

North East New Territories (NENT) Landfill Extension

Monthly Environmental
Monitoring and Audit Report
(No. 28) – March 2025

2025-04-11

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Ref: P521530-0000-REP-NN-0104

By Email

14 April 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.28) – March 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.28) – March 2025 R1" dated 11 April 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

A handwritten signature in blue ink, appearing to read "Fredrick Leong".

Fredrick Leong
Environmental Team Leader

Encl.

1. Monthly Environmental Monitoring and Audit Report (No.28) – March 2025 R1

cc.

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

Our Ref.: CL/91823/2415-VES
Date: 14 April 2025

By Email

Veolia Hong Kong Holding Limited
40/F, One Taikoo Place
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Attn.: Mr. Colin Mitchell

**Meinhardt Infrastructure and
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Dear Sir

Re: Contract No. EP/SP/77/15
North-East New Territories Landfill Extension (NENTX)
Monthly Environmental Monitoring and Audit Report (No.28) –
March 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.28) – March 2025" dated 11 April 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

Document Control Record

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Title	Associate Director, Environmental	Title	Environmental Team Leader

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Executive Summary

- ES1. Aurecon Hong Kong Limited (Aurecon) was appointed to undertake the role of Environmental Team (ET) and carry out Environmental Monitoring and Audit for the North East New Territories (NENT) Landfill Extension.
- ES2. The construction phase and EM&A programme of the Project commenced on 1 December 2022.
- ES3. This 28th Monthly EM&A Report presents the EM&A works conducted from 1 to 31 March 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	6 times	3, 8, 13, 19, 25 & 31 March 2025
- Construction Noise Monitoring during normal weekdays at each monitoring station	5 times	3, 13, 19, 25 & 31 March 2025
- Surface Water Quality Monitoring during normal weekdays at each monitoring station	1 time	13 March 2025
- Landfill Gas Monitoring during normal weekdays for Construction Works	26 times	1, 3 to 8, 10 to 15, 17 to 22, 24 to 29 & 31 March 2025
- Joint Environmental Site Inspection	5 times	3, 10, 17, 24 & 31 March 2025
- General Site Inspection by EPD-RNG	1 time	27 March 2025

Environmental Exceedance

Air Quality, Noise, Surface Water Quality Monitoring & 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. One environmental complaint regarding the water quality was recorded on 28 November 2024. The relevant investigation had been completed during the reporting period. The investigation results are summarised below:

Environmental Complaint on 28 November 2024

- ES9. It was recorded that Environmental Team received an email from EPD-RNG on 28 November 2024 regarding the incident of muddy water observed in Ping Yuen River, at the downstream of NENTX, on 13 November 2024. The routine river monitoring trip to North District on 13 November 2024 revealed high turbidity levels at EPD Monitoring Location GR3 of River Ganges (i.e. 304.6 NTU) which are higher than the 95%tile of ten-year baseline for turbidity at 105 NTU respectively.
- ES10. 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 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.
- ES11. 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.
- ES12. Although the silt removal facilities of the project were functionable normally under the investigation. The Contractor should enhance checking and maintained the mitigation measures regularly to avoid minimising the effectiveness of related mitigation measures. And the maintenance of slope surface protection should be conducted regularly.

ES13. To avoid the potential impact of construction runoff from the project, some mitigation measures are recommended & reminded to implemented & review by the contractor. The detail mitigation measures are listed below:

- The Contractor has been reminded that the precautions should 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 area in accordance with Appendix A2 of ProPECC PN2/23, which states that the retention time for silts and sediments traps should be 5 minutes under maximum flow conditions.
- The Contractor has been reminded to review the capacity of silt removal facilities and sedimentation basins enough to handle the construction runoff under heavy rain to avoid the construction runoff discharge into the existing channel.
- The Contractor has been reminded follow the requirements of EP and FEP conditions strictly, in particular condition 1.7 of EP & FEP, EP condition 2.15 (a) and (b) and FEP condition 2.13(a) and (b), to avoid any non-compliance of EP and FEP.

ES14. Also, the contractor has been reminded to maintain and supervise continuously related mitigation measures at the south boundary to ensure the effectiveness of the related measures, especially if the rainstorm is imminent or forecast, during or after rainstorms & to implement the mitigation measures such as the provision of the temporary surface water drainage system to manage runoff, hydroseeding to minimise slope surface runoff and other measures specified and required in the EIA Report, the EM&A Manual and the EP/FEP.

Reporting Change

ES15. There was no reporting change in the reporting period.

Future Key Issues

ES16. 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

ES17. 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	<p>The Project mainly consists of the followings: -</p> <p>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: -</p> <ul style="list-style-type: none"> 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 28th 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 March 2025.

1.4 Structure of the Report

- 1.4.1 The structure of the report is as follows:

Section 1 – Introduction

- details the background, purpose and structure of the report.

Section 2 – Project Information

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

Section 3 – Air Quality Monitoring

- Construction Dust

Section 4 – Noise Monitoring

Section 5 – Water Quality Monitoring

- Groundwater Monitoring
- Surface Water Monitoring

Section 6 – Waste Management

Section 7 – Landfill Gas Monitoring

Section 8 – Landscape and Visual

Section 9 – Cultural Heritage

Section 10 – Ecological Monitoring

Section 11 – Site Inspection and Audit

Section 12 – Environmental Non-Conformance

Section 13 – Implementation Status on Environmental Mitigation Measures

Section 14 – Future Key Issues

Section 15 – Conclusion

2 Project Information

2.1 Construction Activities

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

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

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

2.2 Project Organization & Management Structure

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

Table 2-2 Contact Information of Key Personnel

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

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

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

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

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

2.4 Status of Environmental Approval Document

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

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

Permit / Licenses / Notification	Reference	Expiry Date	Remark
Environmental Permit (EP)	EP-292/2007	Throughout the Contract	Permit granted on 26 November 2007
Further Environmental Permit (FEP)	FEP-01/292/2007	Throughout the Contract	Permit granted on 28 April 2022
	FEP-02/292/2007	Throughout the Contract	Permit granted on 23 August 2023
Notification of Construction Works as required under Air Pollution Control (Construction Dust) Regulation	479809	Throughout the Construction Phase	Notified on 13 May 2022
Registration of Waste Producer under Waste Disposal Ordinance	7043692	Throughout the Contract	Registered on 13 April 2022
Construction Noise Permit	GW-RN0253-25	18 May 2025	Permit granted on 14 March 2025
Registration as Chemical Waste Producer	5213-642-P1034-18	Throughout the Contract	Registered on 11 July 2022
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	6 times	3, 8, 13, 19, 25 & 31 March 2025
- Construction Noise Monitoring during normal weekdays at each monitoring station	5 times	3, 13, 19, 25 & 31 March 2025
- Surface Water Quality Monitoring during normal weekdays at each monitoring station	1 time	13 March 2025
- Landfill Gas Monitoring during normal weekdays for Construction Works	26 times	1, 3 to 8, 10 to 15, 17 to 22, 24 to 29 & 31 March 2025
- Joint Environmental Site Inspection	5 times	3, 10, 17, 24 & 31 March 2025
- General Site Inspection by EPD-RNG	1 time	27 March 2025

Air Quality

2.5.2 6 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 Site clearance of future landfilling area is in progress. The installation of groundwater monitoring boreholes will be installed after the site formation work of the landfilling area. The target commencement period of groundwater monitoring will be in 2026. No groundwater monitoring is required before the completion of site formation work of the landfilling area.

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 Levels 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, LRAs and VSRs have been monitored during the reporting period. No exceedance of Action and Limit Levels of landscape and visual was recorded during the reporting period.

Cultural Heritage

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

Ecology

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

Environmental Site Inspection

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

3 Air Quality Monitoring

3.1 Construction Dust

3.1.1 Monitoring Requirement

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

3.1.2 Monitoring Parameters, Frequency and Location

- 3.1.2.1 According to the Updated EM&A Manual, three monitoring stations namely AM(D)1, AM(D)2 and AM(D)3 are selected for the impact monitoring.
- 3.1.2.2 A baseline monitoring plan has been submitted to IEC and EPD on 31 May 2022 including the proposal with justification of change of monitoring locations. Due to limited access to the original monitoring locations at AM(D)1, AM(D)2 and AM(D)3, the adjusted stations at AM1, AM2 and AM3 were agreed with IEC prior to the baseline and impact monitoring. The locations of adjusted dust monitoring locations are shown in **Figure 2**.
- 3.1.2.3 The detailed monitoring schedule is shown in **Appendix D**. The locations of dust monitoring stations are shown in **Table 3-1**. The monitoring parameters, frequency and duration are shown in **Table 3-2**.

Table 3-1 Locations of Dust Monitoring Stations

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

Remarks:

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

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

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

Due to the adjustment of the location of AM(D)1, AM(D)2 & AM(D)3 to 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)	9 Apr 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, $\mu\text{g}/\text{m}^3$ (Range)		
	Dust Monitoring Station		
	AM1	AM2	AM3
Mar 2025	24 (14 – 36)	44 (34 – 51)	56 (50 – 60)
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, $\mu\text{g}/\text{m}^3$ (Range)		
	Dust Monitoring Station		
	AM1	AM2	AM3
Mar 2025	84 (73 – 97)	92 (79 – 106)	104 (88 – 118)
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	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Rectify any unacceptable practice Amend working methods if appropriate
Exceedance for two or more consecutive samples	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> 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 L_{eq} (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-17638-E0)	26 March 2025
	NTi XL2 (S/N: A2A-13661-E0)	12 August 2025
Acoustic Calibrator	Rion NC-75 (S/N: 34724245)	23 Jul 2025
Anemometer	UNI-T UT363 (S/N: C222415367)	4 May 2025

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
Mar 2025	59.1 (58.5 – 59.7)	52.2 (45.7 – 55.8)
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
	Exceedance Date	-	-	-	-
LA _{eq} (30mins)	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	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Submit noise mitigation proposals to IEC Implement the agreed noise mitigation proposals
Exceedance of Limit Level	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> 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 In accordance with the Updated EM&A manual, groundwater quality monitoring shall be carried out at least once per month at the 35 designated groundwater monitoring locations (i.e. ED1 to ED35). Based on the existing construction programme, site clearance and site formation works for future landfilling area are in progress. The groundwater monitoring locations ED1 to ED35 will be installed after the site formation work of the landfilling area. No groundwater monitoring is required before the completion of site formation work of the landfilling area.

5.2 Surface Water Monitoring

5.2.1 Monitoring Requirement

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

5.2.2 Monitoring Locations, Parameters and Frequency

- 5.2.2.1 Impact surface water monitoring was carried out at WM1 and WM2 during the reporting period. The monitoring locations are indicated in **Table 5-1** and **Figure 2**.
- 5.2.2.2 The monitoring parameters, frequency and duration of surface water quality monitoring are summarized in **Table 5-2**. Detailed monitoring schedule is presented in **Appendix D**.

Table 5-1 Surface Water Quality Monitoring Locations

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

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

Parameter	Frequency
pH, Electrical conductivity, DO, Turbidity, SS, Alkalinity, COD, BOD ₅ , TOC, Ammonia-nitrogen, TKN, Nitrate, Sulphate, Sulphite, Phosphate, Chloride, Sodium, Mg, Ca, K, Fe, Ni, Zn, Mn, Cu, Pb, Cd, Coliform Count, Oil and Grease	Once per month

5.2.3 Monitoring Equipment

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

Table 5-3 Surface Water Quality Monitoring Equipment

Equipment	Model	Expiry Date
Water Quality Meter	YSI ProDSS (S/N: 22D100436)	8 Apr 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 NH ₃ G
TKN	0.4 mg/L	0.1 mg/L	APHA 4500Norg: D
Nitrate	0.5 mg/L	0.01 mg/L	APHA 4500 NO ₃ I
Sulphate	5 mg/L	1 mg/L	USEPA 375.4
Sulphite	2 mg/L	2 mg/L	APHA 4500 SO ₃ 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 13 March 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	6.5	>7.7	>7.8	7.0	>7.6	>7.7
DO in mg/L	7.7	<7.4	<4	7.5	<5	<4
Turbidity in NTU	4.0	>9.2	>9.5	31.8	>108.3	>108.9
Electrical Conductivity in $\mu\text{S}/\text{cm}$	59	---	---	251	---	---
SS in mg/L	2.4	>9.7	>11.4	32.0	>94.5	>94.7
Alkalinity in mg/L	13	---	---	83	---	---
COD in mg/L	13			11		
BOD ₅ in mg/L	<2			3.0		
TOC in mg/L	2			4		
Ammonia-nitrogen in mg/L	0.05			0.09		
TKN in mg/L	0.5			0.5		
Nitrate in mg/L	<0.01			0.31		
Sulphate in mg/L	6			40		
Sulphite in mg/L	<2			<2		
Phosphorus in mg/L	0.01			<0.01		
Chloride in mg/L	7			8		
Sodium in $\mu\text{g}/\text{L}$	8930			8710		
Magnesium in $\mu\text{g}/\text{L}$	490			2420		
Calcium in $\mu\text{g}/\text{L}$	3270			40000		
Potassium in $\mu\text{g}/\text{L}$	510			3750		
Iron in $\mu\text{g}/\text{L}$	670			3530		
Nickel in $\mu\text{g}/\text{L}$	1.0			<1		
Zinc in $\mu\text{g}/\text{L}$	18			26		
Manganese in $\mu\text{g}/\text{L}$	59			744		
Copper in $\mu\text{g}/\text{L}$	7.0			8		
Lead in $\mu\text{g}/\text{L}$	<1			4		
Cadmium in $\mu\text{g}/\text{L}$	<0.2			<0.2		
Coliform Count in cfu/100mL	12			1800		
Oil and Grease in mg/L	<5			<5		

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	
Level Exceedance		Action Level	Limit Level	Action Level	Limit Level
Parameters					
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 locations 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	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Verify Notification of Exceedance Check monitoring data and Contractor's working methods 	<ul style="list-style-type: none"> Rectify unacceptable practice Amend working methods if appropriate
Action level being exceeded by two or more consecutive sampling days	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Critically review the working method Rectify unacceptable practice Take immediate corrective actions to avoid further exceedance Submit proposal of mitigation measures to IEC Implement the agreed mitigation measures Resubmit proposals if problem still not under control Slow down or to stop relevant activity until exceedance is abated

6 Waste Management

- 6.1.1 Wastes generated from this Project include inert construction and demolition (C&D) materials and non-inert C&D materials. Non-inert C&D materials were made up of general refuse, steels and paper/cardboard packaging materials. Steel materials generated from the Project were also grouped into non-inert C&D materials as the materials were not disposed of with other inert C&D materials. With reference to relevant handling records and trip tickets of this Project, the quantities of different types of waste generated in the reporting month are summarised in **Appendix J**.
- 6.1.2 A total of 52,172.73 tonnes of C&D materials was reused in the project site. A total of 153,388 tonnes of C&D materials was reused at alternative disposal ground (NENT Landfill) during the reporting period. A total of 418.2 tonnes of C&D materials was imported fill during the reporting period. No Yard waste (collected to Y-Park) was generated during the reporting period. A total of 136.24 tonnes of general refuse and a total of 156.26 tonnes non-recyclable yard waste was generated during the reporting period. The general refuse generated from the Project were disposed of at the NENT Landfill.
- 6.1.3 The recommended waste management mitigation measures from EIA report are listed as followed:
- Implement a trip-ticket system to ensure that the movement of C&D materials are properly documented and verified in accordance with DEVB TC(W) No. 6/2010.
 - Concrete and masonry should be used as general fill and steel reinforcement bars can be used by scrap steel mills.
 - Proper areas should be designated for waste segregation and storage wherever site conditions permit.
 - Maximise the use of reusable steel formwork to reduce the amount of C&D material.
 - Maintain temporary stockpiles and reuse excavated fill material for backfilling and reinstatement.
 - On-site sorting and segregation facility of all type of wastes is considered as one of the best practice in waste management and hence, should be implemented in all projects generating construction waste.
 - The sorted public fill and C&D waste should be properly reused.
 - Excavated slope, stockpiled material and bund walls should be covered by tarpaulin until used in order to prevent wind-blown dust during dry weather, and to reduce muddy runoff during wet weather.

7 Landfill Gas Monitoring

7.1 Monitoring Requirement during Construction

Monitoring for Construction Works

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

- CH₄: >10% Lower Explosion Limit (LEL);
- CO₂: >0.5%; and
- O₂: <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 CO₂ at 0.5% is set for reference only, assuming no CO₂ emission from a particular location.

