9	SE
20250711	02:00	0.0	SE
20250711	02:15	0.0	---
20250711	02:30	0.0	---
20250711	02:45	0.9	SE
20250711	03:00	0.9	SE
20250711	03:15	1.3	SE
20250711	03:30	0.9	SE
20250711	03:45	0.9	SE
20250711	04:00	0.0	SE
20250711	04:15	0.4	SE
20250711	04:30	0.4	SE
20250711	04:45	0.9	SSE
20250711	05:00	0.9	SSE
20250711	05:15	1.3	SSE
20250711	05:30	1.8	SE
20250711	05:45	0.9	SE
20250711	06:00	0.9	SE
20250711	06:15	0.9	SE
20250711	06:30	0.9	SE
20250711	06:45	0.0	SE
20250711	07:00	0.0	SE
20250711	07:15	0.4	SE
20250711	07:30	0.0	SE
20250711	07:45	0.4	SE
20250711	08:00	0.9	SE
20250711	08:15	0.4	SSE
20250711	08:30	0.0	SSE
20250711	08:45	0.4	SSE
20250711	09:00	0.4	SSE
20250711	09:15	0.0	SSE
20250711	09:30	0.4	SSE
20250711	09:45	0.0	S
20250711	10:00	0.4	S
20250711	10:15	0.4	ENE
20250711	10:30	0.4	ENE
20250711	10:45	0.4	ENE
20250711	11:00	0.0	ENE
20250711	11:15	0.4	ENE
20250711	11:30	0.4	ENE
20250711	11:45	0.4	WSW
20250711	12:00	0.4	WSW
20250711	12:15	0.4	SE
20250711	12:30	1.3	WSW
20250711	12:45	1.3	WSW
20250711	13:00	1.3	WSW
20250711	13:15	0.9	SSE
20250711	13:30	0.4	SE
20250711	13:45	0.0	SSE
20250711	14:00	0.4	SSE
20250711	14:15	0.4	WSW
20250711	14:30	0.4	SE
20250711	14:45	0.4	SE
20250711	15:00	0.9	SE
20250711	15:15	0.9	SE
20250711	15:30	0.4	ESE
20250711	15:45	0.4	N
20250711	16:00	0.4	WSW
20250711	16:15	0.9	WSW
20250711	16:30	0.4	WSW
20250711	16:45	0.9	SSE
20250711	17:00	0.9	WSW
20250711	17:15	0.9	WSW
20250711	17:30	0.4	SE
20250711	17:45	0.0	SW
20250711	18:00	0	SW
20250711	18:15	0	S
20250711	18:30	0.4	S
20250711	18:45	0.4	S
20250711	19:00	0.4	S
20250711	19:15	0.4	S
20250711	19:30	0	S
20250711	19:45	0	---
20250711	20:00	0	---
20250711	20:15	0	---
20250711	20:30	0	---
20250711	20:45	0	---
20250711	21:00	0	---
20250711	21:15	0	---
20250711	21:30	0	---
20250711	21:45	0	---
20250711	22:00	0	---
20250711	22:15	0	---
20250711	22:30	0	---
20250711	22:45	0	---
20250711	23:00	0	---
20250711	23:15	0	---
20250711	23:30	0	---
20250711	23:45	0	---

Date (YYYYMMDD)	Time (HH:MM)	Wind Speed (m/s)	Wind Direction
20250712	00:00	0.0	---
20250712	00:15	0.0	---
20250712	00:30	0.0	---
20250712	00:45	0.0	---
20250712	01:00	0.0	---
20250712	01:15	0.0	---
20250712	01:30	0.0	---
20250712	01:45	0.0	---
20250712	02:00	0.0	---
20250712	02:15	0.0	---
20250712	02:30	0.0	---
20250712	02:45	0.0	---
20250712	03:00	0.0	---
20250712	03:15	0.0	---
20250712	03:30	0.0	---
20250712	03:45	0.4	S
20250712	04:00	0.4	SSW
20250712	04:15	0.4	SSW
20250712	04:30	0.9	SE
20250712	04:45	0.0	SE
20250712	05:00	0.0	E
20250712	05:15	0.9	SSE
20250712	05:30	0.4	SSE
20250712	05:45	0.4	ESE
20250712	06:00	0.0	ESE
20250712	06:15	0.0	ESE
20250712	06:30	0.0	ESE
20250712	06:45	0.4	ESE
20250712	07:00	0.0	ESE
20250712	07:15	0.4	NNE
20250712	07:30	0.4	NNE
20250712	07:45	0.0	NNE
20250712	08:00	0.0	NNE
20250712	08:15	0.0	NNE
20250712	08:30	0.0	NNE
20250712	08:45	0.4	E
20250712	09:00	0.0	SSE
20250712	09:15	0.9	WSW
20250712	09:30	2.2	SE
20250712	09:45	0.9	ESE
20250712	10:00	0.4	SE
20250712	10:15	0.4	NE
20250712	10:30	0.0	NNE
20250712	10:45	0.4	W
20250712	11:00	0.4	WNW
20250712	11:15	0.9	NW
20250712	11:30	0.4	NNE
20250712	11:45	0.4	NNE

Date (YYYYMMDD)	Time (HH:MM)	Wind Speed (m/s)	Wind Direction
20250712	12:00	0.9	SE
20250712	12:15	1.3	SE
20250712	12:30	1.8	SE
20250712	12:45	1.3	SE
20250712	13:00	1.3	SE
20250712	13:15	1.3	SE
20250712	13:30	1.3	SE
20250712	13:45	1.3	SE
20250712	14:00	0.4	SE
20250712	14:15	0.4	SE
20250712	14:30	0.9	SE
20250712	14:45	1.3	SE
20250712	15:00	1.3	SE
20250712	15:15	0.9	SE
20250712	15:30	0.9	SE
20250712	15:45	0.9	SE
20250712	16:00	0.4	SE
20250712	16:15	0.9	SE
20250712	16:30	0.9	SE
20250712	16:45	0.9	SE
20250712	17:00	0.0	SE
20250712	17:15	0.0	NE
20250712	17:30	0.4	NNW
20250712	17:45	0.0	---
20250712	18:00	0	ENE
20250712	18:15	0	---
20250712	18:30	0	---
20250712	18:45	0	ENE
20250712	19:00	0.4	WSW
20250712	19:15	0.4	SE
20250712	19:30	0	SE
20250712	19:45	0	SE
20250712	20:00	0	---
20250712	20:15	0	---
20250712	20:30	0	---
20250712	20:45	0	---
20250712	21:00	0.4	SE
20250712	21:15	0	---
20250712	21:30	0	SE
20250712	21:45	0	---
20250712	22:00	0.4	SE
20250712	22:15	0	SE
20250712	22:30	0	---
20250712	22:45	0	---
20250712	23:00	0	---
20250712	23:15	0	---
20250712	23:30	0	---
20250712	23:45	0	---

Date (YYYYMMDD)	Time (HH:MM)	Wind Speed (m/s)	Wind Direction
20250713	00:00	0.0	---
20250713	00:15	0.0	---
20250713	00:30	0.0	---
20250713	00:45	0.4	S
20250713	01:00	0.0	S
20250713	01:15	0.0	S
20250713	01:30	0.0	S
20250713	01:45	0.0	---
20250713	02:00	0.0	S
20250713	02:15	0.0	S
20250713	02:30	0.0	S
20250713	02:45	0.0	---
20250713	03:00	0.0	---
20250713	03:15	0.0	S
20250713	03:30	0.0	S
20250713	03:45	0.0	S
20250713	04:00	0.0	---
20250713	04:15	0.0	---
20250713	04:30	0.0	---
20250713	04:45	0.0	---
20250713	05:00	0.0	---
20250713	05:15	0.0	---
20250713	05:30	0.0	---
20250713	05:45	0.0	---
20250713	06:00	0.0	---
20250713	06:15	0.0	---
20250713	06:30	0.0	---
20250713	06:45	0.0	---
20250713	07:00	0.0	S
20250713	07:15	0.4	S
20250713	07:30	0.9	SSW
20250713	07:45	0.4	SSW
20250713	08:00	0.0	SSW
20250713	08:15	0.4	SE
20250713	08:30	0.4	SE
20250713	08:45	0.0	SE
20250713	09:00	0.0	ESE
20250713	09:15	0.4	SE
20250713	09:30	0.4	SE
20250713	09:45	0.9	SE
20250713	10:00	0.4	SE
20250713	10:15	0.4	NNW
20250713	10:30	0.9	ESE
20250713	10:45	0.4	SE
20250713	11:00	0.4	SE
20250713	11:15	0.9	SE
20250713	11:30	1.3	SE
20250713	11:45	1.3	SE

Date (YYYYMMDD)	Time (HH:MM)	Wind Speed (m/s)	Wind Direction
20250713	12:00	0.9	SE
20250713	12:15	1.8	SE
20250713	12:30	1.3	SE
20250713	12:45	0.9	SE
20250713	13:00	0.9	SE
20250713	13:15	1.3	SE
20250713	13:30	1.8	SE
20250713	13:45	1.3	SE
20250713	14:00	1.3	SE
20250713	14:15	1.8	WSW
20250713	14:30	1.3	WSW
20250713	14:45	1.3	SE
20250713	15:00	1.3	ESE
20250713	15:15	0.9	WSW
20250713	15:30	1.3	WSW
20250713	15:45	1.8	WSW
20250713	16:00	1.8	WSW
20250713	16:15	1.8	WSW
20250713	16:30	1.8	WSW
20250713	16:45	1.8	WSW
20250713	17:00	0.9	WSW
20250713	17:15	1.3	WSW
20250713	17:30	1.3	WSW
20250713	17:45	1.8	WSW
20250713	18:00	1.3	WSW
20250713	18:15	1.8	WSW
20250713	18:30	0.9	WSW
20250713	18:45	0.9	WSW
20250713	19:00	0.4	WNW
20250713	19:15	0.4	WSW
20250713	19:30	0.4	SW
20250713	19:45	0	SW
20250713	20:00	0	SW
20250713	20:15	0	---
20250713	20:30	0	---
20250713	20:45	0	SW
20250713	21:00	0	SW
20250713	21:15	0	SW
20250713	21:30	0.4	SE
20250713	21:45	0	SW
20250713	22:00	0	WSW
20250713	22:15	0	---
20250713	22:30	0	WSW
20250713	22:45	0	---
20250713	23:00	0	WSW
20250713	23:15	0	WSW
20250713	23:30	0	NW
20250713	23:45	0	NE