Depending on the baseline CO₂ 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	1 Mar 2025	0	0	0	20.1
	3 Mar 2025	0	0	0	20.0
	4 Mar 2025	0	0	0	20.1
	5 Mar 2025	0	0	0	20.1
	6 Mar 2025	0	0	0	20.0
	7 Mar 2025	0	0	0	20.1
	8 Mar 2025	0	0	0	20.1
	10 Mar 2025	0	0	0	20.0
	11 Mar 2025	0	0	0	20.1
	12 Mar 2025	0	0	0	20.1
	13 Mar 2025	0	0	0	20.0
	14 Mar 2025	0	0	0	20.1
	15 Mar 2025	0	0	0	20.1
	17 Mar 2025	0	0	0	20.0
	18 Mar 2025	0	0	0	20.1
	19 Mar 2025	0	0	0	20.0
	20 Mar 2025	0	0	0	20.1
	21 Mar 2025	0	0	0	20.1
	22 Mar 2025	0	0	0	20.1
	24 Mar 2025	0	0	0	20.1
	25 Mar 2025	0	0	0	20.0
	26 Mar 2025	0	0	0	20.1
	27 Mar 2025	0	0	0	20.1
	28 Mar 2025	0	0	0	20.1
	29 Mar 2025	0	0	0	20.1
	31 Mar 2025	0	0	0	20.1
Action Level		>10% LEL	---	>0.5%** CO ₂	<19%
Limit Level		>20% LEL	---	>1.5% CO ₂	<18%

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

** This Limit Level of CO₂ at 0.5% is set for reference only, assuming no CO₂ 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	1 Mar 2025	0	0	0	20.1
	3 Mar 2025	0	0	0	20.0
	4 Mar 2025	0	0	0	20.1
	5 Mar 2025	0	0	0	20.0
	6 Mar 2025	0	0	0	20.1
	7 Mar 2025	0	0	0	20.1
	8 Mar 2025	0	0	0	20.1
	10 Mar 2025	0	0	0	20.1
	11 Mar 2025	0	0	0	20.1
	12 Mar 2025	0	0	0	20.1
	13 Mar 2025	0	0	0	20.0
	14 Mar 2025	0	0	0	20.1
	15 Mar 2025	0	0	0	20.1
	17 Mar 2025	0	0	0	20.1
	18 Mar 2025	0	0	0	20.1
	19 Mar 2025	0	0	0	20.0
	20 Mar 2025	0	0	0	20.1
	21 Mar 2025	0	0	0	20.1
	22 Mar 2025	0	0	0	20.1
	24 Mar 2025	0	0	0	20.1
	25 Mar 2025	0	0	0	20.0
	26 Mar 2025	0	0	0	20.1
	27 Mar 2025	0	0	0	20.1
	28 Mar 2025	0	0	0	20.1
	29 Mar 2025	0	0	0	20.1
	31 Mar 2025	0	0	0	20.1
Action Level		>10% LEL	---	>0.5%** CO ₂	<19%
Limit Level		>20% LEL	---	>1.5% CO ₂	<18%

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

** This Limit Level of CO₂ at 0.5% is set for reference only, assuming no CO₂ 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		Action Level	Limit Level	Action Level	Limit Level
Parameters					
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, LR 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, LR 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	1 st	24 Nov 2022
	2 nd	9 Dec 2022
	3 rd	21 Dec 2022
	4 th	13 Jan 2023
	5 th	26 Jan 2023
	6 th	8 Feb 2023
	7 th	24 Feb 2023
	8 th	20 Mar 2023
	9 th	21 Apr 2023
	10 th	12 May 2023
	11 th	16 Jun 2023
	12 th	18 Jul 2023
	13 th	11 Aug 2023
	14 th	15 Sep 2023
	15 th	13 Oct 2023
Post-translocation Monitoring	1 st (Aug 2022)	29 Aug 2022
	2 nd (Sep 2022)	28 Sep 2022
	3 rd (Oct 2022)	28 Oct 2022
	4 th (Nov 2022)	22 Nov 2022
	5 th (Dec 2022)	29 Dec 2022
	6 th (Jan 2023)	30 Jan 2023
	7 th (Feb 2023)	24 Feb 2023
	8 th (Mar 2023)	20 Mar 2023
	9 th (Apr 2023)	19 Apr 2023
	10 th (May 2023)	17 May 2023
	11 th (Jun 2023)	7 Jun 2023
	12 th (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 03, 10, 17, 24 & 31 March 2025. A joint environmental site inspection was carried out by the representatives of the ER, the Contractor, IEC and the ET on 17 March 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:

03 March 2025

Observation(s):

1. The unpaved haul road is dry, and fugitive dust was observed at Portion A. The Contractor was advised to increase the frequency of watering on the haul road to minimize dust dispersion at Portion A.

10 March 2025

Observation(s):

1. Access road at Portion A was dry and dust dispersion was found at the access road. The Contractor was recommended to increase water frequency of the access road at Portion A to avoid the dust dispersion when the vehicle go through the access road.
2. Chemical containers without drip tray were found at Portion A. The Contractor was advised to provide the drip tray under chemical containers at the Portion A.

17 March 2025

Observation(s):

1. The dust dispersion was found at Portion E4. The Contractor was advised that the dust control measure (e.g. water spraying) should be implemented when the construction work is conducted.
2. The construction runoff at the access road of Portion E4 was found based on the damage of water hose. The Contractor was recommended that the construction runoff should be directed to silt removal facility for treatment and the regular inspection and maintenance should be conducted to minimise producing construction runoff.
3. The accumulated water at Portion D was found because of the damage of water hose. The Contractor was recommended that the construction runoff should be directed to silt removal facility for treatment and the regular inspection and maintenance should be conducted to minimise producing construction runoff.
4. The general waste was found on the floor of 1/F of site building at Portion D. The Contractor was advised to ensure the general waste should be placed into enclosed rubbish bin.

24 March 2025

Observation(s):

1. The accumulated waste was found at Portion D. The Contractor was recommended that the accumulated waste should be removed regularly.
2. The access roads and works area was dry and dust dispersion was found. The Contractor was advised that the frequency of water spraying should be increased when the weather condition is hot and dry.

31 March 2025

Reminder(s):

1. The Contractor was reminded to conduct regular desilting at U-channel at SBA haul road to maintain its proper function.
2. The Contractor was reminded that green net should be properly reinstated to reduce potential visual impact to nearby sensitive receivers.

11.1.4 One general site inspections were conducted by Environmental Protection Department-Regional Office (North) (EPD-RNG) in 27 March 2025.

12 Environmental Non-Conformance

12.1 Summary of Monitoring Exceedance

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

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

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

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

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

Remarks: * equal to non-project related

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

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

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

Remarks: * equal to non-project related

12.1.4 The Summary of 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	
Level Exceedance		Action Level	Limit Level	Action Level	Limit Level
Parameters					
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	
Level Exceedance		Action Level	Limit Level	Action Level	Limit Level
Parameters					
CH ₄	Exceedance Date	-	-	-	
	Exceedance Count	0	0	0	
CO ₂	Exceedance Date	-	-	-	
	Exceedance Count	0	0	0	
O ₂	Exceedance Date	-	-	-	
	Exceedance Count	0	0	0	

Remarks: * equal to non-project related

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. One environmental complaint regarding the water quality was recorded on 28 November 2024. The relevant investigation had been completed during the reporting period. The investigation results are summarised below:

Environmental Complaint on 28 November 2024

12.3.2 It was recorded that Environmental Team received an email from EPD-RNG on 28 November 2024 regarding the incident of muddy water observed in Ping Yuen River, at the downstream

of NENTX, on 13 November 2024. The routine river monitoring trip to North District on 13 November 2024 revealed high turbidity levels at EPD Monitoring Location GR3 of River Ganges (i.e. 304.6 NTU) which are higher than the 95%tile of ten-year baseline for turbidity at 105 NTU respectively.

- 12.3.3 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 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.
- 12.3.4 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.
- 12.3.5 Although the silt removal facilities of the project were functionable normally under the investigation. The Contractor should enhance checking and maintained the mitigation measures regularly to avoid minimising the effectiveness of related mitigation measures. And the maintenance of slope surface protection should be conducted regularly.
- 12.3.6 To avoid the potential impact of construction runoff from the project, some mitigation measures are recommended & reminded to implemented & review by the contractor. The detail mitigation measures are listed below:
- The Contractor has been reminded that the precautions should 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 area in accordance with Appendix A2 of ProPECC PN2/23, which states that the retention time for silts and sediments traps should be 5 minutes under maximum flow conditions.
 - The Contractor has been reminded to review the capacity of silt removal facilities and sedimentation basins enough to handle the construction runoff under heavy rain to avoid the construction runoff discharge into the existing channel.
 - The Contractor has been reminded follow the requirements of EP and FEP conditions strictly, in particular condition 1.7 of EP & FEP, EP condition 2.15 (a) and (b) and FEP condition 2.13(a) and (b), to avoid any non-compliance of EP and FEP.
- 12.3.7 Also, the contractor has been reminded to maintain and supervise continuously related mitigation measures at the south boundary to ensure the effectiveness of the related measures, especially if the rainstorm is imminent or forecast, during or after rainstorms & to implement the mitigation measures such as the provision of the temporary surface water drainage system to manage runoff, hydroseeding to minimise slope surface runoff and other measures specified and required in the EIA Report, the EM&A Manual and the EP/FEP.
- 12.3.8 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
March 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.

12.3.9 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 Site clearance of future landfilling area is in progress. The installation of groundwater monitoring boreholes will be installed after the site formation work of the landfilling area. The target commencement period of groundwater monitoring will be in 2026. No groundwater monitoring is required before the completion of site formation work of the landfilling area.
- 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 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. One environmental complaint regarding the water quality was recorded on 28 November 2024. The relevant investigation had been completed during the reporting period. The investigation results are summarised below:

Environmental Complaint on 28 November 2024

- 15.1.9 It was recorded that Environmental Team received an email from EPD-RNG on 28 November 2024 regarding the incident of muddy water observed in Ping Yuen River, at the downstream of NENTX, on 13 November 2024. The routine river monitoring trip to North District on 13 November 2024 revealed high turbidity levels at EPD Monitoring Location GR3 of River Ganges (i.e. 304.6 NTU) which are higher than the 95%tile of ten-year baseline for turbidity at 105 NTU respectively.

- 15.1.10 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 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.
- 15.1.11 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.
- 15.1.12 Although the silt removal facilities of the project were functionable normally under the investigation. The Contractor should enhance checking and maintained the mitigation measures regularly to avoid minimising the effectiveness of related mitigation measures. And the maintenance of slope surface protection should be conducted regularly.
- 15.1.13 To avoid the potential impact of construction runoff from the project, some mitigation measures are recommended & reminded to implemented & review by the contractor. The detail mitigation measures are listed below:
- The Contractor has been reminded that the precautions should 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 area in accordance with Appendix A2 of ProPECC PN2/23, which states that the retention time for silts and sediments traps should be 5 minutes under maximum flow conditions.
 - The Contractor has been reminded to review the capacity of silt removal facilities and sedimentation basins enough to handle the construction runoff under heavy rain to avoid the construction runoff discharge into the existing channel.
 - The Contractor has been reminded follow the requirements of EP and FEP conditions strictly, in particular condition 1.7 of EP & FEP, EP condition 2.15 (a) and (b) and FEP condition 2.13(a) and (b), to avoid any non-compliance of EP and FEP.

- 15.1.14 Also, the contractor has been reminded to maintain and supervise continuously related mitigation measures at the south boundary to ensure the effectiveness of the related measures, especially if the rainstorm is imminent or forecast, during or after rainstorms & to implement the mitigation measures such as the provision of the temporary surface water drainage system to manage runoff, hydroseeding to minimise slope surface runoff and other measures specified and required in the EIA Report, the EM&A Manual and the EP/FEP.
- 15.1.15 No non-compliance event was recorded during the reporting period.
- 15.1.16 No notification of summons and prosecution was received during the reporting period.
- 15.1.17 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

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

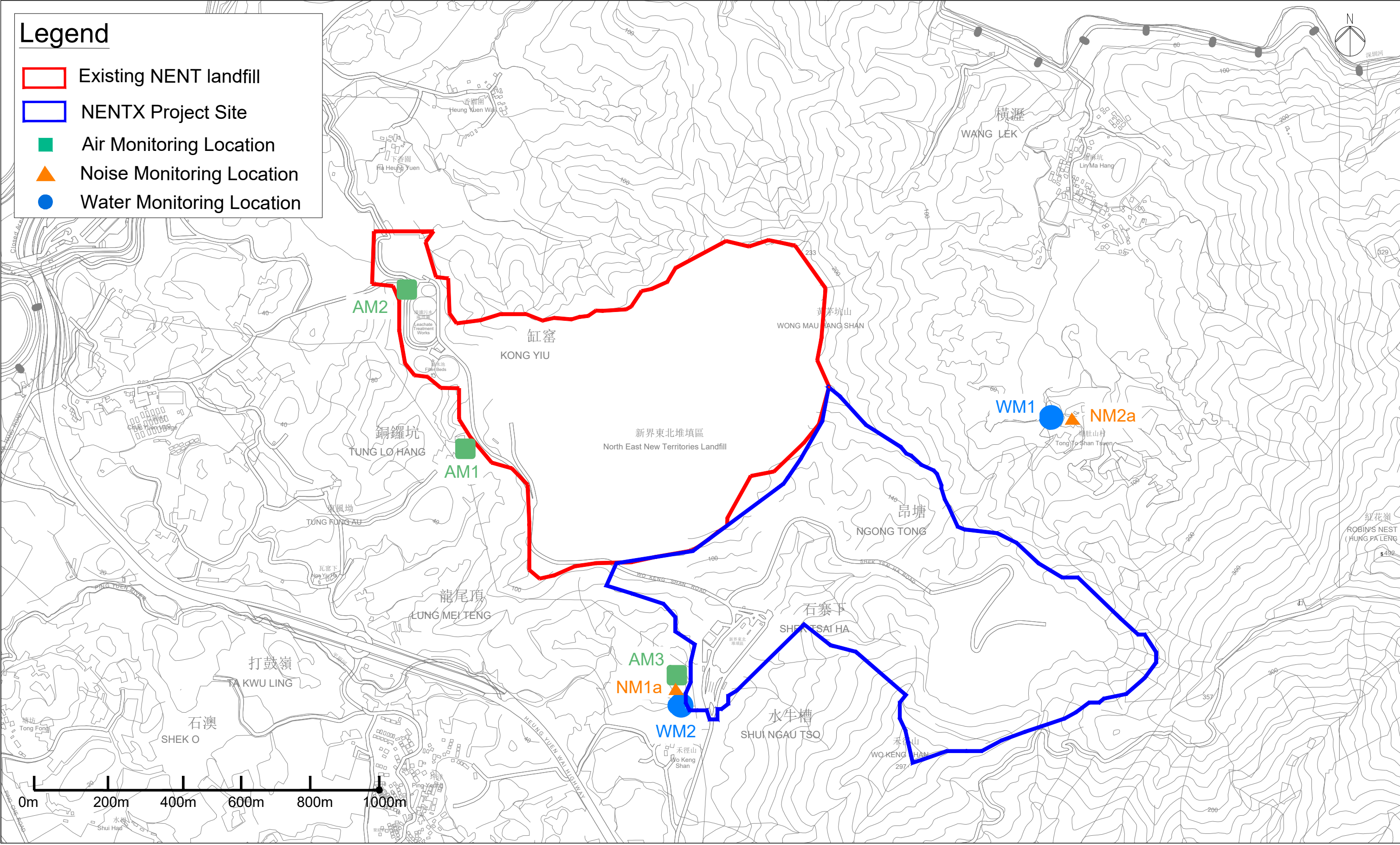


Figure 3 Landfill Gas Monitoring Locations

Gas Monitoring Point ●
Monitoring Frequency: 2 times per day

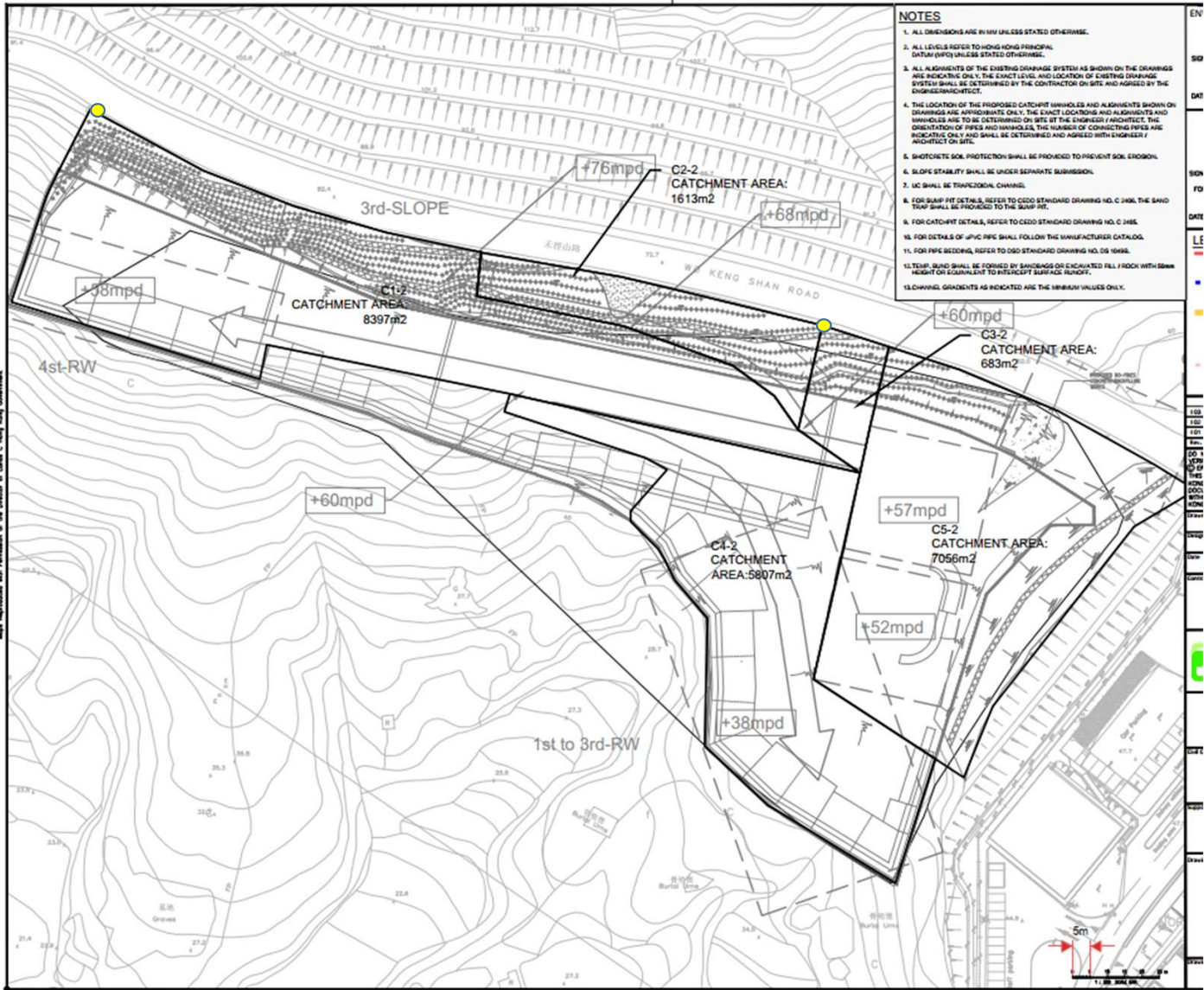
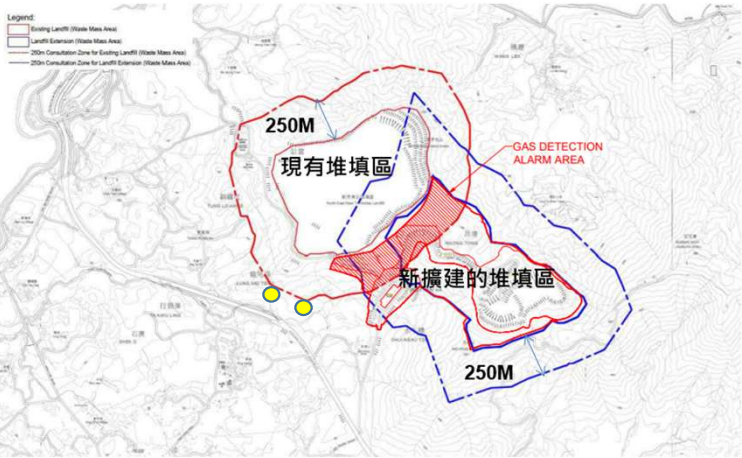