Date (YYYYMMDD)	Time (HH:MM)	Wind Speed (m/s)	Wind Direction
20250714	00:00	0.0	NE
20250714	00:15	0.0	NE
20250714	00:30	0.0	---
20250714	00:45	0.0	---
20250714	01:00	0.0	---
20250714	01:15	0.0	---
20250714	01:30	0.0	---
20250714	01:45	0.0	---
20250714	02:00	0.4	SE
20250714	02:15	0.0	---
20250714	02:30	0.0	---
20250714	02:45	0.0	---
20250714	03:00	0.0	SE
20250714	03:15	0.4	SE
20250714	03:30	0.0	SE
20250714	03:45	0.0	---
20250714	04:00	0.0	---
20250714	04:15	0.4	SE
20250714	04:30	0.0	---
20250714	04:45	0.0	---
20250714	05:00	0.0	SE
20250714	05:15	0.0	---
20250714	05:30	0.0	---
20250714	05:45	0.0	SE
20250714	06:00	0.0	SE
20250714	06:15	0.0	---
20250714	06:30	0.0	---
20250714	06:45	0.0	SE
20250714	07:00	0.4	ESE
20250714	07:15	0.4	NE
20250714	07:30	0.0	---
20250714	07:45	0.0	---
20250714	08:00	0.0	E
20250714	08:15	0.4	SE
20250714	08:30	0.4	ESE
20250714	08:45	0.4	SE
20250714	09:00	0.9	SE
20250714	09:15	0.9	WSW
20250714	09:30	0.9	WSW
20250714	09:45	0.9	WSW
20250714	10:00	1.3	SE
20250714	10:15	0.9	NW
20250714	10:30	0.9	WSW
20250714	10:45	1.3	WSW
20250714	11:00	0.9	N
20250714	11:15	0.9	N
20250714	11:30	1.3	NNW
20250714	11:45	0.9	WSW

Date (YYYYMMDD)	Time (HH:MM)	Wind Speed (m/s)	Wind Direction
20250714	12:00	1.3	WSW
20250714	12:15	1.3	WSW
20250714	12:30	1.8	NNW
20250714	12:45	1.8	NNW
20250714	13:00	1.8	NNW
20250714	13:15	1.3	NNW
20250714	13:30	1.3	N
20250714	13:45	1.3	WSW
20250714	14:00	1.8	WSW
20250714	14:15	1.8	N
20250714	14:30	1.8	N
20250714	14:45	1.8	WSW
20250714	15:00	2.2	WSW
20250714	15:15	1.3	WSW
20250714	15:30	0.9	WSW
20250714	15:45	1.3	WSW
20250714	16:00	1.8	WSW
20250714	16:15	1.3	WSW
20250714	16:30	1.8	N
20250714	16:45	0.9	WSW
20250714	17:00	1.3	WSW
20250714	17:15	0.9	WSW
20250714	17:30	1.3	WSW
20250714	17:45	0.9	WSW
20250714	18:00	0.9	WSW
20250714	18:15	0.4	WSW
20250714	18:30	0.9	WSW
20250714	18:45	1.3	SE
20250714	19:00	1.3	SE
20250714	19:15	1.8	SE
20250714	19:30	1.8	SE
20250714	19:45	1.8	SE
20250714	20:00	1.3	SE
20250714	20:15	0	SW
20250714	20:30	0	SW
20250714	20:45	0	SW
20250714	21:00	0	SW
20250714	21:15	0	---
20250714	21:30	0	---
20250714	21:45	0	---
20250714	22:00	0	---
20250714	22:15	0	---
20250714	22:30	0	---
20250714	22:45	0	---
20250714	23:00	0	---
20250714	23:15	0	---
20250714	23:30	0	---
20250714	23:45	0	---

Date (YYYYMMDD)	Time (HH:MM)	Wind Speed (m/s)	Wind Direction
20250715	00:00	0.4	SSW
20250715	00:15	0.4	NNW
20250715	00:30	0.0	NNW
20250715	00:45	0.0	NNW
20250715	01:00	0.4	NE
20250715	01:15	0.0	---
20250715	01:30	0.0	S
20250715	01:45	0.4	S
20250715	02:00	0.0	S
20250715	02:15	0.0	S
20250715	02:30	0.0	---
20250715	02:45	0.0	---
20250715	03:00	0.0	---
20250715	03:15	0.4	S
20250715	03:30	0.0	S
20250715	03:45	0.0	---
20250715	04:00	0.0	S
20250715	04:15	0.4	S
20250715	04:30	0.4	SSE
20250715	04:45	0.4	SE
20250715	05:00	0.0	---
20250715	05:15	0.0	---
20250715	05:30	0.0	---
20250715	05:45	0.0	---
20250715	06:00	0.0	---
20250715	06:15	0.0	---
20250715	06:30	0.0	---
20250715	06:45	0.0	---
20250715	07:00	0.0	---
20250715	07:15	0.0	NNE
20250715	07:30	0.9	NNE
20250715	07:45	0.9	WSW
20250715	08:00	0.4	WSW
20250715	08:15	1.3	WSW
20250715	08:30	1.8	WSW
20250715	08:45	1.3	WSW
20250715	09:00	1.3	WSW
20250715	09:15	1.8	WSW
20250715	09:30	1.3	NNW
20250715	09:45	1.3	WSW
20250715	10:00	1.3	WSW
20250715	10:15	1.8	WSW
20250715	10:30	1.3	N
20250715	10:45	1.3	WSW
20250715	11:00	1.3	WSW
20250715	11:15	1.3	WSW
20250715	11:30	1.3	WSW
20250715	11:45	1.8	WSW

Date (YYYYMMDD)	Time (HH:MM)	Wind Speed (m/s)	Wind Direction
20250715	12:00	1.8	WSW
20250715	12:15	1.3	WSW
20250715	12:30	1.8	WSW
20250715	12:45	1.8	WSW
20250715	13:00	1.3	WSW
20250715	13:15	1.3	WSW
20250715	13:30	1.3	WSW
20250715	13:45	0.9	WSW
20250715	14:00	1.3	WSW
20250715	14:15	1.3	WSW
20250715	14:30	1.8	WSW
20250715	14:45	1.8	WSW
20250715	15:00	1.8	WSW
20250715	15:15	1.3	WSW
20250715	15:30	1.3	WSW
20250715	15:45	1.3	WSW
20250715	16:00	1.3	NNW
20250715	16:15	0.9	NE
20250715	16:30	1.3	WSW
20250715	16:45	0.9	WSW
20250715	17:00	1.3	WSW
20250715	17:15	1.8	WSW
20250715	17:30	1.3	WSW
20250715	17:45	1.8	WSW
20250715	18:00	1.8	WSW
20250715	18:15	1.3	WSW
20250715	18:30	0.9	WSW
20250715	18:45	0.4	WSW
20250715	19:00	0	---
20250715	19:15	0	---
20250715	19:30	0	---
20250715	19:45	0	---
20250715	20:00	0.4	SW
20250715	20:15	0	SW
20250715	20:30	0	---
20250715	20:45	0	SSE
20250715	21:00	0	SSE
20250715	21:15	0.4	SSE
20250715	21:30	0	SSE
20250715	21:45	0	SSE
20250715	22:00	0	SSE
20250715	22:15	0	SSE
20250715	22:30	0	SSE
20250715	22:45	0	---
20250715	23:00	0	---
20250715	23:15	0	---
20250715	23:30	0	SSE
20250715	23:45	0	SSE

Date (YYYYMMDD)	Time (HH:MM)	Wind Speed (m/s)	Wind Direction
20250716	00:00	0.0	SSE
20250716	00:15	0.0	---
20250716	00:30	0.0	---
20250716	00:45	0.0	---
20250716	01:00	0.0	---
20250716	01:15	0.0	---
20250716	01:30	0.0	---
20250716	01:45	0.0	---
20250716	02:00	0.0	---
20250716	02:15	0.0	---
20250716	02:30	0.0	---
20250716	02:45	0.0	---
20250716	03:00	0.0	---
20250716	03:15	0.0	---
20250716	03:30	0.0	---
20250716	03:45	0.0	---
20250716	04:00	0.0	---
20250716	04:15	0.0	---
20250716	04:30	0.0	---
20250716	04:45	0.0	---
20250716	05:00	0.0	SSE
20250716	05:15	0.4	SSE
20250716	05:30	0.4	SSE
20250716	05:45	0.0	SSE
20250716	06:00	0.4	SSE
20250716	06:15	0.0	---
20250716	06:30	0.0	SE
20250716	06:45	0.0	SE
20250716	07:00	0.4	SE
20250716	07:15	0.4	SE
20250716	07:30	0.0	SE
20250716	07:45	0.0	SE
20250716	08:00	0.4	WSW
20250716	08:15	0.4	WSW
20250716	08:30	1.3	SE
20250716	08:45	0.9	WSW
20250716	09:00	0.9	WSW
20250716	09:15	1.3	WSW
20250716	09:30	1.3	WSW
20250716	09:45	1.8	WSW
20250716	10:00	2.2	WSW
20250716	10:15	1.8	N
20250716	10:30	2.2	NNW
20250716	10:45	1.8	NNW
20250716	11:00	1.8	N
20250716	11:15	2.2	WSW
20250716	11:30	1.8	N
20250716	11:45	1.8	NW
20250716	12:00	1.8	WSW
20250716	12:15	1.8	WSW
20250716	12:30	2.2	N
20250716	12:45	1.8	NNW
20250716	13:00	1.8	N
20250716	13:15	1.8	NNW
20250716	13:30	1.3	WSW
20250716	13:45	1.8	NNW
20250716	14:00	1.8	N
20250716	14:15	2.7	N
20250716	14:30	1.8	WSW
20250716	14:45	1.8	WSW
20250716	15:00	1.8	N
20250716	15:15	1.3	N
20250716	15:30	1.3	WSW
20250716	15:45	1.3	WSW
20250716	16:00	1.3	WNW
20250716	16:15	1.3	WSW
20250716	16:30	1.8	WSW
20250716	16:45	1.3	WSW
20250716	17:00	1.3	WSW
20250716	17:15	1.3	NNW
20250716	17:30	1.3	N
20250716	17:45	0.9	WSW
20250716	18:00	0.9	WSW
20250716	18:15	0.9	WSW
20250716	18:30	0.4	WSW
20250716	18:45	0.4	WSW
20250716	19:00	0.4	WSW
20250716	19:15	0.4	WSW
20250716	19:30	0	ESE
20250716	19:45	0	SE
20250716	20:00	0.4	SE
20250716	20:15	0.9	SE
20250716	20:30	1.3	SE
20250716	20:45	1.3	SSE
20250716	21:00	0.9	SSE
20250716	21:15	0.4	SSE
20250716	21:30	0	SSE
20250716	21:45	0	SSE
20250716	22:00	0	---
20250716	22:15	0	---
20250716	22:30	0	---
20250716	22:45	0	---
20250716	23:00	0	---
20250716	23:15	0	SSE
20250716	23:30	0	SSE
20250716	23:45	0	SSE

Date (YYYYMMDD)	Time (HH:MM)	Wind Speed (m/s)	Wind Direction
20250717	00:00	0.0	---
20250717	00:15	0.0	---
20250717	00:30	0.0	---
20250717	00:45	0.0	---
20250717	01:00	0.0	SSE
20250717	01:15	0.0	SSE
20250717	01:30	0.0	SSE
20250717	01:45	0.0	---
20250717	02:00	0.0	SSE
20250717	02:15	0.0	---
20250717	02:30	0.0	---
20250717	02:45	0.0	SSE
20250717	03:00	0.0	SSE
20250717	03:15	0.4	SSE
20250717	03:30	0.0	SSE
20250717	03:45	0.4	SSE
20250717	04:00	0.0	SSE
20250717	04:15	0.0	---
20250717	04:30	0.0	---
20250717	04:45	0.0	---
20250717	05:00	0.0	---
20250717	05:15	0.0	---
20250717	05:30	0.0	---
20250717	05:45	0.0	---
20250717	06:00	0.0	---
20250717	06:15	0.0	---
20250717	06:30	0.0	---
20250717	06:45	0.0	---
20250717	07:00	0.4	SSE
20250717	07:15	0.4	SSE
20250717	07:30	0.4	SE
20250717	07:45	0.0	SE
20250717	08:00	0.0	SE
20250717	08:15	0.4	S
20250717	08:30	1.3	WSW
20250717	08:45	0.9	SE
20250717	09:00	1.3	WSW
20250717	09:15	1.8	WSW
20250717	09:30	1.3	N
20250717	09:45	0.9	WNW
20250717	10:00	1.8	WSW
20250717	10:15	1.8	WSW
20250717	10:30	1.8	NNW
20250717	10:45	1.3	WSW
20250717	11:00	1.8	WNW
20250717	11:15	1.8	WSW
20250717	11:30	1.3	WSW
20250717	11:45	0.9	NNW

Date (YYYYMMDD)	Time (HH:MM)	Wind Speed (m/s)	Wind Direction
20250717	12:00	0.9	WSW
20250717	12:15	1.3	WNW
20250717	12:30	0.9	WSW
20250717	12:45	0.9	WSW
20250717	13:00	0.9	WSW
20250717	13:15	0.9	W
20250717	13:30	0.9	WSW
20250717	13:45	0.9	WSW
20250717	14:00	0.9	WSW
20250717	14:15	0.9	NW
20250717	14:30	1.3	WSW
20250717	14:45	0.9	WSW
20250717	15:00	1.3	WSW
20250717	15:15	1.3	WSW
20250717	15:30	1.3	WSW
20250717	15:45	1.3	NW
20250717	16:00	0.9	WSW
20250717	16:15	1.3	WSW
20250717	16:30	1.3	WSW
20250717	16:45	1.3	WSW
20250717	17:00	1.3	WSW
20250717	17:15	0.9	WSW
20250717	17:30	0.9	WSW
20250717	17:45	0.9	WSW
20250717	18:00	0.4	E
20250717	18:15	0.9	WSW
20250717	18:30	0.4	SW
20250717	18:45	0.4	S
20250717	19:00	0.9	S
20250717	19:15	0.9	SSE
20250717	19:30	0.4	S
20250717	19:45	0.4	S
20250717	20:00	0	---
20250717	20:15	0	SSW
20250717	20:30	0	---
20250717	20:45	0	---
20250717	21:00	0	SSW
20250717	21:15	0	---
20250717	21:30	0	---
20250717	21:45	0	---
20250717	22:00	0	---
20250717	22:15	0	---
20250717	22:30	0	---
20250717	22:45	0	---
20250717	23:00	0	---
20250717	23:15	0	---
20250717	23:30	0.4	SSW
20250717	23:45	0	SSW

Date (YYYYMMDD)	Time (HH:MM)	Wind Speed (m/s)	Wind Direction
20250718	00:00	0.0	SSW
20250718	00:15	0.0	---
20250718	00:30	0.0	---
20250718	00:45	0.0	---
20250718	01:00	0.0	SSW
20250718	01:15	0.0	SSW
20250718	01:30	0.0	---
20250718	01:45	0.0	---
20250718	02:00	0.0	---
20250718	02:15	0.0	---
20250718	02:30	0.0	---
20250718	02:45	0.0	---
20250718	03:00	0.0	---
20250718	03:15	0.9	SSW
20250718	03:30	0.4	SSW
20250718	03:45	0.0	SSW
20250718	04:00	0.4	SSW
20250718	04:15	0.9	SSW
20250718	04:30	0.4	ESE
20250718	04:45	2.7	SE
20250718	05:00	2.7	SE
20250718	05:15	2.7	SE
20250718	05:30	0.9	SE
20250718	05:45	0.0	NW
20250718	06:00	0.4	SSE
20250718	06:15	0.4	SE
20250718	06:30	0.4	NNW
20250718	06:45	0.0	---
20250718	07:00	0.0	NNW
20250718	07:15	0.0	ENE
20250718	07:30	0.9	N
20250718	07:45	0.0	NNE
20250718	08:00	0.4	NNE
20250718	08:15	0.4	NNE
20250718	08:30	0.9	SE
20250718	08:45	1.3	SE
20250718	09:00	1.3	SE
20250718	09:15	0.9	SE
20250718	09:30	0.4	NNW
20250718	09:45	0.4	NNW
20250718	10:00	0.4	NNE
20250718	10:15	1.3	SE
20250718	10:30	0.9	SSE
20250718	10:45	0.9	SE
20250718	11:00	2.2	N
20250718	11:15	1.3	NNW
20250718	11:30	1.3	WSW
20250718	11:45	1.8	N

Date (YYYYMMDD)	Time (HH:MM)	Wind Speed (m/s)	Wind Direction
20250718	12:00	0.9	N
20250718	12:15	0.4	SE
20250718	12:30	0.9	ESE
20250718	12:45	0.0	ESE
20250718	13:00	0.0	ESE
20250718	13:15	0.0	E
20250718	13:30	0.4	E
20250718	13:45	3.1	SE
20250718	14:00	1.8	SE
20250718	14:15	0.9	SE
20250718	14:30	0.9	SSE
20250718	14:45	0.4	SSE
20250718	15:00	0.0	---
20250718	15:15	0.9	SSE
20250718	15:30	0.4	SSE
20250718	15:45	0.0	SSE
20250718	16:00	0.4	NNW
20250718	16:15	0.4	NNW
20250718	16:30	0.4	WSW
20250718	16:45	0.9	SE
20250718	17:00	0.4	SSE
20250718	17:15	0.9	SE
20250718	17:30	0.4	SE
20250718	17:45	0.0	E
20250718	18:00	0	E
20250718	18:15	0	---
20250718	18:30	0.4	E
20250718	18:45	0	ESE
20250718	19:00	0	ESE
20250718	19:15	0.4	ESE
20250718	19:30	0	---
20250718	19:45	0	S
20250718	20:00	0.4	S
20250718	20:15	0	SSE
20250718	20:30	0	---
20250718	20:45	0	---
20250718	21:00	0	---
20250718	21:15	0	---
20250718	21:30	0.4	SSE
20250718	21:45	0.4	SSE
20250718	22:00	0	SSE
20250718	22:15	0.9	SSE
20250718	22:30	0.9	SSE
20250718	22:45	0.4	SSE
20250718	23:00	0.9	SSE
20250718	23:15	0.4	SE
20250718	23:30	0	SE
20250718	23:45	0	---

Date (YYYYMMDD)	Time (HH:MM)	Wind Speed (m/s)	Wind Direction
20250719	00:00	0.4	SE
20250719	00:15	0.4	SE
20250719	00:30	0.0	SE
20250719	00:45	0.4	SE
20250719	01:00	0.4	SE
20250719	01:15	0.4	SSW
20250719	01:30	0.9	SE
20250719	01:45	0.0	SE
20250719	02:00	0.0	SE
20250719	02:15	0.4	SE
20250719	02:30	0.4	N
20250719	02:45	0.4	ENE
20250719	03:00	0.4	E
20250719	03:15	0.4	E
20250719	03:30	0.9	E
20250719	03:45	0.4	SE
20250719	04:00	0.4	SE
20250719	04:15	0.0	NNE
20250719	04:30	0.4	NNW
20250719	04:45	0.0	NNW
20250719	05:00	0.0	---
20250719	05:15	0.0	NNW
20250719	05:30	0.4	NNW
20250719	05:45	0.4	NNW
20250719	06:00	0.0	NNW
20250719	06:15	0.0	NNW
20250719	06:30	0.0	---
20250719	06:45	0.0	NNW
20250719	07:00	0.4	NNW
20250719	07:15	0.4	N
20250719	07:30	0.4	N
20250719	07:45	0.9	NNW
20250719	08:00	1.3	NNW
20250719	08:15	1.3	NNW
20250719	08:30	1.3	NNW
20250719	08:45	1.3	NNW
20250719	09:00	1.3	NNW
20250719	09:15	0.9	NNW
20250719	09:30	1.3	NNW
20250719	09:45	1.8	NNW
20250719	10:00	1.8	NNW
20250719	10:15	1.3	NNW
20250719	10:30	1.8	NNW
20250719	10:45	1.8	NNW
20250719	11:00	1.3	NNW
20250719	11:15	1.8	NNW
20250719	11:30	1.8	NW
20250719	11:45	1.8	NW