Figure 3 Landfill Gas Monitoring Locations

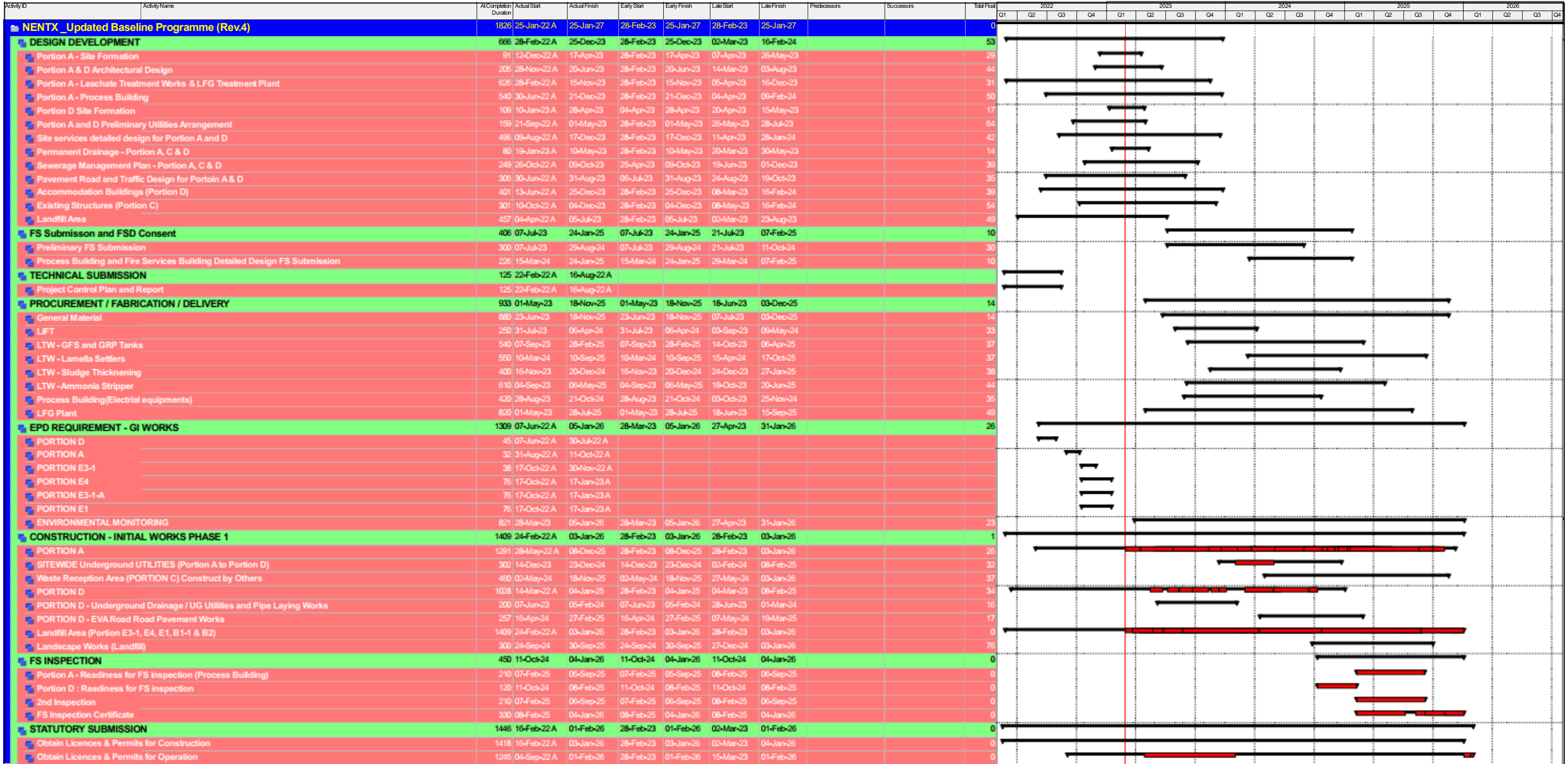
Gas Monitoring Point ●

Monitoring Frequency:
2 times per day



Figure 3 Landfill Gas
Monitoring Locations

Appendix A Construction Programme & Construction Activities

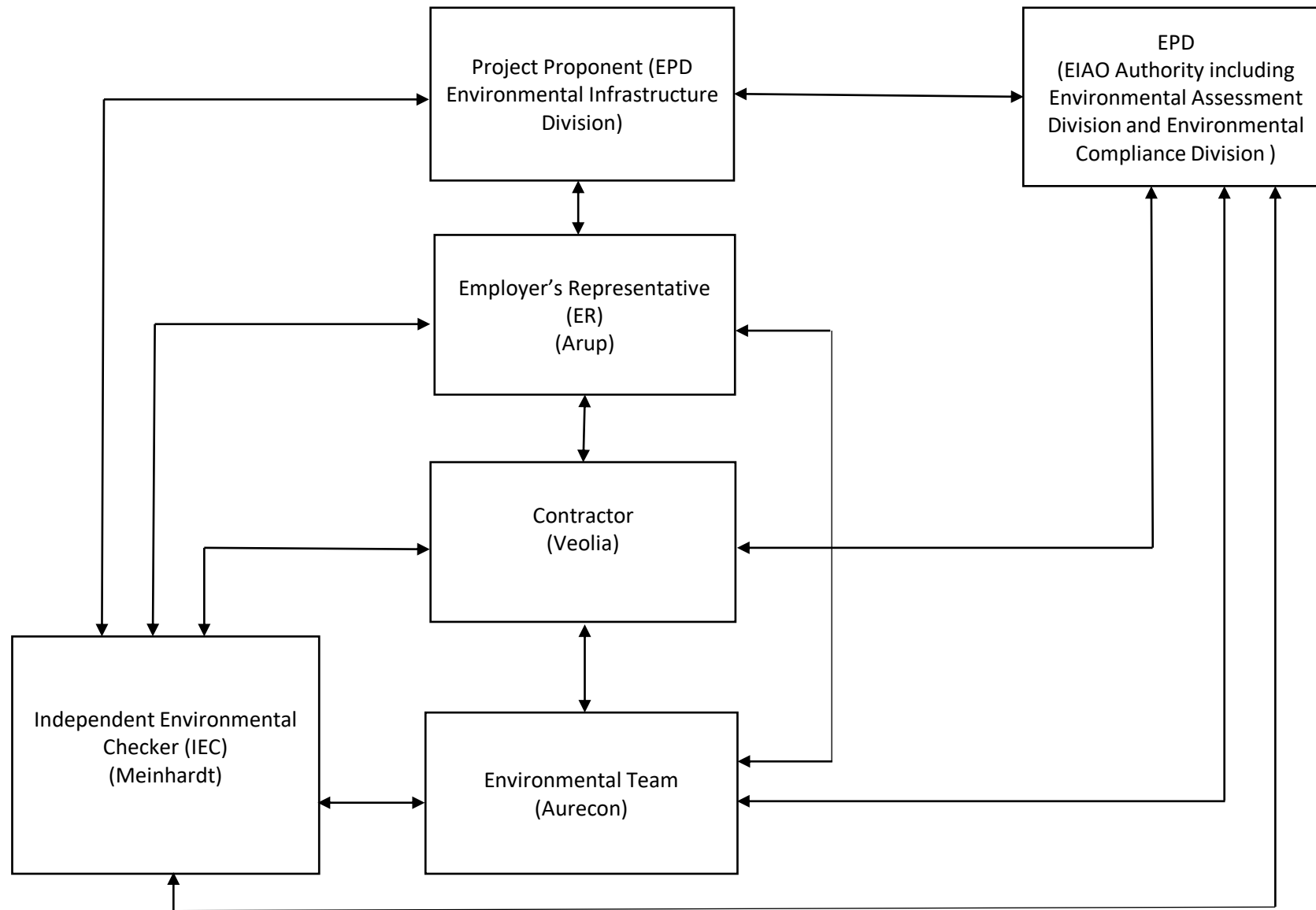


Construction Activities	Where	Who	What - ENV Impacts	Mitigation Measures
Material loading and unloading, backfilling of material, site traffic	Portion A, SBA to Alternative Disposal Ground	PCL	Dust, bringing mud to the common haul road	Speed limit, covering of materials and water spraying, lorry washing 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:

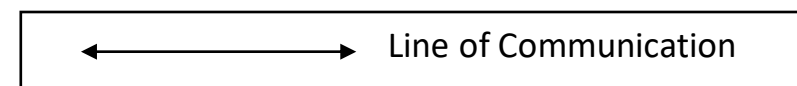
EPD - Environmental Protection Department

Arup – Ove Arup & Partners Limited

Veolia - Veolia Environmental Services Hong Kong Limited

Meinhardt - Meinhardt Infrastructure And Environment Limited

Aurecon - Aurecon Hong Kong Limited



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) 1 st 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) 1 st monitoring (24 Nov 2022) 2 nd monitoring (9 Dec 2022) 3 rd monitoring (21 Dec 2022) 4 th monitoring (13 Jan 2023) 5 th monitoring (26 Jan 2023) 6 th monitoring (8 Feb 2023) 7 th monitoring (24 Feb 2023) 8 th monitoring (20 Mar 2023) 9 th monitoring (21 Apr 2023) 10 th monitoring (12 May 2023) 11 th monitoring (16 Jun 2023) 12 th monitoring (18 Jul 2023) 13 th monitoring (11 Aug 2023) 14 th monitoring (15 Sep 2023) 15 th 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) 1 st monitoring (29 Aug 2022) 2 nd monitoring (28 Sep 2022) 3 rd monitoring (28 Oct 2022) 4 th monitoring (22 Nov 2022) 5 th monitoring (29 Dec 2022) 6 th monitoring (30 Jan 2023) 7 th monitoring (24 Feb 2023) 8 th monitoring (20 Mar 2023) 9 th monitoring (19 Apr 2023) 10 th monitoring (17 May 2023) 11 th monitoring (7 Jun 2023) 12 th monitoring (12 Jul 2023)
2.9	2.11	Submission of Detailed Landfill Gas Hazard Assessment Report	Submission Date (6 Oct 2022)
2.10	2.12	Submission of Waste Management Plan	Submission Date (30 Dec 2022)
3.2	3.2	Submission of Baseline Monitoring Report	Submission Date (30 Nov 2022)

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

Appendix D Monitoring Schedule for Reporting Month & Next Month

Impact Monitoring Schedule for NENT Landfill Extension (Mar 2025) (version 1.0)

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

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

Impact Monitoring Schedule for NENT Landfill Extension (Apr 2025) (version 1.0)

4-2025						
Sun	Mon	Tue	Wed	Thur	Fri	Sat
30	31	1	2	3	4	5 Air quality monitoring at AM1, AM2 and AM3 Noise monitoring at NM1a and NM2a
6	7	8	9	10	11 Air quality monitoring at AM1, AM2 and AM3 Noise monitoring at NM1a and NM2a Surface water quality monitoring at WM1 & WM2	12
13	14	15	16 Air quality monitoring at AM1, AM2 and AM3 Noise monitoring at NM1a and NM2a	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	1	2	3

- 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.

Appendix E Calibration Certificates

Air Quality

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

Information of Calibrated Equipment

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 Reference 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

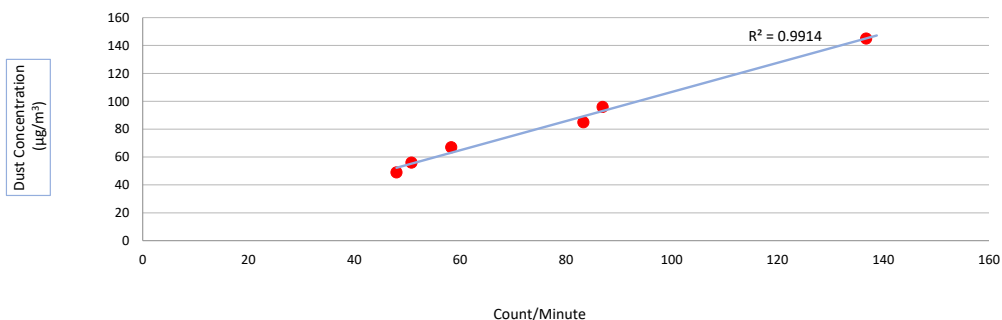
Equipment Verification Result

Verification Test No.	Date	Duration			Results from Calibrated Equipment		Results from Standard Equipment
		Start-time	End-time	Elapsed Time (in min)	Total Counts	Counts/ Minute x-axis	Dust Concentration ($\mu\text{g}/\text{m}^3$) 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:	<u>1.0451</u>	Intercept:	<u>2.1545</u>	*Correlation Coefficient, R:	<u>0.9957</u>
Verification Test Result:	<u>Strong Correlation, Results were accepted.</u>			* If the Correlation Coefficient, R is <0.5. Checking and Re-verification are required.	

Verification Curve



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 Equipment

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 Reference 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

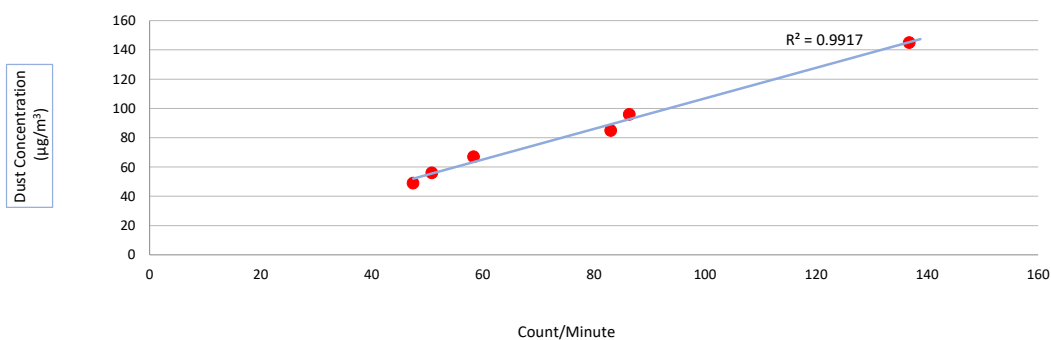
Equipment Verification Result

Verification Test No.	Date	Duration			Results from Calibrated Equipment		Results from Standard Equipment
		Start-time	End-time	Elapsed Time (in min)	Total Counts	Counts/ Minute x-axis	Dust Concentration ($\mu\text{g}/\text{m}^3$) 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:	<u>1.0437</u>	Intercept:	<u>2.4993</u>	*Correlation Coefficient,R:	<u>0.9958</u>
Verification Test Result:	<u>Strong Correlation, Results were accepted.</u>			* If the Correlation Coefficient, R is <0.5. Checking and Re-verification are required.	