Date (YYYYMMDD)	Time (HH:MM)	Wind Speed (m/s)	Wind Direction
20250719	12:00	2.7	NW
20250719	12:15	2.2	NW
20250719	12:30	1.8	NNW
20250719	12:45	1.8	NNW
20250719	13:00	1.8	NNW
20250719	13:15	1.3	NW
20250719	13:30	1.3	NNW
20250719	13:45	1.3	N
20250719	14:00	1.3	NW
20250719	14:15	1.3	NW
20250719	14:30	1.3	NNW
20250719	14:45	0.9	NNW
20250719	15:00	0.9	NNE
20250719	15:15	0.4	NE
20250719	15:30	0.4	NW
20250719	15:45	1.3	N
20250719	16:00	0.4	NNE
20250719	16:15	0.4	ESE
20250719	16:30	1.8	NW
20250719	16:45	1.8	NNW
20250719	17:00	0.9	NNW
20250719	17:15	1.3	NW
20250719	17:30	0.4	NE
20250719	17:45	0.4	N
20250719	18:00	0.9	N
20250719	18:15	0.9	N
20250719	18:30	0.9	NNW
20250719	18:45	0.9	NNW
20250719	19:00	0.9	NNW
20250719	19:15	2.2	SE
20250719	19:30	1.8	SE
20250719	19:45	1.3	SE
20250719	20:00	2.7	SE
20250719	20:15	3.1	SE
20250719	20:30	2.2	SE
20250719	20:45	2.7	SE
20250719	21:00	2.7	SE
20250719	21:15	2.7	SE
20250719	21:30	0.9	ENE
20250719	21:45	0.4	NE
20250719	22:00	0.9	NNW
20250719	22:15	0.4	N
20250719	22:30	0	NNE
20250719	22:45	0	NNE
20250719	23:00	0	NNE
20250719	23:15	0	---
20250719	23:30	0	---
20250719	23:45	0	---

Date (YYYYMMDD)	Time (HH:MM)	Wind Speed (m/s)	Wind Direction
20250720	00:00	0.0	---
20250720	00:15	0.0	ENE
20250720	00:30	0.0	ENE
20250720	00:45	0.4	ENE
20250720	01:00	0.0	WNW
20250720	01:15	0.0	---
20250720	01:30	0.0	---
20250720	01:45	0.0	---
20250720	02:00	0.0	---
20250720	02:15	0.0	---
20250720	02:30	0.0	---
20250720	02:45	0.0	N
20250720	03:00	0.9	N
20250720	03:15	1.3	NNW
20250720	03:30	0.9	NNW
20250720	03:45	1.8	NNW
20250720	04:00	2.2	NNW
20250720	04:15	3.1	NW
20250720	04:30	2.2	NNW
20250720	04:45	2.2	NNW
20250720	05:00	2.2	NNW
20250720	05:15	2.7	NW
20250720	05:30	2.7	NNW
20250720	05:45	2.7	NNW
20250720	06:00	2.2	NNW
20250720	06:15	2.2	NNW
20250720	06:30	2.2	NNW
20250720	06:45	1.8	NNW
20250720	07:00	2.7	NW
20250720	07:15	2.7	NNW
20250720	07:30	3.1	NNW
20250720	07:45	3.6	NNW
20250720	08:00	4.0	NW
20250720	08:15	4.5	NW
20250720	08:30	5.8	NW
20250720	08:45	5.8	NW
20250720	09:00	5.4	NW
20250720	09:15	6.3	NW
20250720	09:30	4.5	NNW
20250720	09:45	4.0	NNW
20250720	10:00	4.0	N
20250720	10:15	3.6	NW
20250720	10:30	3.6	NNW
20250720	10:45	3.1	N
20250720	11:00	3.1	SE
20250720	11:15	3.6	SE
20250720	11:30	4.9	SE
20250720	11:45	4.5	SE

Date (YYYYMMDD)	Time (HH:MM)	Wind Speed (m/s)	Wind Direction
20250720	12:00	4.5	SE
20250720	12:15	4.0	SE
20250720	12:30	4.9	SE
20250720	12:45	5.4	SE
20250720	13:00	5.4	SE
20250720	13:15	4.5	SE
20250720	13:30	4.0	SE
20250720	13:45	4.5	SE
20250720	14:00	4.9	SE
20250720	14:15	4.9	SE
20250720	14:30	4.0	SE
20250720	14:45	3.6	SE
20250720	15:00	3.6	SE
20250720	15:15	3.1	SE
20250720	15:30	3.6	SE
20250720	15:45	2.7	SE
20250720	16:00	2.2	SE
20250720	16:15	2.7	SE
20250720	16:30	3.1	SE
20250720	16:45	2.7	ESE
20250720	17:00	3.1	SE
20250720	17:15	3.6	SE
20250720	17:30	2.2	SE
20250720	17:45	3.6	SE
20250720	18:00	3.6	SE
20250720	18:15	3.6	SE
20250720	18:30	2.2	SE
20250720	18:45	4.5	SE
20250720	19:00	4	SE
20250720	19:15	3.1	SE
20250720	19:30	2.7	SE
20250720	19:45	4	SE
20250720	20:00	3.1	SE
20250720	20:15	3.6	SE
20250720	20:30	3.6	SE
20250720	20:45	3.1	SE
20250720	21:00	2.7	SE
20250720	21:15	3.1	SE
20250720	21:30	1.8	SE
20250720	21:45	2.2	SE
20250720	22:00	2.7	SE
20250720	22:15	1.8	SE
20250720	22:30	2.7	SE
20250720	22:45	2.7	SE
20250720	23:00	2.7	SE
20250720	23:15	2.2	SE
20250720	23:30	2.2	SE
20250720	23:45	2.2	SE

Date (YYYYMMDD)	Time (HH:MM)	Wind Speed (m/s)	Wind Direction
20250721	00:00	1.8	SE
20250721	00:15	2.2	SE
20250721	00:30	1.8	SE
20250721	00:45	1.8	SE
20250721	01:00	1.8	SE
20250721	01:15	2.2	SE
20250721	01:30	2.7	SE
20250721	01:45	1.3	SE
20250721	02:00	1.3	SE
20250721	02:15	1.3	SE
20250721	02:30	1.3	SE
20250721	02:45	1.3	SE
20250721	03:00	0.9	E
20250721	03:15	1.3	SE
20250721	03:30	0.9	SE
20250721	03:45	1.8	SE
20250721	04:00	1.3	SE
20250721	04:15	0.9	SE
20250721	04:30	1.3	SE
20250721	04:45	0.4	ESE
20250721	05:00	0.9	SE
20250721	05:15	0.9	ESE
20250721	05:30	0.9	SE
20250721	05:45	0.9	SE
20250721	06:00	1.3	SE
20250721	06:15	1.3	SE
20250721	06:30	1.3	SE
20250721	06:45	1.3	SE
20250721	07:00	1.3	SE
20250721	07:15	1.3	SE
20250721	07:30	1.3	SE
20250721	07:45	1.8	SE
20250721	08:00	1.8	SE
20250721	08:15	1.3	ESE
20250721	08:30	1.3	SE
20250721	08:45	1.8	SE
20250721	09:00	1.3	SE
20250721	09:15	1.8	SE
20250721	09:30	1.8	SE
20250721	09:45	1.8	SE
20250721	10:00	1.3	SE
20250721	10:15	0.9	SE
20250721	10:30	0.9	SE
20250721	10:45	0.9	E
20250721	11:00	0.9	E
20250721	11:15	1.8	SE
20250721	11:30	1.3	SE
20250721	11:45	0.9	ESE

Date (YYYYMMDD)	Time (HH:MM)	Wind Speed (m/s)	Wind Direction
20250721	12:00	1.3	ESE
20250721	12:15	1.3	SE
20250721	12:30	0.9	SE
20250721	12:45	1.8	SE
20250721	13:00	1.3	SE
20250721	13:15	1.8	SE
20250721	13:30	1.8	SE
20250721	13:45	2.2	SE
20250721	14:00	1.3	SE
20250721	14:15	1.3	SE
20250721	14:30	1.3	SE
20250721	14:45	1.3	ESE
20250721	15:00	0.9	SE
20250721	15:15	0.4	ENE
20250721	15:30	0.9	SE
20250721	15:45	1.3	SE
20250721	16:00	0.9	SE
20250721	16:15	0.9	SE
20250721	16:30	0.9	SE
20250721	16:45	1.3	SE
20250721	17:00	1.3	SE
20250721	17:15	2.2	SE
20250721	17:30	1.8	SE
20250721	17:45	0.9	SE
20250721	18:00	0.9	SE
20250721	18:15	1.3	ESE
20250721	18:30	0.9	SE
20250721	18:45	1.8	SE
20250721	19:00	2.2	SE
20250721	19:15	2.7	SE
20250721	19:30	1.8	SE
20250721	19:45	1.3	SE
20250721	20:00	1.3	SE
20250721	20:15	1.8	SE
20250721	20:30	1.8	SE
20250721	20:45	1.8	SE
20250721	21:00	1.8	ESE
20250721	21:15	2.2	SE
20250721	21:30	2.2	SE
20250721	21:45	2.2	SE
20250721	22:00	2.2	SE
20250721	22:15	2.7	SE
20250721	22:30	2.2	SE
20250721	22:45	2.7	SE
20250721	23:00	2.7	SE
20250721	23:15	2.7	SE
20250721	23:30	2.2	SE
20250721	23:45	2.2	SE

Date (YYYYMMDD)	Time (HH:MM)	Wind Speed (m/s)	Wind Direction
20250722	00:00	2.2	SE
20250722	00:15	1.8	SE
20250722	00:30	2.7	SE
20250722	00:45	2.2	SE
20250722	01:00	1.3	SE
20250722	01:15	0.9	SE
20250722	01:30	1.3	SE
20250722	01:45	1.3	SE
20250722	02:00	1.3	SE
20250722	02:15	1.3	SE
20250722	02:30	1.8	SE
20250722	02:45	1.8	SE
20250722	03:00	1.8	SE
20250722	03:15	2.2	SE
20250722	03:30	2.2	SE
20250722	03:45	2.2	SE
20250722	04:00	2.2	SE
20250722	04:15	2.7	SE
20250722	04:30	2.7	SE
20250722	04:45	2.2	SE
20250722	05:00	2.2	SE
20250722	05:15	2.2	SE
20250722	05:30	2.2	SE
20250722	05:45	2.2	SE
20250722	06:00	2.2	SE
20250722	06:15	2.7	SE
20250722	06:30	2.2	SE
20250722	06:45	2.7	SE
20250722	07:00	3.1	SE
20250722	07:15	2.7	SE
20250722	07:30	2.7	SE
20250722	07:45	3.1	SE
20250722	08:00	3.6	SE
20250722	08:15	3.6	SE
20250722	08:30	3.1	SE
20250722	08:45	3.1	SE
20250722	09:00	2.7	SE
20250722	09:15	2.7	SE
20250722	09:30	2.2	SE
20250722	09:45	2.2	SE
20250722	10:00	2.7	SE
20250722	10:15	3.1	SE
20250722	10:30	3.1	SE
20250722	10:45	2.2	SE
20250722	11:00	2.7	SE
20250722	11:15	2.7	SE
20250722	11:30	1.8	SE
20250722	11:45	2.2	SE

Date (YYYYMMDD)	Time (HH:MM)	Wind Speed (m/s)	Wind Direction
20250722	12:00	2.2	SE
20250722	12:15	2.7	SE
20250722	12:30	2.2	SE
20250722	12:45	2.2	SE
20250722	13:00	2.2	SE
20250722	13:15	2.2	SE
20250722	13:30	2.2	SE
20250722	13:45	2.7	SE
20250722	14:00	3.1	SE
20250722	14:15	2.7	SE
20250722	14:30	2.7	SE
20250722	14:45	3.1	SE
20250722	15:00	3.1	SE
20250722	15:15	3.1	SE
20250722	15:30	3.6	SE
20250722	15:45	3.1	SE
20250722	16:00	3.1	SE
20250722	16:15	1.8	SE
20250722	16:30	1.8	SE
20250722	16:45	2.2	SE
20250722	17:00	1.8	SE
20250722	17:15	1.3	SE
20250722	17:30	2.2	SE
20250722	17:45	2.2	ESE
20250722	18:00	2.2	SE
20250722	18:15	2.2	SE
20250722	18:30	1.8	SE
20250722	18:45	1.3	SE
20250722	19:00	1.8	SE
20250722	19:15	1.3	SE
20250722	19:30	1.3	ESE
20250722	19:45	1.3	SE
20250722	20:00	1.3	SE
20250722	20:15	1.3	SE
20250722	20:30	1.3	SE
20250722	20:45	1.3	SE
20250722	21:00	0.9	WSW
20250722	21:15	1.3	SE
20250722	21:30	0.4	SSW
20250722	21:45	0.4	SSE
20250722	22:00	0.9	ESE
20250722	22:15	0.9	NE
20250722	22:30	0.4	WSW
20250722	22:45	0.4	SE
20250722	23:00	0.9	SE
20250722	23:15	0.4	ENE
20250722	23:30	0.9	ENE
20250722	23:45	2.2	SE

Date (YYYYMMDD)	Time (HH:MM)	Wind Speed (m/s)	Wind Direction
20250723	00:00	1.8	SE
20250723	00:15	1.8	SE
20250723	00:30	2.7	SE
20250723	00:45	2.2	SE
20250723	01:00	2.2	SE
20250723	01:15	2.7	SE
20250723	01:30	2.7	SE
20250723	01:45	1.8	SE
20250723	02:00	1.8	SE
20250723	02:15	2.2	SE
20250723	02:30	1.8	SE
20250723	02:45	1.8	SE
20250723	03:00	2.2	SE
20250723	03:15	2.2	SE
20250723	03:30	2.2	SE
20250723	03:45	2.2	SE
20250723	04:00	1.8	SE
20250723	04:15	1.8	SE
20250723	04:30	1.3	SE
20250723	04:45	1.3	SE
20250723	05:00	1.3	SE
20250723	05:15	0.9	SE
20250723	05:30	0.9	ESE
20250723	05:45	0.4	SE
20250723	06:00	1.3	SE
20250723	06:15	1.8	SE
20250723	06:30	0.9	ENE
20250723	06:45	0.9	SE
20250723	07:00	0.4	SE
20250723	07:15	0.9	N
20250723	07:30	0.4	NNW
20250723	07:45	0.0	N
20250723	08:00	0.0	---
20250723	08:15	0.0	---
20250723	08:30	0.4	NNW
20250723	08:45	0.9	N
20250723	09:00	0.9	N
20250723	09:15	0.9	N
20250723	09:30	0.4	NNW
20250723	09:45	0.9	S
20250723	10:00	0.9	N
20250723	10:15	0.4	E
20250723	10:30	0.9	E
20250723	10:45	0.9	NNW
20250723	11:00	0.9	N
20250723	11:15	0.9	N
20250723	11:30	0.9	SE
20250723	11:45	0.9	ESE

Date (YYYYMMDD)	Time (HH:MM)	Wind Speed (m/s)	Wind Direction
20250723	12:00	1.3	SE
20250723	12:15	1.3	SE
20250723	12:30	0.9	ESE
20250723	12:45	1.3	SE
20250723	13:00	1.3	ESE
20250723	13:15	0.9	SE
20250723	13:30	0.9	SE
20250723	13:45	2.2	SE
20250723	14:00	1.8	SE
20250723	14:15	0.9	ESE
20250723	14:30	1.8	SE
20250723	14:45	1.3	SE
20250723	15:00	1.3	SE
20250723	15:15	1.8	ESE
20250723	15:30	2.2	SE
20250723	15:45	1.8	SE
20250723	16:00	1.3	SE
20250723	16:15	1.8	SE
20250723	16:30	1.8	SE
20250723	16:45	1.8	SE
20250723	17:00	1.8	SE
20250723	17:15	1.3	SE
20250723	17:30	0.9	SE
20250723	17:45	1.3	SE
20250723	18:00	0.9	SE
20250723	18:15	1.3	SE
20250723	18:30	0.9	SE
20250723	18:45	0.9	SE
20250723	19:00	0.9	SE
20250723	19:15	0.9	SE
20250723	19:30	0.4	SE
20250723	19:45	0.4	ESE
20250723	20:00	0.4	ESE
20250723	20:15	0	ESE
20250723	20:30	0.4	E
20250723	20:45	0	E
20250723	21:00	0	E
20250723	21:15	0.4	E
20250723	21:30	0.4	E
20250723	21:45	0	E
20250723	22:00	0	---
20250723	22:15	0	E
20250723	22:30	0	ENE
20250723	22:45	0	---
20250723	23:00	0	ENE
20250723	23:15	0	ENE
20250723	23:30	0	E
20250723	23:45	0	E

Date (YYYYMMDD)	Time (HH:MM)	Wind Speed (m/s)	Wind Direction
20250724	00:00	0.0	E
20250724	00:15	0.0	E
20250724	00:30	0.0	E
20250724	00:45	0.0	---
20250724	01:00	0.0	---
20250724	01:15	0.0	---
20250724	01:30	0.0	---
20250724	01:45	0.0	---
20250724	02:00	0.0	---
20250724	02:15	0.0	---
20250724	02:30	0.0	---
20250724	02:45	0.0	---
20250724	03:00	0.0	---
20250724	03:15	0.0	---
20250724	03:30	0.0	---
20250724	03:45	0.0	---
20250724	04:00	0.0	---
20250724	04:15	0.0	---
20250724	04:30	0.0	ENE
20250724	04:45	0.0	ENE
20250724	05:00	0.0	ENE
20250724	05:15	0.0	ENE
20250724	05:30	0.0	---
20250724	05:45	0.0	---
20250724	06:00	0.0	---
20250724	06:15	0.0	---
20250724	06:30	0.4	NNE
20250724	06:45	0.9	N
20250724	07:00	0.4	N
20250724	07:15	0.4	N
20250724	07:30	0.4	N
20250724	07:45	1.3	N
20250724	08:00	1.3	NNW
20250724	08:15	1.3	NNW
20250724	08:30	1.3	NNW
20250724	08:45	1.3	NNW
20250724	09:00	1.3	NNW
20250724	09:15	1.3	NNW
20250724	09:30	1.3	N
20250724	09:45	1.3	N
20250724	10:00	1.3	NNW
20250724	10:15	0.9	NNW
20250724	10:30	0.9	N
20250724	10:45	0.9	N
20250724	11:00	0.9	NNW
20250724	11:15	1.3	N
20250724	11:30	1.3	NNW
20250724	11:45	1.3	NNW

Date (YYYYMMDD)	Time (HH:MM)	Wind Speed (m/s)	Wind Direction
20250724	12:00	1.3	NNW
20250724	12:15	0.9	NNW
20250724	12:30	1.3	N
20250724	12:45	1.3	NW
20250724	13:00	0.9	NNW
20250724	13:15	1.3	NNW
20250724	13:30	2.2	N
20250724	13:45	0.9	NW
20250724	14:00	0.4	W
20250724	14:15	1.8	SE
20250724	14:30	2.2	WSW
20250724	14:45	1.3	WSW
20250724	15:00	1.8	WSW
20250724	15:15	1.8	WSW
20250724	15:30	0.9	WSW
20250724	15:45	1.3	WSW
20250724	16:00	0.4	NNE
20250724	16:15	2.2	SE
20250724	16:30	1.3	SE
20250724	16:45	1.3	SSE
20250724	17:00	1.8	SE
20250724	17:15	2.2	SE
20250724	17:30	1.3	SE
20250724	17:45	1.8	SE
20250724	18:00	1.3	SE
20250724	18:15	1.3	SE
20250724	18:30	1.3	SE
20250724	18:45	0.9	SSE
20250724	19:00	0.4	ENE
20250724	19:15	0.4	E
20250724	19:30	0	SSE
20250724	19:45	0	SSE
20250724	20:00	0.4	SSE
20250724	20:15	0.4	SSE
20250724	20:30	0.4	SE
20250724	20:45	0	SE
20250724	21:00	0	SE
20250724	21:15	0	---
20250724	21:30	0	---
20250724	21:45	0	---
20250724	22:00	0	---
20250724	22:15	0	SE
20250724	22:30	0	---
20250724	22:45	0	SE
20250724	23:00	0	SE
20250724	23:15	0	---
20250724	23:30	0	---
20250724	23:45	0	SE