Verification Curve



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 Equipment

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 Reference No.:	RPT-23-HVS-0071				
Calibration Location:	AM2, location near the Leachate Treatment Works within the NENTX Landfill				

Standard Equipment Information

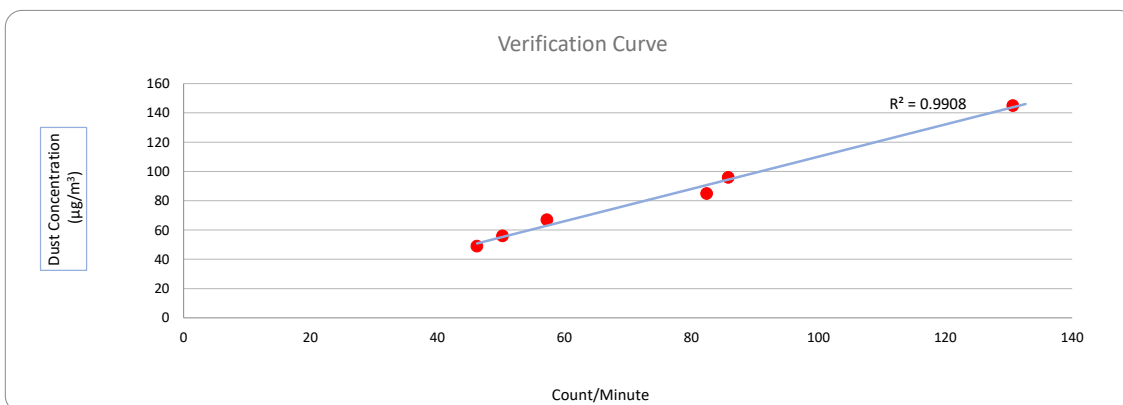
Verification Equipment Type:	Tisch TSP HVS	Tisch HVS Calibrator
Standard Equipment Model No.:	TE-5170X	TE-5025A
Equipment serial no.:	1106	3465
Last Calibration Date:	13-Sep-24	16-Jan-24
Next Calibration Date:	12-Sep-25	15-Jan-25

Equipment Verification Result

Verification Test No.	Date	Duration			Results from Calibrated Equipment		Results from Standard Equipment
		Start-time	End-time	Elapsed Time (in min)	Total Counts	Counts/ Minute x-axis	Dust Concentration ($\mu\text{g}/\text{m}^3$) 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:	<u>1.1020</u>	Intercept:	<u>-0.1223</u>	*Correlation Coefficient,R:	<u>0.9954</u>
Verification Test Result:	<u>Strong Correlation, Results were accepted.</u>				* 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

HIVOL SAMPLER CALIBRATION DATA SHEET (TSP)

Site Information

Location:	Representative For Tung Lo Hang	Site ID:	AM1	Date:	10-Feb-2025
Serial No.:	1105	Model:	TE-5170X	Operator:	Andy Li

Ambient Condition

Actual Pressure during Calibration (P_a) (mm Hg):	766.3	Actual Temperature during Calibration (T_a) (deg K):	289.4
---	-------	--	-------

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	12.40	1.745	54.0	55.02
13	10.60	1.615	52.0	52.99
10	8.40	1.440	50.0	50.95
7	5.80	1.200	46.0	46.87
5	3.00	0.869	41.0	41.78

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

m= 15.1257

b= 28.7449

Corr. Coeff= 0.9989

Calculations

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

$$IC = I \cdot (\text{Sqrt}(P_a/P_{\text{Std}}) \cdot (T_{\text{Std}}/T_a))$$

Qa = actual flow rate

IC = corrected chart response

I = actual chart response

m_c = calibrator slope

b_c = calibrator intercept

m = sampler slope

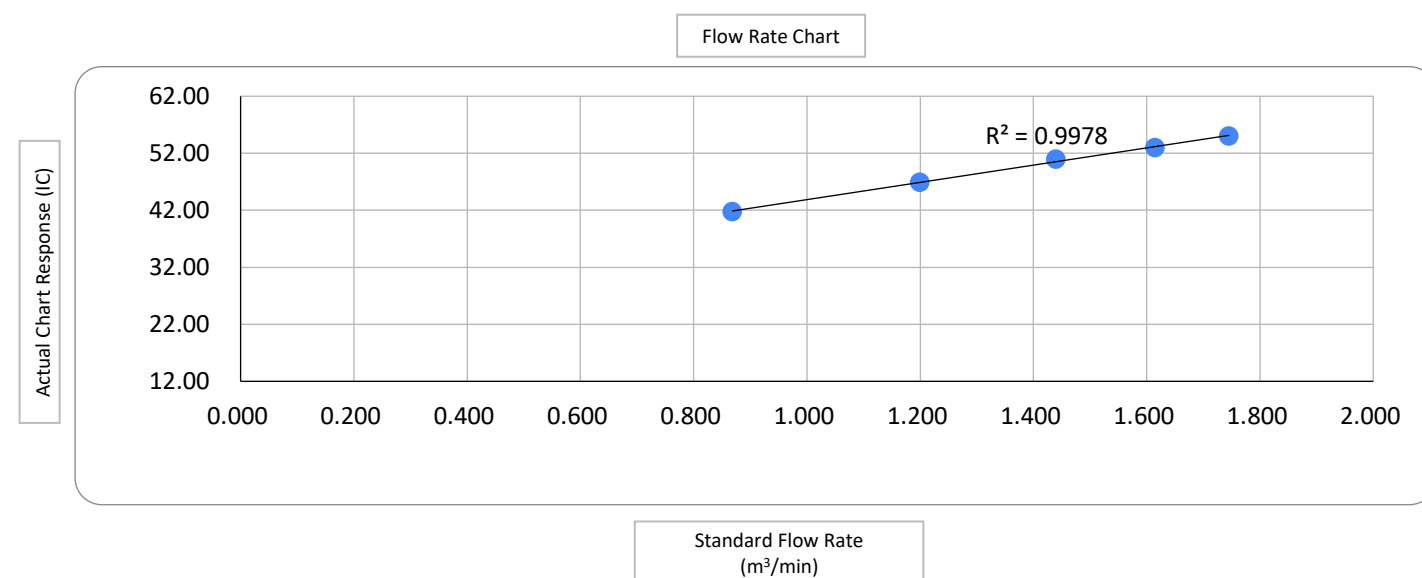
b = sampler intercept

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: 11-Feb-2025

HIVOL SAMPLER CALIBRATION DATA SHEET (TSP)

Site Information

Location:	Representative For Heung YuenWai	Site ID:	AM2	Date:	10-Feb-2025
Serial No.:	1106	Model:	TE-5170X	Operator:	Andy Li

Ambient Condition

Actual Pressure during Calibration (P_a) (mm Hg):	766.3	Actual Temperature during Calibration (T_a) (deg K):	289.4
---	-------	--	-------

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	12.00	1.717	53.0	54.00
13	10.20	1.584	50.0	50.95
10	8.20	1.423	44.0	44.83
7	5.60	1.179	36.0	36.68
5	3.00	0.869	30.0	30.57

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

m= 28.7309

b= 4.4948

Corr. Coeff= 0.9930

Calculations

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

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

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

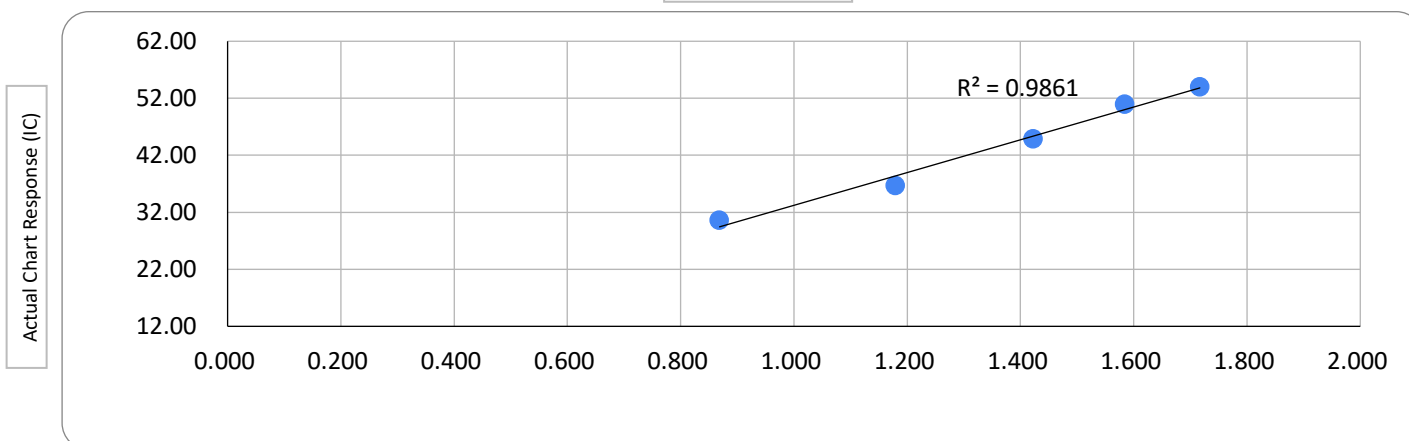
T_{Std} = 298 deg K

P_{Std} = 760 mm Hg

T_a = actual temperature during calibration (deg K)

P_a = actual pressure during calibration (mm Hg)

Flow Rate Chart



Standard Flow Rate (m³/min)

Checked by: F.C Tsang
Monitoring Team Leader

Date: 11-Feb-2025

HIVOL SAMPLER CALIBRATION DATA SHEET (TSP)

Site Information

Location:	Representative For Wo Keng Shan Tsuen	Site ID:	AM3	Date:	10-Feb-2025
Serial No.:	1856	Model:	TE-5170X	Operator:	Andy Li

Ambient Condition

Actual Pressure during Calibration (P_a) (mm Hg):	766.3	Actual Temperature during Calibration (T_a) (deg K):	289.4
---	-------	--	-------

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	12.00	1.717	58.0	59.10
13	8.60	1.457	52.0	52.99
10	7.60	1.370	46.0	46.87
7	4.80	1.093	40.0	40.76
5	2.80	0.840	32.0	32.61

0

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

m= 30.3230 b= 7.1836 Corr. Coeff= 0.9925

Calculations

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

$$IC = I \cdot (\text{Sqrt}(P_a/P_{\text{Std}}) \cdot (T_{\text{Std}}/T_a))$$

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

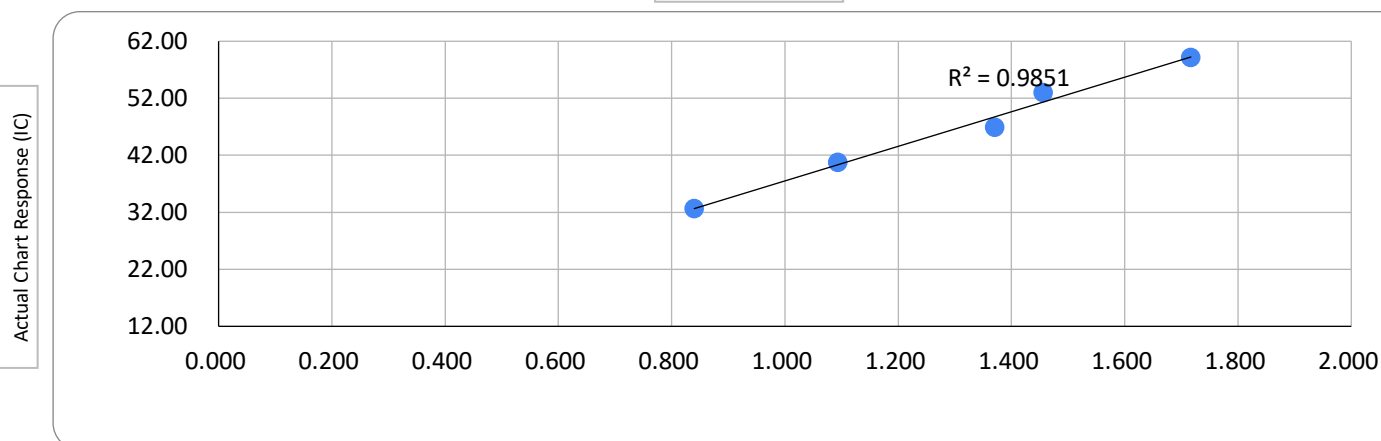
T_{Std} = 298 deg K

P_{Std} = 760 mm Hg

T_a = actual temperature during calibration (deg K)

P_a = actual pressure during calibration (mm Hg)

Flow Rate Chart



Standard Flow Rate (m³/min)

Checked by: F.C Tsang
Monitoring Team Leader

Date: 11-Feb-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)	$\sqrt{\Delta H \left(\frac{Ta}{Pa} \right)}$ (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 =	$\Delta Vol((Pa-\Delta P)/Pstd)(Tstd/Ta)$	Va =	$\Delta Vol((Pa-\Delta P)/Pa)$
Qstd =	$Vstd/\Delta Time$	Qa =	$Va/\Delta Time$
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 =	$1/m \left(\left(\sqrt{\Delta H \left(\frac{Ta}{Pa} \right)} \right) - b \right)$

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

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

Certificate No.: APJ24-049-CC001



Page 1 of 4

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,	IEC 61672 Class 1
Range, dB	Freq. Weighting	Time Weighting		Level, dB	Frequency, Hz	dB	Specification, dB
30-130	dBA SPL	Fast		94	1000	94.1	±0.4

Linearity

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	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,	IEC 61672 Class 1
Range, dB	Freq. Weighting	Time Weighting		Level, dB	Frequency, Hz	dB	Specification, dB
30-130	dBA SPL	Fast		94	1000	94.0	Ref
		Slow				94.1	±0.3

Certificate No.: APJ24-049-CC001

Page 2 of 4

Frequency Response

Linear Response

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	dB	SPL	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, dB	IEC 61672 Class 1 Specification, dB
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Frequency, Hz		
30-130	dBA	SPL	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, dB	IEC 61672 Class 1 Specification, dB
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Frequency, Hz		
30-130	dBC	SPL	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

Certificate No.: APJ24-049-CC001



Page 3 of 4

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.

Certificate No.: APJ24-049-CC001



Page 4 of 4

Certificate of Calibration

for

Description: *Sound Level Meter*
Manufacturer: *NTi Audio*
Type No.: *XL2 (Serial No.: A2A-17638-E0)*
Microphone: *ACO 7052 (Serial No.:73912)*
Preamplifier: *NTi Audio M2211 MA220 (Serial No.:10390)*

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: 21 March 2024

Date of calibration: 27 March 2024

Date of NEXT calibration: 26 March 2025

Calibrated by: 
Calibration Technician

Certified by: 
Mr. Ng Yan Wa
Laboratory Manager

Date of issue: 27 March 2024

Certificate No.: APJ23-155-CC001



Page 1 of 4

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: 22.5 °C
Air Pressure: 1005 hPa
Relative Humidity: 69.8 %

3. Calibration Equipment:

	Type	Serial No.	Calibration Report Number	Traceable to
Multifunction Calibrator	B&K 4226	2288467	AV220061	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	94.1	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	94.1	Ref
		Slow				94.1	±0.3

Certificate No.: APJ23-155-CC001



Page 2 of 4

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	94	31.5	94.2	± 2.0
				63	94.2	± 1.5
				125	94.1	± 1.5
				250	94.1	± 1.4
				500	94.1	± 1.4
				1000	94.1	Ref
				2000	94.4	± 1.6
				4000	95.3	± 1.6
				8000	94.9	+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	94	31.5	55.0	-39.4 ± 2.0
				63	68.0	-26.2 ± 1.5
				125	78.0	-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	$+1.2 \pm 1.6$
				4000	96.3	$+1.0 \pm 1.6$
				8000	93.8	$-1.1 + 2.1; -3.1$

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	94	31.5	91.2	-3.0 ± 2.0
				63	93.4	-0.8 ± 1.5
				125	93.9	-0.2 ± 1.5
				250	94.1	-0.0 ± 1.4
				500	94.2	-0.0 ± 1.4
				1000	94.1	Ref
				2000	94.3	-0.2 ± 1.6
				4000	94.5	-0.8 ± 1.6
				8000	91.9	$-3.0 + 2.1; -3.1$

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	± 0.05
	125 Hz	± 0.05
	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.

Certificate No.: APJ23-155-CC001



Page 4 of 4

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:

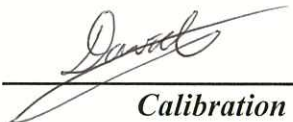
- The Government of The Hong Kong Special Administrative Region Standard & Calibration Laboratory

Date of receipt: 22 July 2024

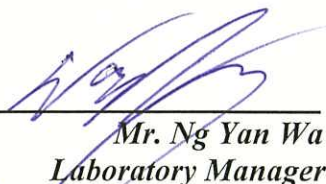
Date of calibration: 24 July 2024

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

Page 1 of 2

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.





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.: CC0262304

Customer Information

Customer: Acuity Sustainability Consulting Limited

Address: Unit E, 12/F, Ford Glory Plaza, Nos. 37-39 Wing Hong Street, Cheung Sha Wan, Kowloon, Hong Kong

Equipment Identification

Equipment Description	Manufacturer	Model No.	Serial No.	Assigned equipment No.
Air Velocity Monitor	UNI-T	UT363	C222415367	A-04

Certificate Information

Date of Receipt: 24 April 2023

Date of Calibration: 5 May 2023

Due Date of Calibration: N/A

Calibration Procedure: SOP-112

Calibration Condition: 23.3°C, 57%RH, 1002hPa

Adjustment: N/A

Appearance: Good

Remark: N/A

Reference Equipment Identification

Equipment Description	Model	Serial No.	Expiration Date
Hot Wire Anemometer	9535	T95351316004	11 August 2024

Result of Calibration

Air flow rate

Reference reading (m/s)	Measured reading (m/s)	Error (%)	Uncertainty (%FS)	Technical Requirement (m/s)	Technical Reference Doc.
1.0	1.0	0.0	3.6	± 0.6	Mfr's Spec.
3.0	2.9	-3.3	3.6	± 0.7	Mfr's Spec.
5.0	5.0	0.0	3.6	± 0.8	Mfr's Spec.
7.0	6.9	-1.4	3.6	± 0.9	Mfr's Spec.
10.0	9.9	-1.0	3.6	± 1.0	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:

Wing Cheng

Checked and Approved By:

Warren Yeung

Company Chop:



Certificate Issue Date: 5 May 2023

*** End of Certificate ***

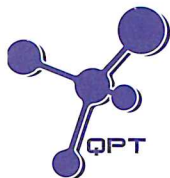
CT-BEG-03

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2. The certificate is issued subject to the latest Terms and Conditions, available at our web site

CC0262304

Page 1 of 1

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-BE010185
Date of Issue : 13 January 2025
Page No. : 1 of 2

PART A - CUSTOMER INFORMATION

Acuity Sustainability Consulting Limited
Unit E, 12/F, Ford Glory Plaza 37-39 Wing Hong Street, Cheung Sha Wan, Kowloon, Hong Kong

PART B - SAMPLE INFORMATION

Name of Equipment : YSI ProDSS (Multi-Parameters)
Manufacturer : YSI
Serial Number : 22D100436
Date of Received : 07 January 2025
Date of Calibration : 09 January 2025
Date of Next Calibration : 08 April 2025
Request No. : D-BE010185

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)

PART D - CALIBRATION RESULT

(1) pH value

Target (pH unit)	Display Reading (pH unit)	Tolerance	Result
4.00	4.13	0.13	Satisfactory
7.42	7.54	0.12	Satisfactory
10.01	10.10	0.09	Satisfactory

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

(2) Temperature

Reading of Ref. thermometer (°C)	Display Reading (°C)	Tolerance	Result
17.0	17.2	0.2	Satisfactory
21.5	21.4	-0.1	Satisfactory
32.0	31.8	-0.2	Satisfactory

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

(3) Salinity

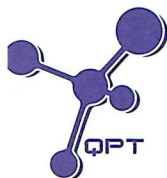
Expected Reading (g/L)	Display Reading (g/L)	Tolerance (%)	Result
10	9.70	-3.00	Satisfactory
20	19.88	-0.60	Satisfactory
30	30.35	1.17	Satisfactory

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

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REPORT OF EQUIPMENT PERFORMANCE CHECK/ CALIBRATION

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(4) Dissolved oxygen

Expected Reading (mg/L)	Display Reading (mg/L)	Tolerance	Result
8.55	8.48	-0.07	Satisfactory
5.48	5.08	-0.40	Satisfactory
3.01	2.89	-0.12	Satisfactory
0.70	0.21	-0.49	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	0.19	--	Satisfactory
10	10.89	8.9	Satisfactory
20	19.48	-2.6	Satisfactory
100	94.42	-5.6	Satisfactory
800	728.89	-8.9	Satisfactory

Tolerance of Turbidity 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

Date of Calibration: 11 February 2025

Due Date of Calibration: N/A

Calibration Procedure: JJG 1030-2007

Calibration Condition: 21.7°C, 52%RH, 1008hPa

Adjustment: N/A

Appearance: Good

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:



Certificate Issue Date: 12 February 2025

CT-BEG-04

*** End of Certificate ***

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2. The certificate is issued subject to the latest Terms and Conditions, available at our web site

CC0172502

Page 1 of 1

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

Inspection 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 calibration	H2S (ppm)	CO (ppm)	O2 (%)	LEL (%)	CO2 (ppm)
SENSOR Calibration	17/2/2025	25	100	18	50	5000
		OK	OK	OK	OK	OK

Calibration 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 exceeding 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 OWN 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 ($\mu\text{g}/\text{m}^3$) at Location AM1

Date	Equipment Brand & Model	Equipment Serial No.	K-factor	Weather	Sampling Time (1)	Sampling Time (2)	Sampling Time (3)	Reading (1)	Reading (2)	Reading (3)	Average	Action Level	Limit Level
								µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
3/3/2025	Sibata LD-5R	942532	1.1020	Fine	08:15	09:15	10:15	33	36	34	34	285	500
8/3/2025	Sibata LD-5R	882106	1.0437	Fine	08:15	09:15	10:15	24	29	26	26		
13/3/2025	Sibata LD-5R	882106	1.0437	Fine	08:53	09:53	10:53	26	29	28	28		
19/3/2025	Sibata LD-5R	882106	1.0437	Fine	08:30	09:30	10:30	26	28	24	26		
25/3/2025	Sibata LD-5R	882106	1.0437	Fine	08:20	09:20	10:20	19	20	14	18		
31/3/2025	Sibata LD-5R	882106	1.0437	Fine	08:10	09:10	10:10	29	30	28	29		
Average								27					
Max.								36					
Min.								14					

1-hour TSP Concentration ($\mu\text{g}/\text{m}^3$) at Location AM2

Date	Equipment Brand & Model	Equipment Serial No.	K-factor	Weather	Sampling Time (1)	Sampling Time (2)	Sampling Time (3)	Reading (1)	Reading (2)	Reading (3)	Average	Action Level	Limit Level
								µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
3/3/2025	Sibata LD-5R	882106	1.0437	Fine	08:36	09:36	10:36	51	49	51	50	279	500
8/3/2025	Sibata LD-5R	0Z4545	1.0451	Fine	08:35	09:35	10:35	45	51	49	48		
13/3/2025	Sibata LD-5R	0Z4545	1.0451	Fine	08:35	09:35	10:35	40	41	42	41		
19/3/2025	Sibata LD-5R	0Z4545	1.0451	Fine	08:45	09:45	10:45	34	35	36	35		
25/3/2025	Sibata LD-5R	0Z4545	1.0451	Fine	08:30	09:30	10:30	46	47	45	46		
31/3/2025	Sibata LD-5R	0Z4545	1.0451	Fine	08:36	09:36	10:36	44	45	43	44		
							Average	44					
							Max.	51					
							Min.	34					

1-hour TSP Concentration ($\mu\text{g}/\text{m}^3$) at Location AM3

Date	Equipment Brand & Model	Equipment Serial No.	K-factor	Weather	Sampling Time (1)	Sampling Time (2)	Sampling Time (3)	Reading (1)	Reading (2)	Reading (3)	Average	Action Level	Limit Level
								µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
3/3/2025	Sibata LD-5R	0Z4545	1.0451	Fine	08:20	09:20	10:20	55	56	54	55	285	500
8/3/2025	Sibata LD-5R	942532	1.1020	Fine	08:50	09:50	10:50	53	59	59	57		
13/3/2025	Sibata LD-5R	942532	1.1020	Fine	09:50	10:50	11:50	56	54	59	56		
19/3/2025	Sibata LD-5R	942532	1.1020	Fine	08:56	09:56	10:56	50	52	51	51		
25/3/2025	Sibata LD-5R	942532	1.1020	Fine	08:45	09:45	10:45	60	59	55	58		
31/3/2025	Sibata LD-5R	942532	1.1020	Fine	08:50	09:50	10:50	59	60	58	59		
							Average	56					
							Max.	60					
							Min.	50					

The Summary of TSP 24-hour Concentration (µg/m³) 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
		(°C)	(hPa)	Initial	Final	(minutes)	(cfm)	(m³/min)	(m³)	Initial	Final	(g)	(µg/m³)	(µg/m³)	(µg/m3)
03/03/2025	Fine	24.1	1010.6	4886.54	4910.54	1440	40	0.7	1067	2.6882	2.7775	0.0893	84	164	260
08/03/2025	Fine	17.5	1021.4	4931.03	4955.03	1440	40	0.8	1152	2.6749	2.7869	0.1120	97		
13/03/2025	Fine	22.9	1013.9	4981.86	5005.86	1440	42	0.9	1231	2.7646	2.8696	0.1050	85		
19/03/2025	Fine	19.0	1024.3	5029.65	5053.65	1440	41	0.9	1250	2.7259	2.8294	0.1035	83		
25/03/2025	Fine	23.7	1008.7	5080.08	5104.08	1440	40	0.7	1015	2.7358	2.8169	0.0811	80		
31/03/2025	Fine	14.9	1018.9	5123.25	5147.25	1440	40	0.8	1160	2.6754	2.7605	0.0851	73		
													Average	84	
													Min	73	
													Max	97	

The Summary of 24-hour TSP Concentration (µg/m³) 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
		(°C)	(hPa)	Initial	Final	(minutes)	(cfm)	(m³/min)	(m³)	Initial	Final	(g)	(µg/m³)	(µg/m³)	(µg/m3)
03/03/2025	Fine	24.1	1010.6	4652.22	4676.22	1440	41	1.3	1802	2.6749	2.8533	0.1784	99	152	260
08/03/2025	Fine	17.5	1021.4	4705.46	4729.46	1440	41	1.3	1873	2.7734	2.9720	0.1986	106		
13/03/2025	Fine	22.9	1013.9	4758.35	4782.35	1440	41	1.3	1838	2.7543	2.9320	0.1777	97		
19/03/2025	Fine	19.0	1024.3	4812.18	4836.18	1440	41	1.3	1848	2.7369	2.9009	0.1640	89		
25/03/2025	Fine	23.7	1008.7	4866.15	4890.15	1440	41	1.3	1825	2.6874	2.8387	0.1513	83		
31/03/2025	Fine	14.9	1018.9	4916.03	4940.03	1440	41	1.3	1877	2.7356	2.8839	0.1483	79		
													Average	92	
													Min	79	
													Max	106	

The Summary of 24-hour TSP Concentration (µg/m³) 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
		(°C)	(hPa)	Initial	Final	(minutes)	(cfm)	(m³/min)	(m³)	Initial	Final	(g)	(µg/m³)	(µg/m³)	(µg/m3)
03/03/2025	Fine	24.1	1010.6	5504.07	5528.07	1440	41	1.1	1604	2.7521	2.9258	0.1737	108	163	260
08/03/2025	Fine	17.5	1021.4	5551.52	5575.52	1440	41	1.1	1647	2.6910	2.8859	0.1949	118		
13/03/2025	Fine	22.9	1013.9	5597.21	5621.21	1440	42	1.1	1638	2.7679	2.9406	0.1727	105		
19/03/2025	Fine	19.0	1024.3	5648.10	5672.10	1440	42	1.2	1696	2.7398	2.9161	0.1763	104		
25/03/2025	Fine	23.7	1008.7	5700.81	5724.81	1440	42	1.1	1625	2.7440	2.9045	0.1605	99		
31/03/2025	Fine	14.9	1018.9	5748.23	5772.23	1440	41	1.1	1651	2.7489	2.8937	0.1448	88		
													Average	104	
													Min	88	
													Max	118	

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		
3/3/2025	Fine	1.7	08:00	08:30	58.2	57.6	57.9	58.6	59.6	58.8	58.5	60.2	59.7	60.2	60.6	61.6	60.9	56.3	55.6	55.9	56.3	57.6	56.6		
13/3/2025	Fine	1.2	08:10	08:40	60.2	59.2	58.6	60.3	59.2	58.0	59.3	61.2	60.4	59.9	61.9	60.2	59.0	59.2	58.2	57.2	58.2	58.1	57.0		
19/3/2025	Fine	1.1	08:10	08:40	60.2	59.1	58.6	59.1	59.4	60.3	59.5	62.2	61.2	60.2	62.2	61.6	62.3	58.3	57.6	56.3	57.4	57.4	57.2		
25/3/2025	Fine	1.2	08:49	09:19	60.2	59.4	59.9	57.6	60.4	60.2	59.7	62.4	60.6	61.4	59.9	62.4	62.3	59.4	58.1	58.2	56.2	58.1	57.3		
31/3/2025	Fine	1.4	08:59	09:29	59.2	55.6	58.9	60.2	58.1	57.6	58.5	61.2	60.3	59.1	62.2	60.2	59.9	57.2	56.3	57.6	59.2	57.1	56.2		
								Average			59.1														
								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															
3/3/2025	Fine	1.6	10:15	10:45	54.5	55.1	56.2	55.6	56.3	56.9	55.8	55.9	56.2	57.6	56.6	58.3	58.1	53.1	54.1	55.1	54.6	54.3	55.1															
13/3/2025	Fine	1.7	10:45	11:15	54.5	53.5	55.2	54.9	53.6	54.4	54.4	55.6	54.6	56.2	55.9	54.9	55.9	53.2	52.5	54.2	53.2	52.2	52.3															
19/3/2025	Fine	1.2	10:30	11:00	44.3	45.4	44.6	45.9	46.2	47.1	45.7	45.6	46.4	45.9	46.9	47.6	49.2	43.1	43.6	42.6	44.1	45.4	46.2															
25/3/2025	Fine	1.4	10:30	11:00	48.2	49.3	50.3	49.1	48.6	49.1	49.1	51.2	51.6	51.3	52.2	50.2	51.2	46.2	47.6	49.2	48.4	46.2	47.6															
31/3/2025	Fine	1.1	11:30	12:00	46.2	47.2	46.6	45.4	46.9	46.1	46.4	48.2	49.5	49.1	47.9	50.1	49.9	44.2	43.6	44.2	43.2	44.3	44.9															
								Average			52.2																											
								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
13-Mar-25	9:46	Fine	0.12	0.2	19.6	7.7	<7.4	<4	6.5	>7.7	>7.8	4.0	>9.2	>9.5	2.4	>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
13-Mar-25	8:29	Fine	0.20	0.2	21.4	7.5	<5	<4	7.0	>7.6	>7.7	31.8	>108.3	>108.9	32.0	>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






CERTIFICATE OF ANALYSIS

Client	: ACUMEN LABORATORY AND TESTING LIMITED	Laboratory	: ALS Technichem (HK) Pty Ltd	Page	: 1 of 8
Contact	: MR. HUNTINGTON HUI	Contact	: Richard Fung	Work Order	: HK2510351
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	: 14-Mar-2025
Order number	: ---	Quote number	: HKE/2751/2022_V5	Issue Date	: 27-Mar-2025
C-O-C number	: ---			No. of samples received	: 2
Site	:			No. of samples analysed	: 2

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

<i>Signatories</i>	<i>Position</i>	<i>Authorised results for</i>
		
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 14-Mar-2025 to 27-Mar-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: HK2510351

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 16:20.

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

Sample ID

Sampling date / time

				WM1	WM2	---	---	---
				13-Mar-2025	13-Mar-2025	---	---	---
Compound	CAS Number	LOR	Unit	HK2510351-001	HK2510351-002	-----	-----	-----
EA/ED: Physical and Aggregate Properties								
EA025: Suspended Solids (SS)	----	0.1	mg/L	2.4	32.0	---	---	---
ED037: Total Alkalinity as CaCO3	----	1	mg/L	13	83	---	---	---
ED/EK: Inorganic Nonmetallic Parameters								
ED041K: Sulphate as SO4 - Turbidimetric	----	1	mg/L	6	40	---	---	---
ED045K: Chloride	16887-00-6	0.5	mg/L	7	8	---	---	---
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	<0.01	0.31	---	---	---
EK061A: Total Kjeldahl Nitrogen as N	----	0.1	mg/L	0.5	0.5	---	---	---
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	2	4	---	---	---
EP020: Oil & Grease	----	5	mg/L	<5	<5	---	---	---
EP026C: Chemical Oxygen Demand	----	5	mg/L	13	11	---	---	---
EP030: Biochemical Oxygen Demand	----	2	mg/L	<2	3	---	---	---
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	7	8	---	---	---
EG020: Lead	7439-92-1	1	µg/L	<1	4	---	---	---
EG020: Manganese	7439-96-5	1	µg/L	59	744	---	---	---
EG020: Nickel	7440-02-0	1	µg/L	1	<1	---	---	---
EG020: Zinc	7440-66-6	10	µg/L	18	26	---	---	---
EG032: Calcium	7440-70-2	50	µg/L	3270	40000	---	---	---
EG032: Iron	7439-89-6	10	µg/L	670	3530	---	---	---
EG032: Magnesium	7439-95-4	50	µg/L	490	2420	---	---	---
EG032: Potassium	7440-09-7	50	µg/L	510	3750	---	---	---
EG032: Sodium	7440-23-5	50	µg/L	8930	8710	---	---	---
EM: Microbiological Testing								
EM002: E. coli	----	1	CFU/100mL	6	1200	---	---	---



Sub-Matrix: WATER				Sample ID	WM1	WM2	----	---	---
				Sampling date / time	13-Mar-2025	13-Mar-2025	----	----	----
Compound	CAS Number	LOR	Unit		HK2510351-001	HK2510351-002	-----	-----	-----
EM: Microbiological Testing - Continued									
EM003: Total Coliforms	----	1	CFU/100mL		12	1800	---	---	---