Date (YYYYMMDD)	Time (HH:MM)	Wind Speed (m/s)	Wind Direction
20250725	00:00	0.0	SE
20250725	00:15	0.0	SE
20250725	00:30	0.0	---
20250725	00:45	0.0	SE
20250725	01:00	0.0	SE
20250725	01:15	0.0	SE
20250725	01:30	0.0	SE
20250725	01:45	0.0	SE
20250725	02:00	0.0	SE
20250725	02:15	0.0	SE
20250725	02:30	0.0	SE
20250725	02:45	0.0	SE
20250725	03:00	0.4	SE
20250725	03:15	0.0	---
20250725	03:30	0.0	SE
20250725	03:45	0.4	SE
20250725	04:00	0.4	SE
20250725	04:15	0.0	SE
20250725	04:30	0.0	---
20250725	04:45	0.0	---
20250725	05:00	0.0	SE
20250725	05:15	0.4	SE
20250725	05:30	0.0	---
20250725	05:45	0.0	SE
20250725	06:00	0.4	SE
20250725	06:15	0.4	SE
20250725	06:30	0.4	SE
20250725	06:45	0.0	SE
20250725	07:00	0.0	---
20250725	07:15	0.0	---
20250725	07:30	0.0	SSE
20250725	07:45	0.0	SSE
20250725	08:00	0.9	WSW
20250725	08:15	0.4	N
20250725	08:30	1.3	N
20250725	08:45	1.3	N
20250725	09:00	0.9	NNW
20250725	09:15	0.9	NNW
20250725	09:30	0.9	NNW
20250725	09:45	1.3	N
20250725	10:00	0.9	N
20250725	10:15	1.3	NNW
20250725	10:30	1.3	NNW
20250725	10:45	1.8	N
20250725	11:00	1.3	N
20250725	11:15	1.8	N
20250725	11:30	1.8	NNW
20250725	11:45	1.8	N

Date (YYYYMMDD)	Time (HH:MM)	Wind Speed (m/s)	Wind Direction
20250725	12:00	1.8	N
20250725	12:15	2.2	NNW
20250725	12:30	1.3	NNW
20250725	12:45	1.3	NNW
20250725	13:00	1.3	NNW
20250725	13:15	1.3	WNW
20250725	13:30	1.3	NNW
20250725	13:45	0.9	NNW
20250725	14:00	0.9	N
20250725	14:15	0.9	WSW
20250725	14:30	1.3	WSW
20250725	14:45	0.9	WSW
20250725	15:00	0.4	WSW
20250725	15:15	1.3	WSW
20250725	15:30	0.4	SE
20250725	15:45	0.9	SSE
20250725	16:00	0.9	SSE
20250725	16:15	0.4	SE
20250725	16:30	0.4	S
20250725	16:45	0.0	NW
20250725	17:00	0.4	WSW
20250725	17:15	0.9	WSW
20250725	17:30	0.4	ESE
20250725	17:45	0.4	SW
20250725	18:00	0.9	SSE
20250725	18:15	0.4	SE
20250725	18:30	0.4	SE
20250725	18:45	0.9	N
20250725	19:00	1.8	N
20250725	19:15	2.7	SE
20250725	19:30	3.6	SE
20250725	19:45	3.6	SE
20250725	20:00	3.6	SE
20250725	20:15	1.8	SE
20250725	20:30	0.4	ESE
20250725	20:45	0	NNE
20250725	21:00	0.4	ESE
20250725	21:15	0.4	ESE
20250725	21:30	0	---
20250725	21:45	0.4	N
20250725	22:00	0.4	NE
20250725	22:15	0.4	NE
20250725	22:30	0.4	NE
20250725	22:45	0.4	SE
20250725	23:00	0.9	SE
20250725	23:15	0	SE
20250725	23:30	0.4	N
20250725	23:45	0	E

Date (YYYYMMDD)	Time (HH:MM)	Wind Speed (m/s)	Wind Direction
20250726	00:00	0.0	---
20250726	00:15	0.0	E
20250726	00:30	0.0	E
20250726	00:45	0.4	E
20250726	01:00	0.4	ESE
20250726	01:15	0.9	ESE
20250726	01:30	0.4	ESE
20250726	01:45	0.0	ESE
20250726	02:00	0.0	ESE
20250726	02:15	0.0	---
20250726	02:30	0.0	---
20250726	02:45	0.0	---
20250726	03:00	0.0	ESE
20250726	03:15	0.0	ESE
20250726	03:30	0.0	ESE
20250726	03:45	0.4	ESE
20250726	04:00	0.4	ESE
20250726	04:15	0.4	ESE
20250726	04:30	0.0	ESE
20250726	04:45	0.4	ESE
20250726	05:00	0.4	ESE
20250726	05:15	0.4	ESE
20250726	05:30	0.0	---
20250726	05:45	0.0	---
20250726	06:00	0.0	---
20250726	06:15	0.4	ESE
20250726	06:30	0.0	---
20250726	06:45	0.4	ESE
20250726	07:00	0.0	---
20250726	07:15	0.0	---
20250726	07:30	0.0	---
20250726	07:45	0.0	---
20250726	08:00	0.0	---
20250726	08:15	0.9	WSW
20250726	08:30	0.4	SSW
20250726	08:45	0.4	WSW
20250726	09:00	0.4	N
20250726	09:15	0.9	SE
20250726	09:30	0.9	N
20250726	09:45	0.4	NNW
20250726	10:00	0.4	N
20250726	10:15	0.4	N
20250726	10:30	0.4	N
20250726	10:45	0.4	NNW
20250726	11:00	0.9	NNW
20250726	11:15	1.3	N
20250726	11:30	1.3	NNW
20250726	11:45	0.9	NNW
20250726	12:00	1.3	N
20250726	12:15	1.3	N
20250726	12:30	0.9	WNW
20250726	12:45	0.9	WSW
20250726	13:00	1.3	WSW
20250726	13:15	1.3	WSW
20250726	13:30	0.9	SE
20250726	13:45	0.9	WSW
20250726	14:00	0.9	WSW
20250726	14:15	1.8	WSW
20250726	14:30	1.3	WSW
20250726	14:45	1.3	SE
20250726	15:00	0.9	WSW
20250726	15:15	1.3	WSW
20250726	15:30	0.9	NNW
20250726	15:45	1.3	NNW
20250726	16:00	1.3	WSW
20250726	16:15	0.9	SE
20250726	16:30	0.9	WSW
20250726	16:45	1.3	N
20250726	17:00	1.3	WSW
20250726	17:15	1.3	WSW
20250726	17:30	0.9	WSW
20250726	17:45	0.9	WSW
20250726	18:00	0.9	WSW
20250726	18:15	0.9	WSW
20250726	18:30	0.9	WSW
20250726	18:45	0	WSW
20250726	19:00	0.4	WSW
20250726	19:15	0.4	WSW
20250726	19:30	0.4	WSW
20250726	19:45	0.4	SE
20250726	20:00	0	SSW
20250726	20:15	0.4	SW
20250726	20:30	0.4	SW
20250726	20:45	0	SW
20250726	21:00	0	---
20250726	21:15	0	SW
20250726	21:30	0.4	SW
20250726	21:45	0.4	SW
20250726	22:00	0.4	SW
20250726	22:15	0	SW
20250726	22:30	0	---
20250726	22:45	0	SW
20250726	23:00	0	---
20250726	23:15	0	SW
20250726	23:30	0	SW
20250726	23:45	0	---

Date (YYYYMMDD)	Time (HH:MM)	Wind Speed (m/s)	Wind Direction
20250727	00:00	0.0	SW
20250727	00:15	0.0	---
20250727	00:30	0.0	---
20250727	00:45	0.0	SW
20250727	01:00	0.0	SW
20250727	01:15	0.0	---
20250727	01:30	0.0	---
20250727	01:45	0.0	---
20250727	02:00	0.0	---
20250727	02:15	0.0	SW
20250727	02:30	0.0	SW
20250727	02:45	0.4	SW
20250727	03:00	0.0	SSW
20250727	03:15	0.0	---
20250727	03:30	0.4	SSW
20250727	03:45	0.0	SSW
20250727	04:00	0.0	SSW
20250727	04:15	0.0	SSW
20250727	04:30	0.4	SSW
20250727	04:45	0.4	SSW
20250727	05:00	0.4	SSW
20250727	05:15	0.0	---
20250727	05:30	0.4	SSW
20250727	05:45	0.0	SSW
20250727	06:00	0.0	---
20250727	06:15	0.0	---
20250727	06:30	0.0	---
20250727	06:45	0.0	---
20250727	07:00	0.0	---
20250727	07:15	0.0	---
20250727	07:30	0.0	---
20250727	07:45	0.4	WSW
20250727	08:00	0.4	WSW
20250727	08:15	1.3	WSW
20250727	08:30	0.9	WSW
20250727	08:45	1.3	WSW
20250727	09:00	0.9	WSW
20250727	09:15	1.3	WSW
20250727	09:30	0.9	WSW
20250727	09:45	1.3	N
20250727	10:00	1.8	N
20250727	10:15	1.3	N
20250727	10:30	1.3	WSW
20250727	10:45	1.3	WSW
20250727	11:00	1.3	NNW
20250727	11:15	1.3	WSW
20250727	11:30	1.8	WSW
20250727	11:45	1.3	WSW

Date (YYYYMMDD)	Time (HH:MM)	Wind Speed (m/s)	Wind Direction
20250727	12:00	1.3	WSW
20250727	12:15	1.8	NNW
20250727	12:30	1.8	WSW
20250727	12:45	1.3	SW
20250727	13:00	1.3	NW
20250727	13:15	1.8	N
20250727	13:30	1.8	WSW
20250727	13:45	1.8	WSW
20250727	14:00	1.8	WSW
20250727	14:15	2.2	WSW
20250727	14:30	1.8	WSW
20250727	14:45	1.8	WSW
20250727	15:00	1.8	WSW
20250727	15:15	1.8	WSW
20250727	15:30	1.8	N
20250727	15:45	1.3	NNW
20250727	16:00	1.3	WSW
20250727	16:15	0.9	WSW
20250727	16:30	1.8	WSW
20250727	16:45	1.8	WSW
20250727	17:00	0.9	WSW
20250727	17:15	0.9	WSW
20250727	17:30	0.9	WSW
20250727	17:45	1.3	WSW
20250727	18:00	0.9	WSW
20250727	18:15	0.4	WSW
20250727	18:30	0.4	WSW
20250727	18:45	0.4	WSW
20250727	19:00	0.4	SW
20250727	19:15	0	SW
20250727	19:30	0	---
20250727	19:45	0	SSW
20250727	20:00	0	---
20250727	20:15	0	---
20250727	20:30	0.4	SSW
20250727	20:45	0.4	S
20250727	21:00	0.9	S
20250727	21:15	0.9	S
20250727	21:30	0.9	S
20250727	21:45	0.4	S
20250727	22:00	0.4	S
20250727	22:15	0	S
20250727	22:30	0	---
20250727	22:45	0	S
20250727	23:00	0	---
20250727	23:15	0	---
20250727	23:30	0	S
20250727	23:45	0.4	S

Date (YYYYMMDD)	Time (HH:MM)	Wind Speed (m/s)	Wind Direction
20250728	00:00	0.0	S
20250728	00:15	0.0	S
20250728	00:30	0.4	S
20250728	00:45	0.0	S
20250728	01:00	0.4	S
20250728	01:15	0.4	S
20250728	01:30	0.0	S
20250728	01:45	0.4	S
20250728	02:00	0.0	S
20250728	02:15	0.0	S
20250728	02:30	0.0	S
20250728	02:45	0.4	S
20250728	03:00	0.4	S
20250728	03:15	0.4	S
20250728	03:30	0.0	S
20250728	03:45	0.4	S
20250728	04:00	0.0	S
20250728	04:15	0.4	S
20250728	04:30	0.4	S
20250728	04:45	0.0	S
20250728	05:00	0.0	S
20250728	05:15	0.0	S
20250728	05:30	0.4	SSW
20250728	05:45	0.4	SSW
20250728	06:00	0.4	S
20250728	06:15	0.0	S
20250728	06:30	0.0	S
20250728	06:45	0.4	S
20250728	07:00	0.4	S
20250728	07:15	0.9	SSE
20250728	07:30	0.4	SSE
20250728	07:45	0.9	SE
20250728	08:00	0.9	WSW
20250728	08:15	0.9	SSE
20250728	08:30	0.9	SE
20250728	08:45	0.9	WSW
20250728	09:00	1.3	WSW
20250728	09:15	1.3	WSW
20250728	09:30	0.4	WSW
20250728	09:45	0.9	WNW
20250728	10:00	0.9	WSW
20250728	10:15	1.3	WSW
20250728	10:30	0.9	WSW
20250728	10:45	1.3	WSW
20250728	11:00	1.3	WSW
20250728	11:15	0.9	WSW
20250728	11:30	1.3	WSW
20250728	11:45	0.9	WSW

Date (YYYYMMDD)	Time (HH:MM)	Wind Speed (m/s)	Wind Direction
20250728	12:00	0.9	WSW
20250728	12:15	1.3	WSW
20250728	12:30	0.9	WSW
20250728	12:45	0.9	NNW
20250728	13:00	0.9	WSW
20250728	13:15	1.3	WSW
20250728	13:30	0.9	WSW
20250728	13:45	0.9	WSW
20250728	14:00	1.8	WSW
20250728	14:15	1.3	WSW
20250728	14:30	1.3	WSW
20250728	14:45	0.9	NNW
20250728	15:00	0.9	WSW
20250728	15:15	0.9	WSW
20250728	15:30	1.3	WSW
20250728	15:45	1.3	NNW
20250728	16:00	2.7	NNW
20250728	16:15	1.8	NNW
20250728	16:30	1.3	NNW
20250728	16:45	0.9	N
20250728	17:00	0.9	N
20250728	17:15	0.4	N
20250728	17:30	0.0	N
20250728	17:45	0.0	N
20250728	18:00	0.4	ESE
20250728	18:15	0	ESE
20250728	18:30	0	ESE
20250728	18:45	0.4	ESE
20250728	19:00	0.9	SE
20250728	19:15	0	SE
20250728	19:30	0	---
20250728	19:45	0	---
20250728	20:00	0	SE
20250728	20:15	2.2	N
20250728	20:30	3.1	NNW
20250728	20:45	1.3	N
20250728	21:00	0.9	E
20250728	21:15	0.4	SE
20250728	21:30	0	SE
20250728	21:45	0	NE
20250728	22:00	0	NE
20250728	22:15	0	NE
20250728	22:30	0	NE
20250728	22:45	0	NE
20250728	23:00	0	NE
20250728	23:15	0.4	NE
20250728	23:30	0	NE
20250728	23:45	0	---

Date (YYYYMMDD)	Time (HH:MM)	Wind Speed (m/s)	Wind Direction
20250729	00:00	0.0	---
20250729	00:15	0.0	---
20250729	00:30	0.4	SE
20250729	00:45	0.4	SE
20250729	01:00	0.0	---
20250729	01:15	0.4	SE
20250729	01:30	0.0	SE
20250729	01:45	0.0	SE
20250729	02:00	0.0	SE
20250729	02:15	0.0	SE
20250729	02:30	0.0	SE
20250729	02:45	0.0	---
20250729	03:00	0.0	---
20250729	03:15	0.0	---
20250729	03:30	0.0	ESE
20250729	03:45	0.4	S
20250729	04:00	0.0	NNW
20250729	04:15	0.0	NNW
20250729	04:30	0.0	---
20250729	04:45	0.4	E
20250729	05:00	0.4	S
20250729	05:15	0.0	S
20250729	05:30	0.0	S
20250729	05:45	0.0	---
20250729	06:00	0.0	---
20250729	06:15	0.0	---
20250729	06:30	0.4	S
20250729	06:45	0.0	---
20250729	07:00	0.0	S
20250729	07:15	0.0	S
20250729	07:30	0.0	S
20250729	07:45	0.4	S
20250729	08:00	0.9	N
20250729	08:15	0.4	NNW
20250729	08:30	0.9	N
20250729	08:45	0.4	NNW
20250729	09:00	0.4	NW
20250729	09:15	0.4	N
20250729	09:30	0.4	N
20250729	09:45	0.4	NW
20250729	10:00	0.0	NW
20250729	10:15	0.0	NW
20250729	10:30	0.0	NE
20250729	10:45	0.4	E
20250729	11:00	0.9	SE
20250729	11:15	1.8	SE
20250729	11:30	1.8	SE
20250729	11:45	1.8	SSE

Date (YYYYMMDD)	Time (HH:MM)	Wind Speed (m/s)	Wind Direction
20250729	12:00	0.9	ESE
20250729	12:15	0.9	SE
20250729	12:30	2.7	SE
20250729	12:45	1.8	SE
20250729	13:00	0.9	N
20250729	13:15	0.4	SE
20250729	13:30	1.3	SSE
20250729	13:45	1.3	SE
20250729	14:00	1.3	SE
20250729	14:15	0.4	SE
20250729	14:30	0.4	SE
20250729	14:45	0.9	WSW
20250729	15:00	1.3	WSW
20250729	15:15	0.4	N
20250729	15:30	0.9	WSW
20250729	15:45	0.9	WSW
20250729	16:00	0.4	N
20250729	16:15	0.0	NNE
20250729	16:30	0.9	WSW
20250729	16:45	1.3	N
20250729	17:00	0.9	SE
20250729	17:15	0.4	SSE
20250729	17:30	1.3	SE
20250729	17:45	0.9	SE
20250729	18:00	0.4	SE
20250729	18:15	0.4	SE
20250729	18:30	0.4	SE
20250729	18:45	0.4	SSE
20250729	19:00	0.9	SSE
20250729	19:15	0	SSE
20250729	19:30	0	SSE
20250729	19:45	0.4	SSE
20250729	20:00	0.4	SSE
20250729	20:15	0	SSE
20250729	20:30	0.4	SSE
20250729	20:45	0	---
20250729	21:00	0	---
20250729	21:15	0	---
20250729	21:30	0.4	SSE
20250729	21:45	0.4	SSE
20250729	22:00	0.4	SSE
20250729	22:15	0	SSE
20250729	22:30	0.4	SSE
20250729	22:45	0	SSE
20250729	23:00	0	---
20250729	23:15	0	---
20250729	23:30	0	NNE
20250729	23:45	0	ENE

Date (YYYYMMDD)	Time (HH:MM)	Wind Speed (m/s)	Wind Direction
20250730	00:00	0.0	ENE
20250730	00:15	0.0	ENE
20250730	00:30	0.0	ENE
20250730	00:45	0.0	ENE
20250730	01:00	0.0	ENE
20250730	01:15	0.0	---
20250730	01:30	0.9	SE
20250730	01:45	0.9	SE
20250730	02:00	0.0	SE
20250730	02:15	0.0	SE
20250730	02:30	0.0	SE
20250730	02:45	0.4	SE
20250730	03:00	0.9	SE
20250730	03:15	0.0	SE
20250730	03:30	0.0	---
20250730	03:45	0.0	---
20250730	04:00	0.0	---
20250730	04:15	0.0	---
20250730	04:30	0.0	---
20250730	04:45	0.0	---
20250730	05:00	0.0	---
20250730	05:15	0.0	---
20250730	05:30	0.0	---
20250730	05:45	0.0	---
20250730	06:00	0.0	---
20250730	06:15	0.0	---
20250730	06:30	0.0	---
20250730	06:45	0.0	---
20250730	07:00	0.0	---
20250730	07:15	0.0	NNW
20250730	07:30	0.4	NNW
20250730	07:45	0.4	WSW
20250730	08:00	0.9	WSW
20250730	08:15	0.0	WSW
20250730	08:30	0.0	NNW
20250730	08:45	0.4	WSW
20250730	09:00	0.4	WSW
20250730	09:15	0.4	WSW
20250730	09:30	0.0	WSW
20250730	09:45	0.9	WSW
20250730	10:00	0.4	WSW
20250730	10:15	0.4	WSW
20250730	10:30	0.9	WSW
20250730	10:45	0.4	WSW
20250730	11:00	0.0	NW
20250730	11:15	0.9	WSW
20250730	11:30	0.9	WSW
20250730	11:45	0.9	NW