----- 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: 6440916)								
HK2510015-005	Anonymous	EA025: Suspended Solids (SS)	----	0.5	mg/L	26.4	27.0	2.5
HK2510351-002	WM2	EA025: Suspended Solids (SS)	----	0.5	mg/L	32.0	32.3	0.8
EA/ED: Physical and Aggregate Properties (QC Lot: 6460662)								
HK2511029-012	Anonymous	ED037: Total Alkalinity as CaCO3	----	1	mg/L	1340	1330	0.5
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 6443070)								
HK2510351-001	WM1	EK071K: Reactive Phosphorus as P	14265-44-2	0.01	mg/L	0.01	0.01	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 6444258)								
HK2509683-001	Anonymous	EK086: Sulphite as SO3 2-	14265-45-3	2	mg/L	<2	<2	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 6445831)								
HK2510686-001	Anonymous	ED041K: Sulphate as SO4 - Turbidimetric	----	1	mg/L	<1	<1	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 6445832)								
HK2510686-001	Anonymous	ED045K: Chloride	16887-00-6	1	mg/L	<1	<1	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 6455655)								
HK2511130-001	Anonymous	EK055K: Ammonia as N	7664-41-7	0.01	mg/L	28.0	26.9	4.1
EP: Aggregate Organics (QC Lot: 6448804)								
HK2510455-005	Anonymous	EP005: Total Organic Carbon	----	1	mg/L	<1	<1	0.0
EP: Aggregate Organics (QC Lot: 6463699)								
HK2510351-002	WM2	EP026C: Chemical Oxygen Demand	----	5	mg/L	11	11	0.0
EG: Metals and Major Cations - Total (QC Lot: 6442961)								
HK2510327-001	Anonymous	EG020: Cadmium	7440-43-9	0.2	µg/L	<0.2	<0.2	0.0
		EG020: Copper	7440-50-8	1	µg/L	268	259	3.5
		EG020: Lead	7439-92-1	1	µg/L	3	3	0.0
		EG020: Manganese	7439-96-5	1	µg/L	2	2	0.0
		EG020: Nickel	7440-02-0	1	µg/L	174	168	3.4
		EG020: Zinc	7440-66-6	10	µg/L	401	392	2.3
EG: Metals and Major Cations - Total (QC Lot: 6442962)								
HK2510351-002	WM2	EG032: Iron	7439-89-6	10	µg/L	3530	3380	4.2

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

Matrix: WATER		Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report							
					Spike Concentration	Spike Recovery (%)		Recovery Limits(%)		RPD (%)		
Method: Compound	CAS Number	LOR	Unit	Result			LCS	DCS	Low	High	Value	Control Limit
EA/ED: Physical and Aggregate Properties (QC Lot: 6440916)												
EA025: Suspended Solids (SS)		----	0.5	mg/L	<0.5	10 mg/L	91.0	----	85.0	115	----	----
EA/ED: Physical and Aggregate Properties (QC Lot: 6460662)												
ED037: Total Alkalinity as CaCO3		----	1	mg/L	<1	50 mg/L	103	----	95.0	105	----	----
					<1	2000 mg/L	99.4	----	95.0	105	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 6443070)												
EK071K: Reactive Phosphorus as P		14265-44-2	0.01	mg/L	<0.01	0.5 mg/L	99.2	----	92.5	105	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 6444258)												
EK086: Sulphite as SO3 2-		14265-45-3	2	mg/L	<2	----	----	----	----	----	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 6445831)												
ED041K: Sulphate as SO4 - Turbidimetric		----	1	mg/L	<1	5 mg/L	110	----	89.2	112	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 6445832)												
ED045K: Chloride		16887-00-6	1	mg/L	<1	10 mg/L	99.9	----	90.8	106	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 6455655)												
EK055K: Ammonia as N		7664-41-7	0.01	mg/L	<0.01	0.5 mg/L	94.5	----	87.3	110	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 6463883)												
EK061A: Total Kjeldahl Nitrogen as N		----	0.1	mg/L	<0.1	0.5 mg/L	112	----	85.0	115	----	----
EP: Aggregate Organics (QC Lot: 6440139)												
EP030: Biochemical Oxygen Demand		----	----	mg/L	----	198 mg/L	95.9	----	80.9	119	----	----
EP: Aggregate Organics (QC Lot: 6448804)												



Matrix: WATER		Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report							
					Spike Concentration	Spike Recovery (%)		Recovery Limits(%)		RPD (%)		
Method: Compound	CAS Number	LOR	Unit	Result		LCS	DCS	Low	High	Value	Control Limit	
EP: Aggregate Organics (QC Lot: 6448804) - Continued												
EP005: Total Organic Carbon		----	1	mg/L	<1	5 mg/L	91.5	----	81.4	116	----	----
					<1	100 mg/L	96.7	----	85.7	117	----	----
EP: Aggregate Organics (QC Lot: 6462792)												
EP020: Oil & Grease		----	2	mg/L	<2	20 mg/L	93.1	----	80.4	107	----	----
EP: Aggregate Organics (QC Lot: 6463699)												
EP026C: Chemical Oxygen Demand		----	----	mg/L	----	25 mg/L	98.4	----	92.3	108	----	----
					----	250 mg/L	99.3	----	93.7	105	----	----
EG: Metals and Major Cations - Total (QC Lot: 6442961)												
EG020: Cadmium		7440-43-9	0.2	µg/L	<0.2	5 µg/L	96.1	----	85.0	109	----	----
EG020: Copper		7440-50-8	1	µg/L	<1	50 µg/L	105	----	90.0	111	----	----
EG020: Lead		7439-92-1	1	µg/L	<1	50 µg/L	99.3	----	89.0	111	----	----
EG020: Manganese		7439-96-5	1	µg/L	<1	50 µg/L	98.5	----	85.0	115	----	----
EG020: Nickel		7440-02-0	1	µg/L	<1	50 µg/L	103	----	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: 6442962)												
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	109	----	85.0	115	----	----
EG032: Magnesium		7439-95-4	50	µg/L	<50	2000 µg/L	103	----	85.0	115	----	----
EG032: Potassium		7440-09-7	50	µg/L	<50	2000 µg/L	103	----	85.0	115	----	----
EG032: Sodium		7440-23-5	50	µg/L	<50	2000 µg/L	107	----	85.0	115	----	----

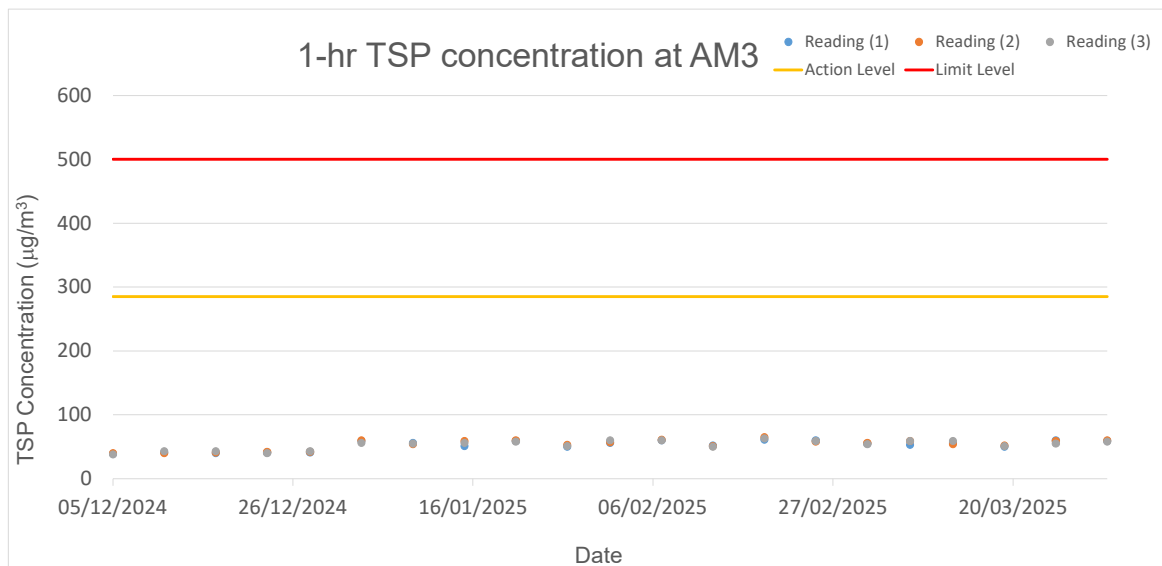
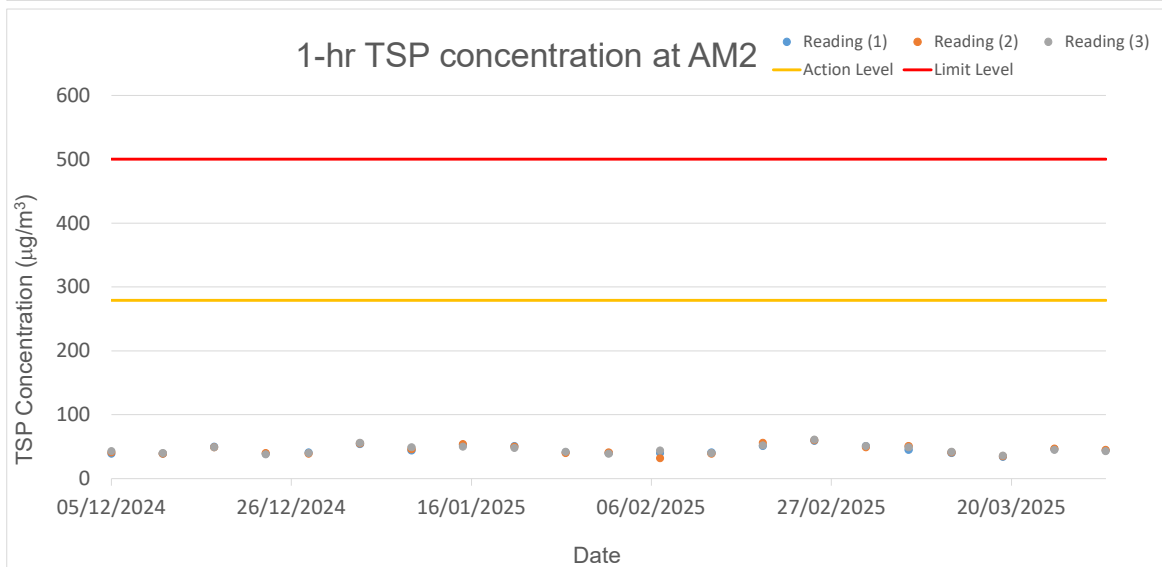
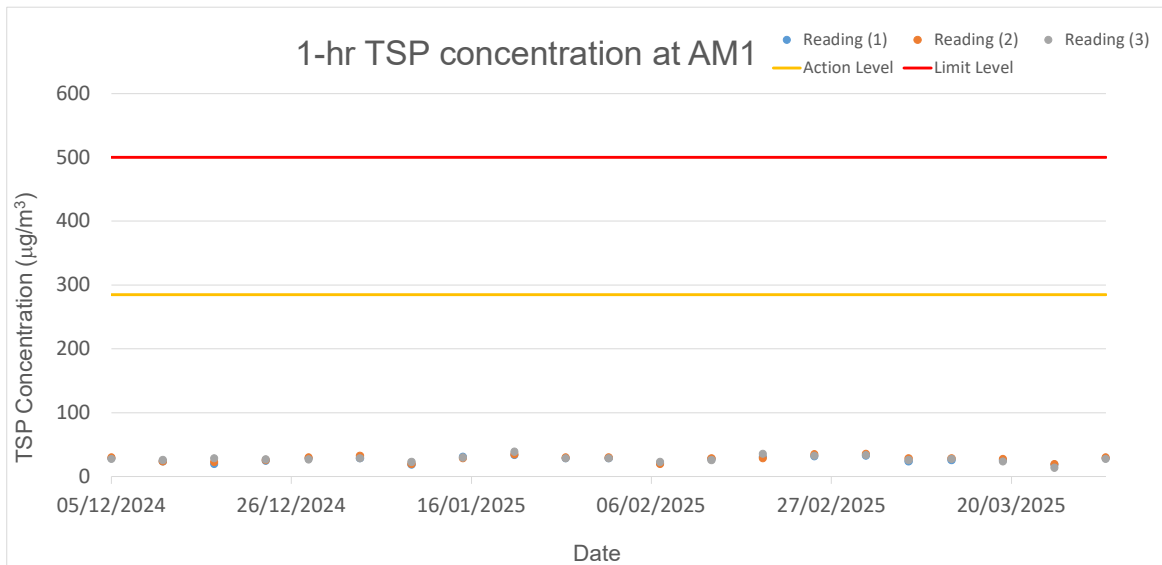


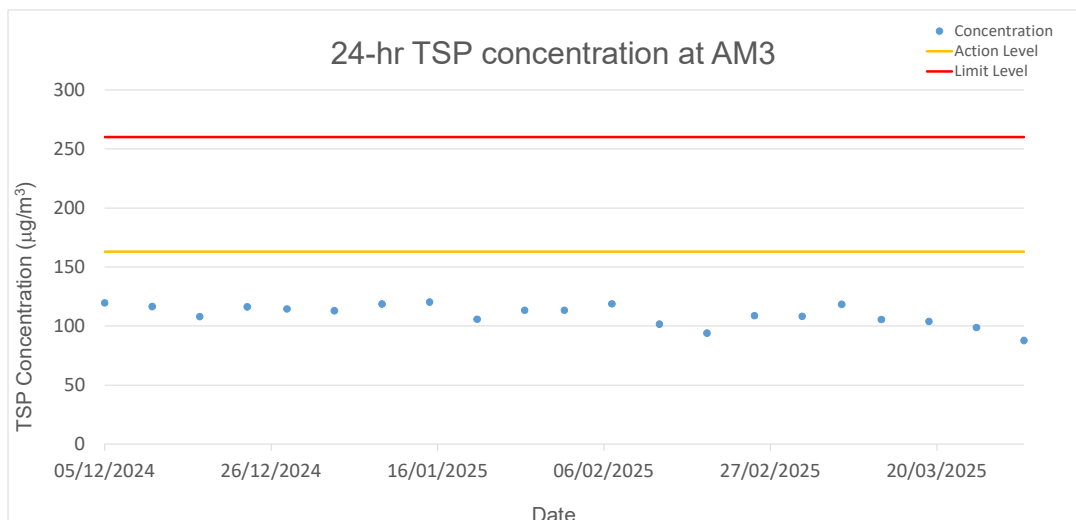
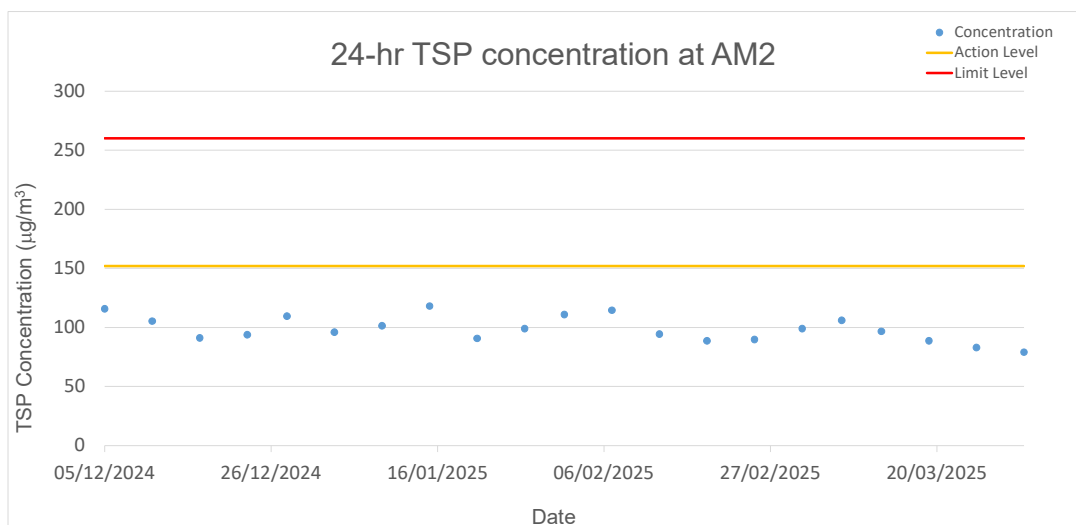
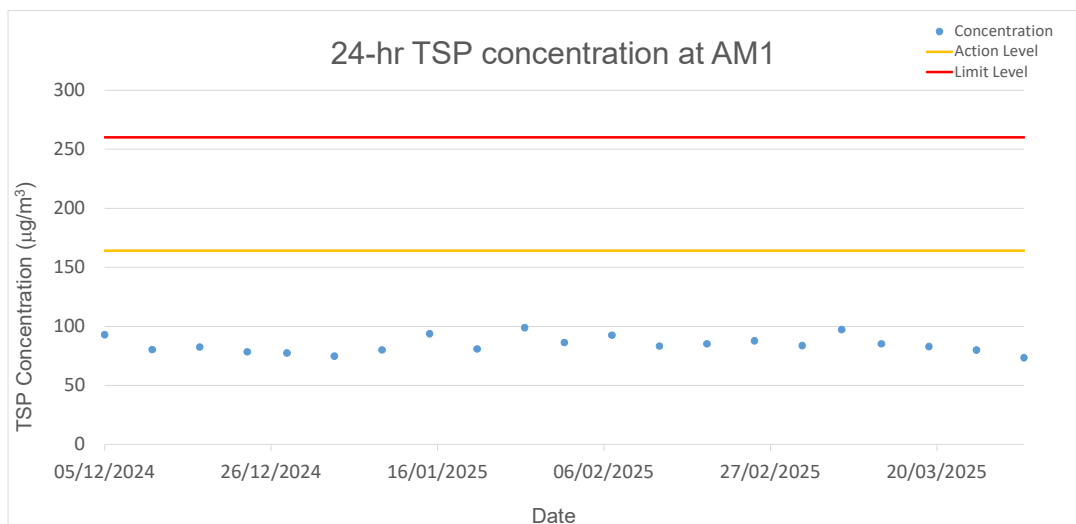
Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report