Date (YYYYMMDD)	Time (HH:MM)	Wind Speed (m/s)	Wind Direction
20250730	12:00	1.3	WSW
20250730	12:15	1.8	WSW
20250730	12:30	0.9	WSW
20250730	12:45	1.3	WSW
20250730	13:00	0.9	WSW
20250730	13:15	1.3	WSW
20250730	13:30	0.9	WNW
20250730	13:45	0.9	WSW
20250730	14:00	1.3	WSW
20250730	14:15	1.8	WSW
20250730	14:30	1.3	WSW
20250730	14:45	1.8	NNW
20250730	15:00	1.3	WSW
20250730	15:15	0.9	WSW
20250730	15:30	1.3	WSW
20250730	15:45	1.8	WSW
20250730	16:00	1.3	WSW
20250730	16:15	1.3	WSW
20250730	16:30	0.9	WSW
20250730	16:45	0.9	WSW
20250730	17:00	0.4	WSW
20250730	17:15	0.4	W
20250730	17:30	1.3	SE
20250730	17:45	0.9	SE
20250730	18:00	0.9	SSE
20250730	18:15	0.9	WSW
20250730	18:30	0.9	WSW
20250730	18:45	0.9	WSW
20250730	19:00	0.9	WSW
20250730	19:15	0.4	WSW
20250730	19:30	0.4	WSW
20250730	19:45	0.4	SE
20250730	20:00	0	SSW
20250730	20:15	0.4	SSE
20250730	20:30	0	SSE
20250730	20:45	0	SSE
20250730	21:00	0.4	SSE
20250730	21:15	0	---
20250730	21:30	0	SSE
20250730	21:45	0.4	SSW
20250730	22:00	0.4	SSW
20250730	22:15	0	ESE
20250730	22:30	0	ESE
20250730	22:45	0	ESE
20250730	23:00	0	ESE
20250730	23:15	0	SE
20250730	23:30	0	SE
20250730	23:45	0	SE

Date (YYYYMMDD)	Time (HH:MM)	Wind Speed (m/s)	Wind Direction
20250731	00:00	0.0	---
20250731	00:15	0.0	SE
20250731	00:30	0.4	SE
20250731	00:45	0.4	SSE
20250731	01:00	0.4	SSE
20250731	01:15	0.4	SSE
20250731	01:30	0.9	SE
20250731	01:45	0.9	SE
20250731	02:00	0.4	SE
20250731	02:15	0.4	SE
20250731	02:30	0.4	SE
20250731	02:45	1.3	SE
20250731	03:00	1.3	SE
20250731	03:15	1.3	ESE
20250731	03:30	0.9	SE
20250731	03:45	1.8	SE
20250731	04:00	0.9	NNW
20250731	04:15	1.8	N
20250731	04:30	1.3	N
20250731	04:45	1.3	N
20250731	05:00	1.3	SE
20250731	05:15	0.9	SE
20250731	05:30	0.9	SSE
20250731	05:45	0.4	SSE
20250731	06:00	0.0	NE
20250731	06:15	0.0	N
20250731	06:30	0.4	N
20250731	06:45	0.0	N
20250731	07:00	0.0	N
20250731	07:15	0.0	N
20250731	07:30	0.0	SE
20250731	07:45	0.9	NNW
20250731	08:00	0.9	N
20250731	08:15	0.9	NNW
20250731	08:30	0.0	NNW
20250731	08:45	0.0	NNW
20250731	09:00	0.4	NNW
20250731	09:15	0.4	NNW
20250731	09:30	0.0	NNW
20250731	09:45	1.3	NNW
20250731	10:00	0.9	NNW
20250731	10:15	0.4	NNW
20250731	10:30	0.9	NNW
20250731	10:45	0.9	NW
20250731	11:00	0.4	NW
20250731	11:15	0.4	NW
20250731	11:30	0.4	NW
20250731	11:45	0.4	N

Date (YYYYMMDD)	Time (HH:MM)	Wind Speed (m/s)	Wind Direction
20250731	12:00	0.4	SE
20250731	12:15	0.9	SE
20250731	12:30	0.4	NNE
20250731	12:45	0.9	SE
20250731	13:00	0.9	SE
20250731	13:15	0.4	NNW
20250731	13:30	0.9	NNE
20250731	13:45	0.9	NW
20250731	14:00	1.3	WSW
20250731	14:15	0.9	W
20250731	14:30	0.4	NW
20250731	14:45	0.9	WSW
20250731	15:00	0.9	WSW
20250731	15:15	1.3	WSW
20250731	15:30	0.9	SE
20250731	15:45	0.9	WSW
20250731	16:00	0.9	WSW
20250731	16:15	0.4	WSW
20250731	16:30	0.4	WSW
20250731	16:45	0.0	WSW
20250731	17:00	0.0	WSW
20250731	17:15	0.0	WSW
20250731	17:30	0.0	WSW
20250731	17:45	0.0	---
20250731	18:00	0	WSW
20250731	18:15	0.4	SW
20250731	18:30	0.9	SE
20250731	18:45	0.4	SE
20250731	19:00	0	SE
20250731	19:15	0	SSW
20250731	19:30	0	S
20250731	19:45	0.4	SE
20250731	20:00	0.4	SSE
20250731	20:15	0.4	SE
20250731	20:30	0	---
20250731	20:45	0.4	SE
20250731	21:00	0.4	SE
20250731	21:15	0.4	SE
20250731	21:30	0.4	SE
20250731	21:45	0	SE
20250731	22:00	0	---
20250731	22:15	0	---
20250731	22:30	0	---
20250731	22:45	0	---
20250731	23:00	0	---
20250731	23:15	0	---
20250731	23:30	0	---
20250731	23:45	0	---

Appendix J Waste Flow Table

Waste Flow Table (Updated to 28 Jul 2025)

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
Jul-25	171,085.15	0	63631.4	105,641	0	948.55	0	0	0	0	0	263.36	600.77
Total	1,349,990.13	0.00	469,319.06	874,235.82	0.00	4,119.93	0.00	0.00	0.00	0.00	0.00	1,245.53	1,069.79

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.
3. Due to the construction waste transaction records (transaction period from 29 to 31 Jul 2025) not yet being released on the EPD website, the quantities of waste in Jul 2025 are only presented from 1 to 31 Jul 2025.

Appendix K Joint Environmental Site Inspection Records

Follow up action for previous Site Inspection:

Nil

Observation(s):

1. Accumulation of waste was found at Portion D.
2. Standing water was found at Portion D and the drip tray under the generator at temporary site office of Portion E3.
3. Access road at the temporary site office of Portion E3 was dry and dust dispersion was 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.

    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.

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

1. The Contractor was advised to increase the frequency of waste disposal at Portion D.
2. The Contractor was recommended to fix the damaged water hose, direct the standing water to silt removal facility for treatment and clean the standing water at drip tray under the generator at the temporary site office of Portion E3.
3. The Contractor was advised to increase the frequency of watering at access road of temporary site office of Portion E3 to avoid dust dispersion.

	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:	7 July 2025	/	7 July 2025	7 July 2025

Follow up action for previous Site Inspection:

1. 30 June 2025 Observation 2 – The water barriers were setup by the Contractor.
2. 8 July 2025 Observation 2 – The standing water was removed by the Contractor.
3. 8 July 2025 Observation 3 – The unpaved access road has been protected by crushed stone or gravel.

Observation(s):

1. The standing water was found at drip tray under the generator of temporary site office.

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

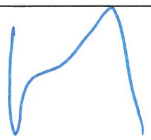
    a. Silt removal facilities, channels and manholes should be checked to ensure that they can function properly.
    b. Open stockpiles of construction materials (e.g. aggregates, sand and fill materials) on site should be covered with tarpaulin or similar fabric.
    c. All temporary covers to slopes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

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

1. The Contractor was recommended to remove the standing water at drip tray regularly, especially after rain event.

	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:	14 July 2025	/	14 July 2025	14 July 2025

Follow up action for previous Site Inspection:

Observation(s):

1. Standing water was found at the U-channel of Portion A.
2. Accumulated waste and standing water were found at the boundary of Portion A's process building.
3. Without covering open cement bags were found at 1/F of Portion A's process building.
4. Without covering the exposed slope was found at Portion E3.

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

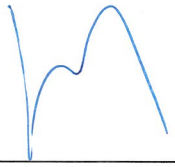
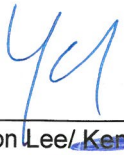
    a. Silt removal facilities, channels and manholes should be checked to ensure that they can function properly.
    b. Open stockpiles of construction materials (e.g. aggregates, sand and fill materials) on site should be covered with tarpaulin or similar fabric.
    c. All temporary covers to slopes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

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

1. The Contractor was recommended to direct the standing water into silt removal facility for treatment.
2. The Contractor was advised that general waste and C&D waste should be placed into enclosed bins and waste skips and to direct the standing water into silt removal facility for treatment.
3. The Contractor was recommended that open cement bags should be covered with impervious sheet when not in use.
4. The Contractor was advised that the exposed slope at Portion E3 should be covered with impervious sheet.

	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:	21 July 2025	21 July 2025	21 July 2025	21 July 2025

Follow up action for previous Site Inspection:

Observation(s):

1. Accumulated waste was found at Portion A.
2. Access road was dry and dust dispersion was found at Portion A & E4.
3. Without cover was found at the enclosed rubbish bin of Temporary site office.

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

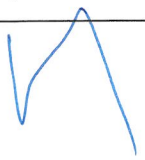
    a. Silt removal facilities, channels and manholes should be checked to ensure that they can function properly.
    b. Open stockpiles of construction materials (e.g. aggregates, sand and fill materials) on site should be covered with tarpaulin or similar fabric.
    c. All temporary covers to slopes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

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

1. The Contractor was recommended to increase the waste separation facilities with proper label for paper, aluminium cans & plastic bottles and with proper label waste skips for C&D wastes. In addition, the accumulated waste should be cleaned up regularly.
2. The Contractor was advised to increase the frequency of watering to minimise the dust dispersion at access road.
3. The Contractor was advised to increase the cover for the enclosed rubbish bin.

	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:	28 July 2025	/	28 July 2025	28 July 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.

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	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:

✓	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
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:

✓	Compliance of mitigation measure
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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
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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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
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.					✓

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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

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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.					✓

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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

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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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