Matrix: WATER				Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report						
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Spike Concentration	Spike Recovery (%)		Recovery Limits (%)		RPD (%)	
					MS	MSD	Low	High	Value	Control Limit
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 6443070)										
HK2510351-001	WM1	EK071K: Reactive Phosphorus as P	14265-44-2	0.5 mg/L	105	----	76.7	132	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 6445831)										
HK2510686-001	Anonymous	ED041K: Sulphate as SO4 - Turbidimetric	----	5 mg/L	93.4	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 6445832)										
HK2510686-001	Anonymous	ED045K: Chloride	16887-00-6	5 mg/L	78.1	----	65.2	115	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 6455655)										
HK2511130-001	Anonymous	EK055K: Ammonia as N	7664-41-7	50 mg/L	102	----	67.6	134	----	----
EP: Aggregate Organics (QC Lot: 6448804)										
HK2510455-005	Anonymous	EP005: Total Organic Carbon	----	5 mg/L	90.6	----	73.6	121	----	----
EP: Aggregate Organics (QC Lot: 6463699)										
HK2510351-001	WM1	EP026C: Chemical Oxygen Demand	----	10 mg/L	99.0	----	72.4	125	----	----
EG: Metals and Major Cations - Total (QC Lot: 6442961)										
HK2510323-001	Anonymous	EG020: Cadmium	7440-43-9	5 µg/L	97.6	----	75.0	125	----	----
		EG020: Copper	7440-50-8	50 µg/L	105	----	75.0	125	----	----
		EG020: Lead	7439-92-1	50 µg/L	99.4	----	75.0	125	----	----
		EG020: Manganese	7439-96-5	50 µg/L	98.8	----	75.0	125	----	----
		EG020: Nickel	7440-02-0	50 µg/L	103	----	75.0	125	----	----
		EG020: Zinc	7440-66-6	50 µg/L	105	----	75.0	125	----	----
EG: Metals and Major Cations - Total (QC Lot: 6442962)										
HK2510351-001	WM1	EG032: Calcium	7440-70-2	2000 µg/L	109	----	75.0	125	----	----
		EG032: Iron	7439-89-6	2000 µg/L	109	----	75.0	125	----	----
		EG032: Magnesium	7439-95-4	2000 µg/L	105	----	75.0	125	----	----
		EG032: Potassium	7440-09-7	2000 µg/L	102	----	75.0	125	----	----
		EG032: Sodium	7440-23-5	2000 µg/L	# Not Determined	----	75.0	125	----	----

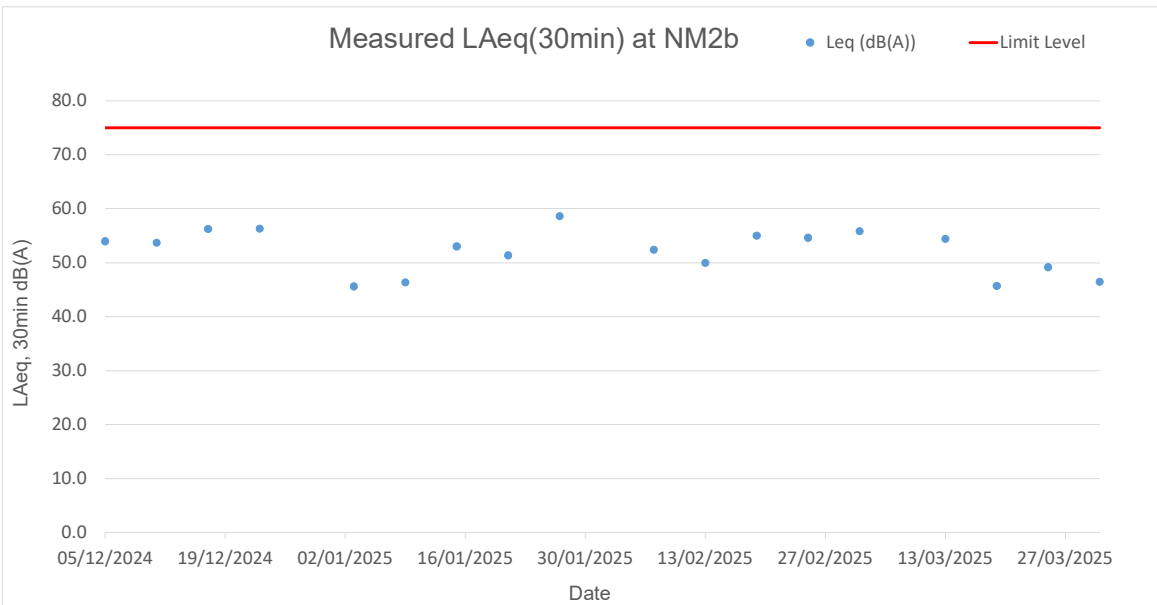
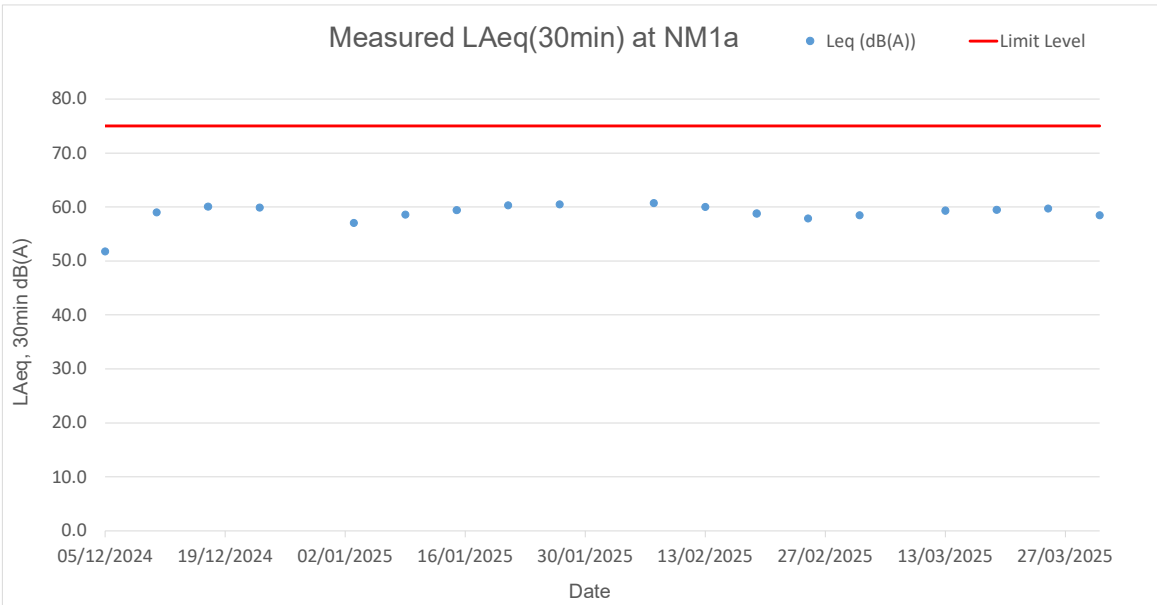
Appendix G Graphical Presentations

Air Quality



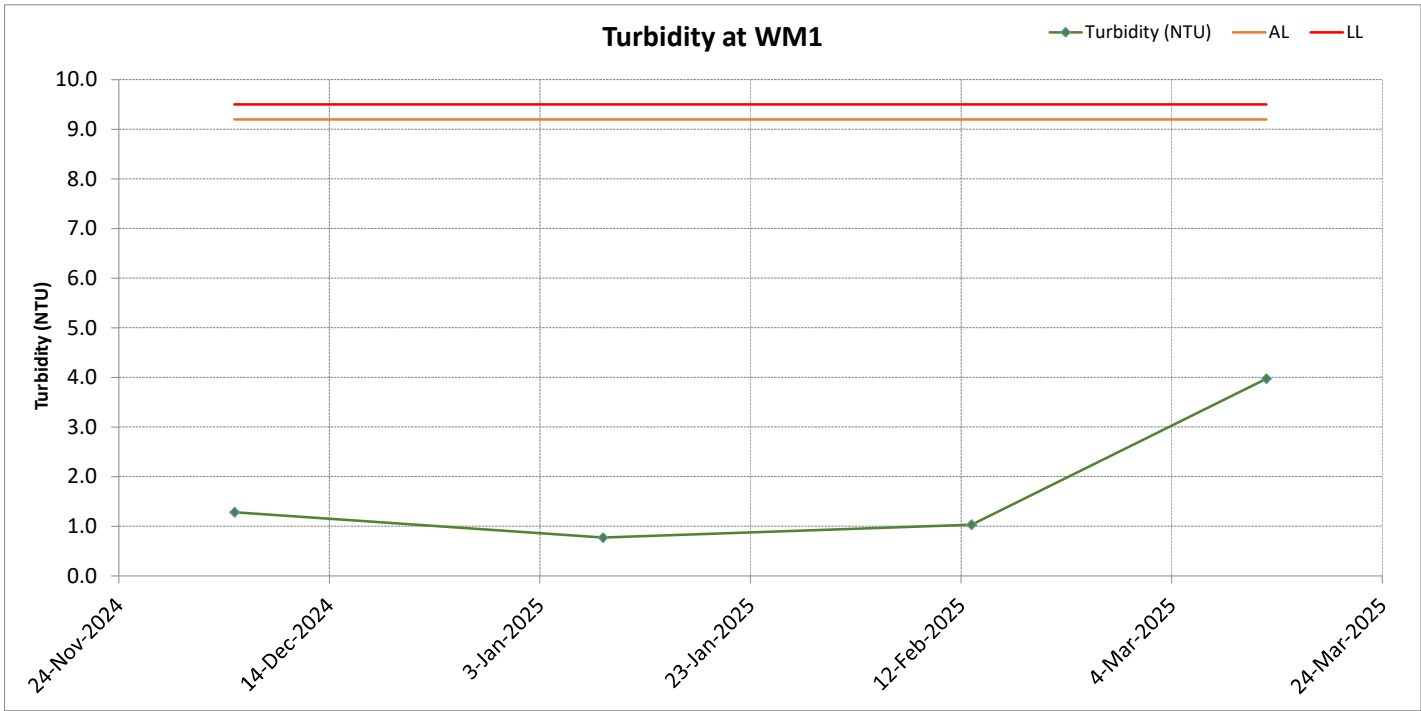
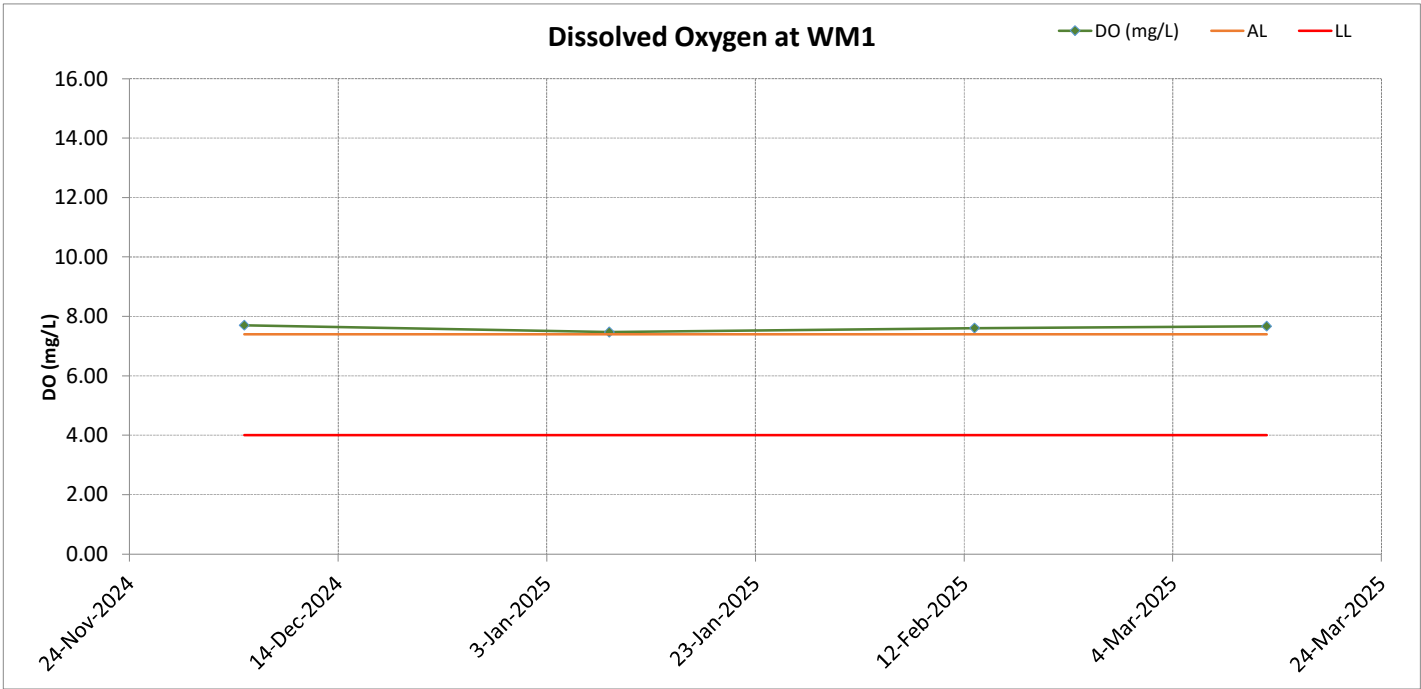


Noise

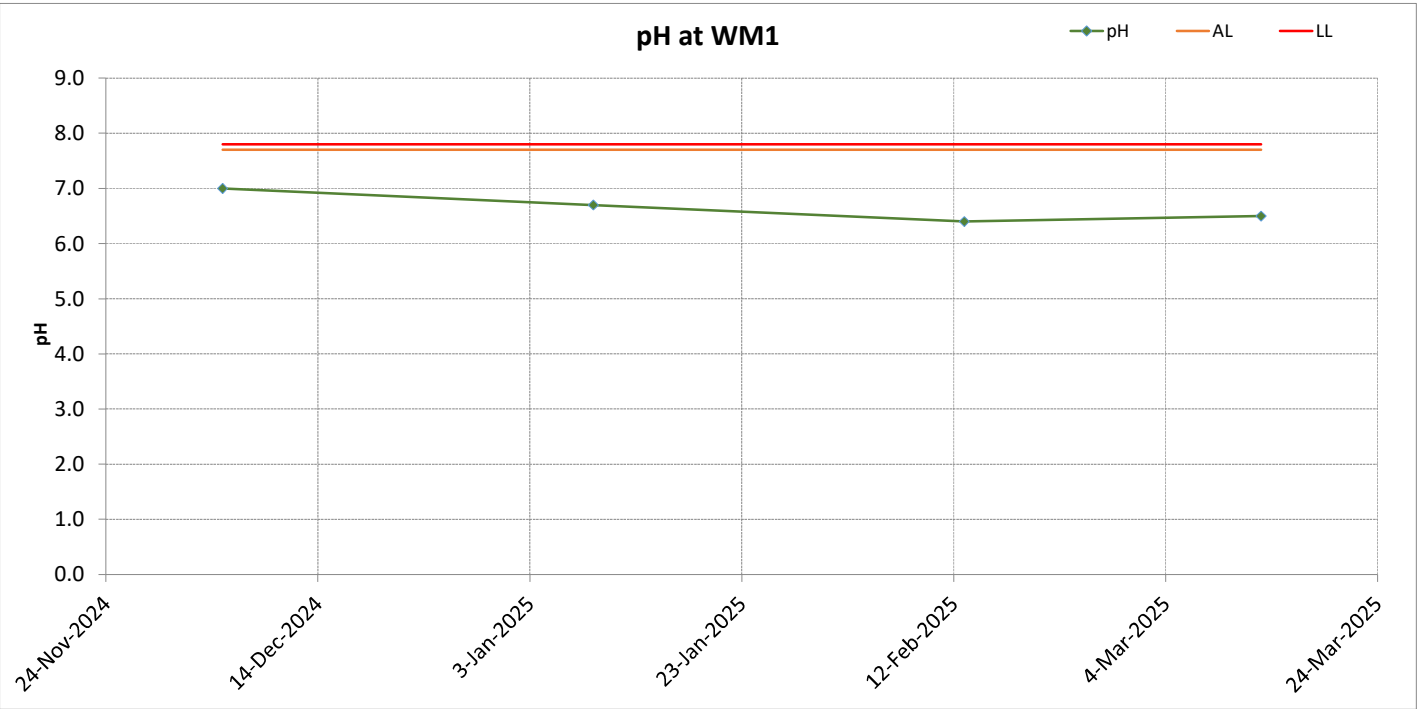
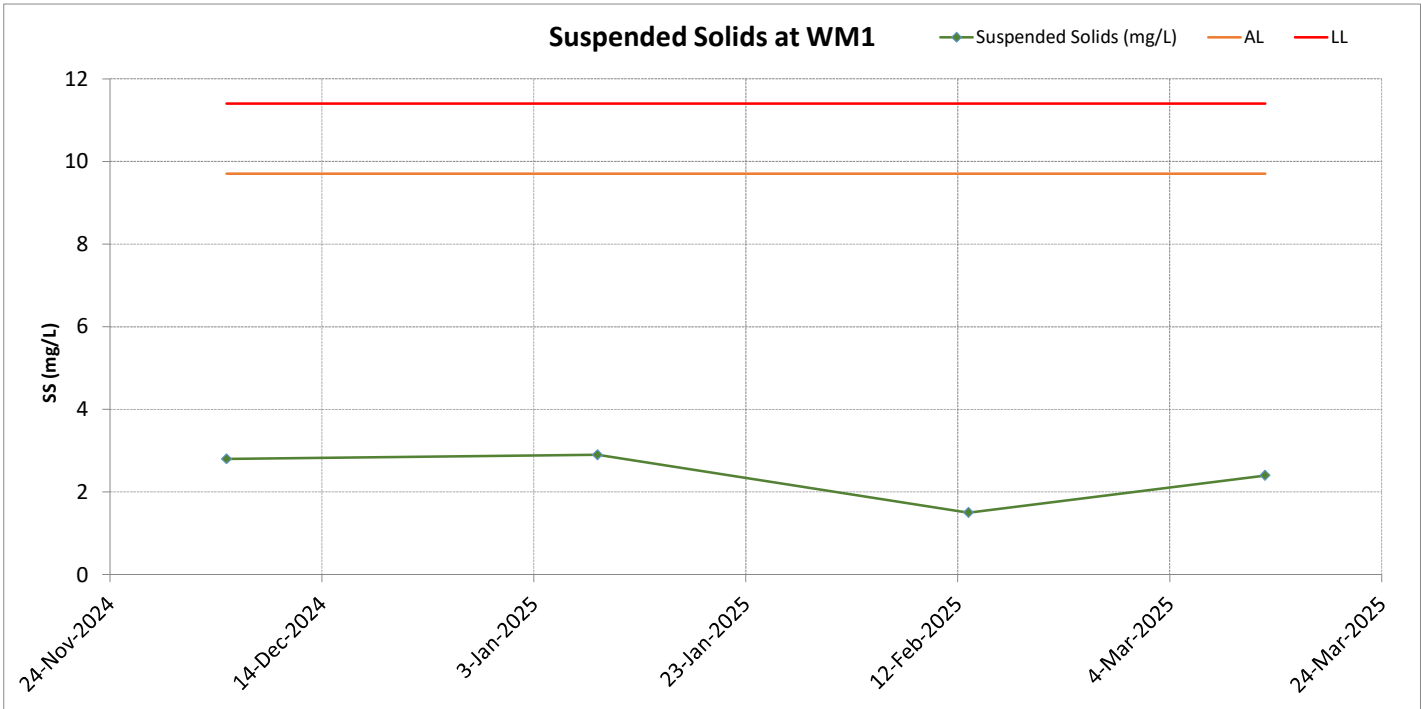


Water Quality

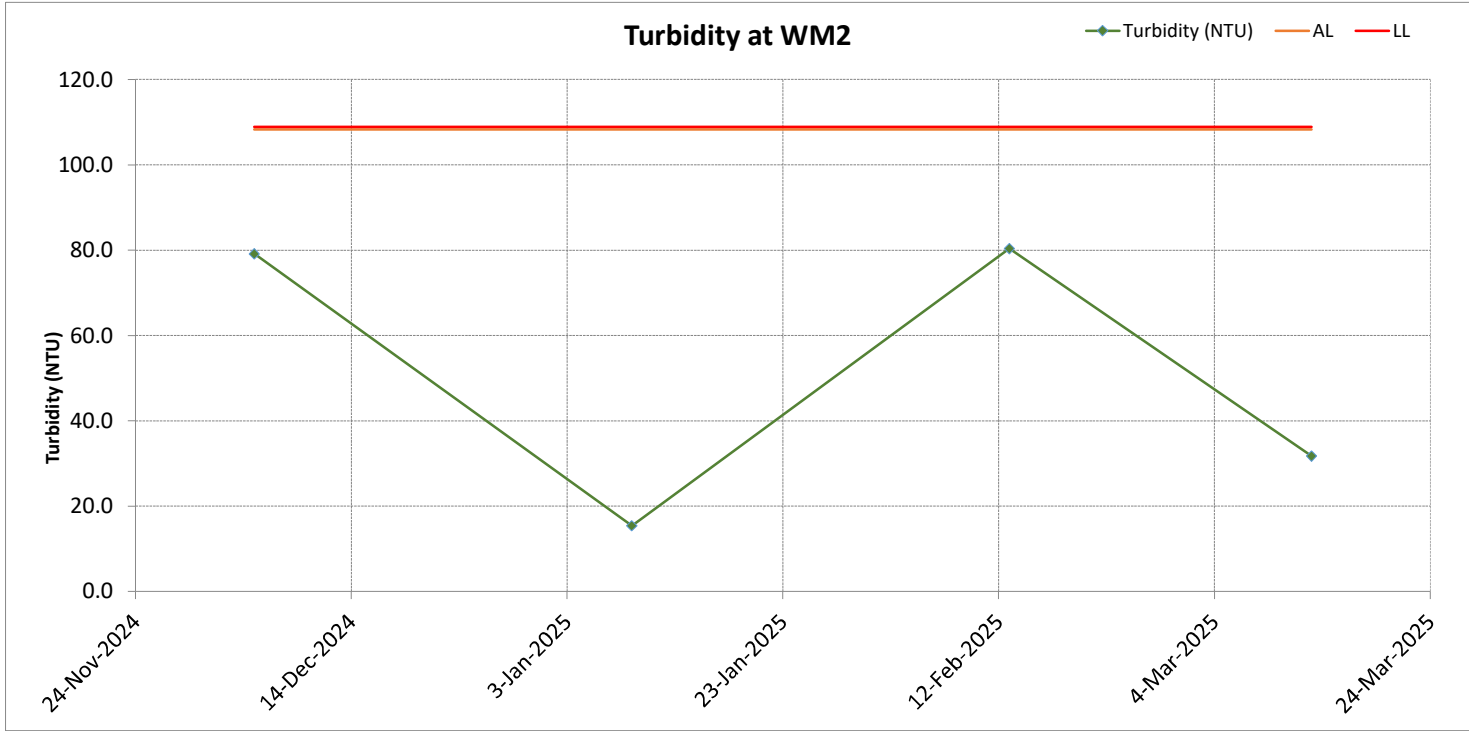
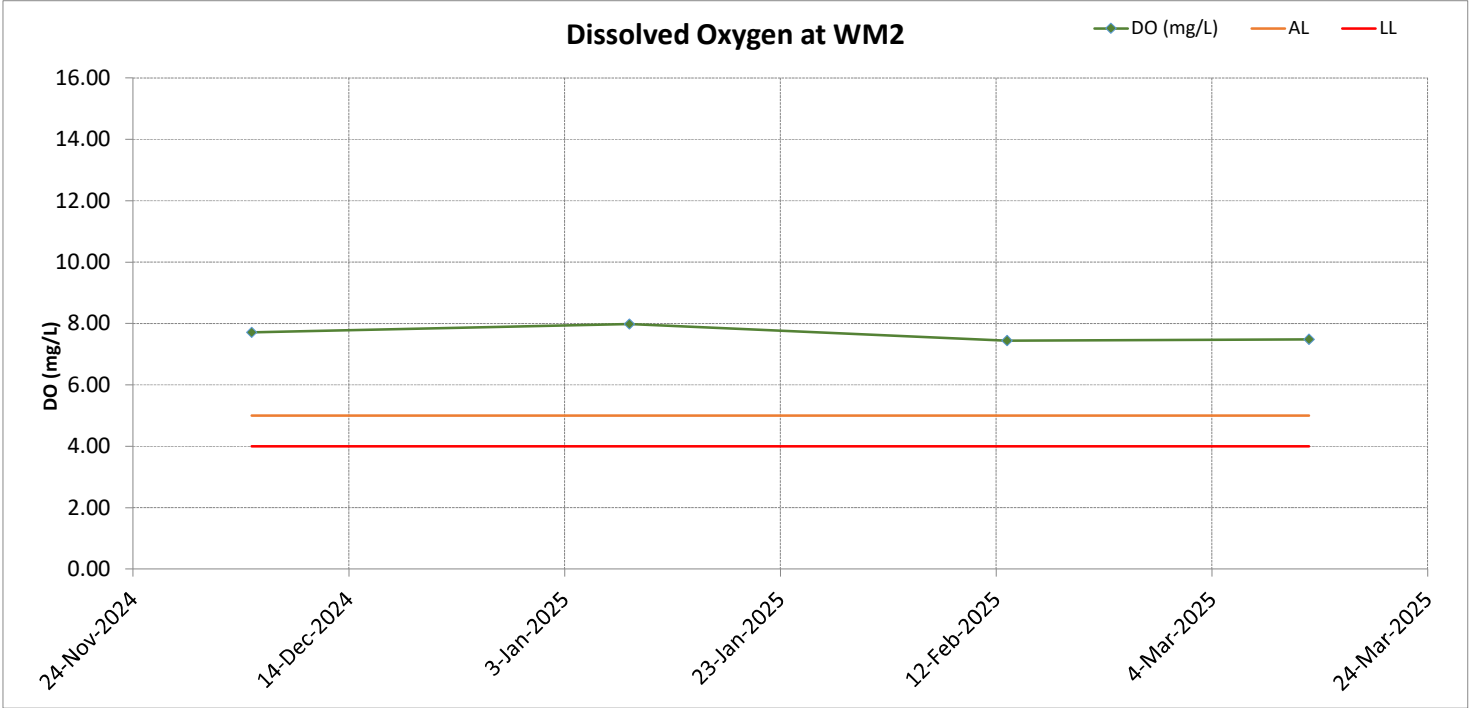
Surface Water Monitoring Results at WM1



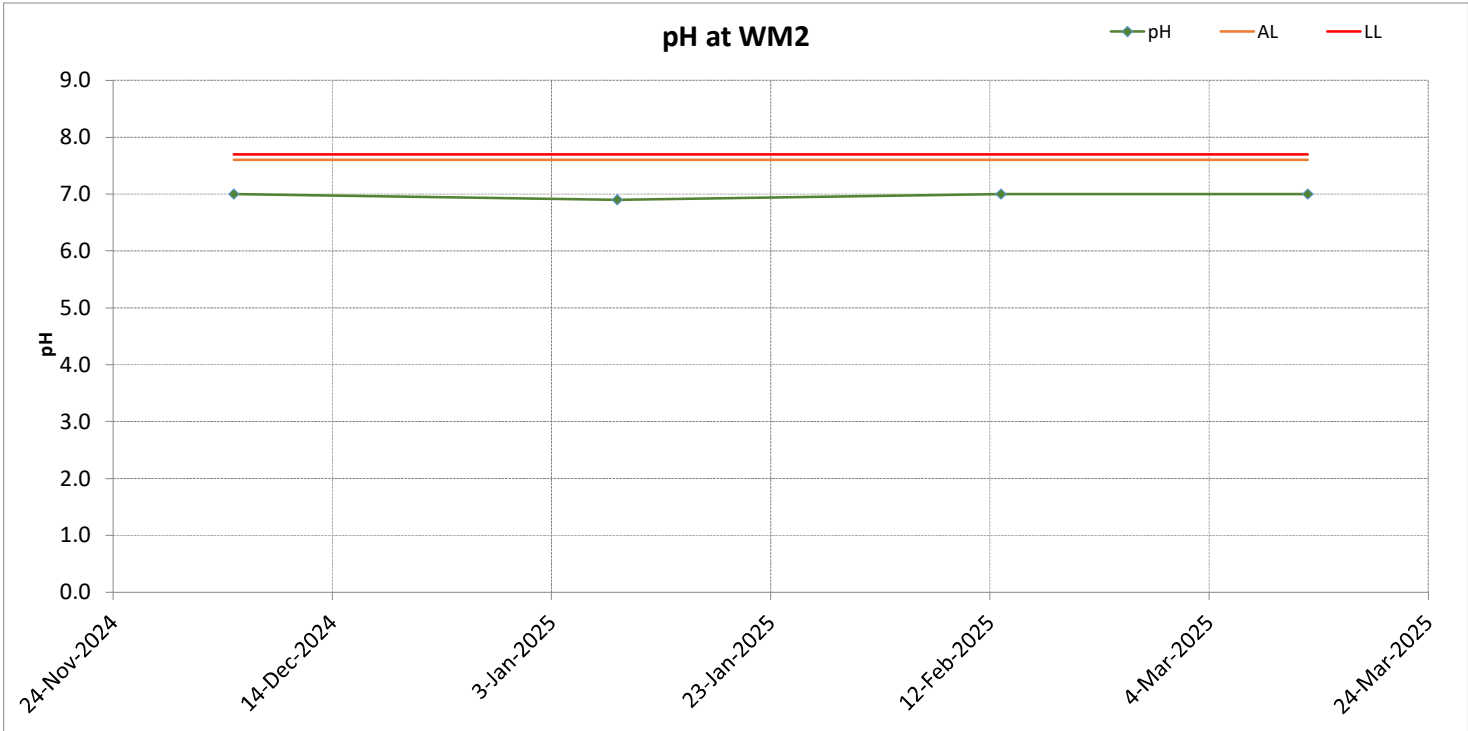
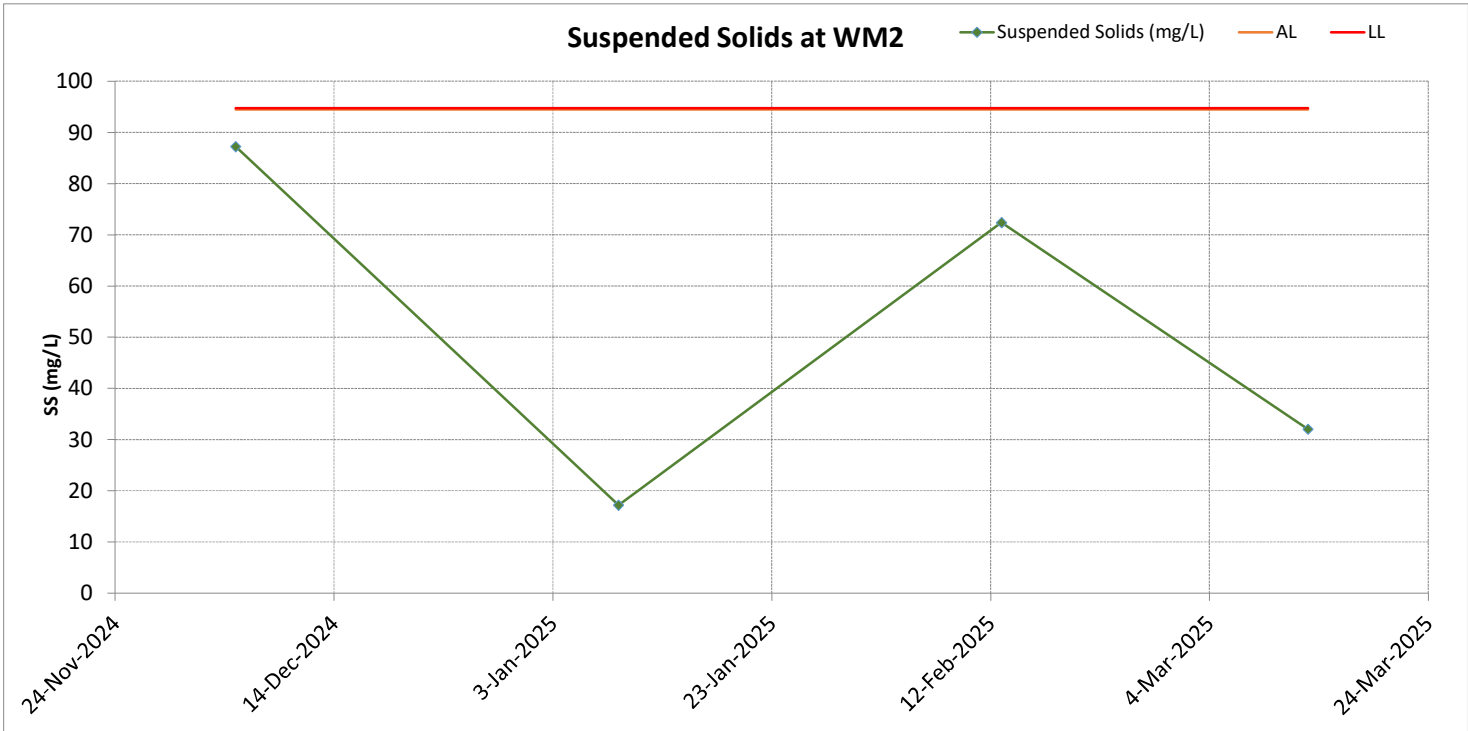
Surface Water Monitoring Results at WM1



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	0
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

[illegible]

Appendix I Wind Data

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250301_0003	0.1	105
20250301_0013	0.1	289
20250301_0023	0.2	111
20250301_0033	0.6	107
20250301_0043	0.2	147
20250301_0053	0.8	330
20250301_0103	0.1	284
20250301_0113	0.1	228
20250301_0123	0.1	243
20250301_0133	0.1	244
20250301_0143	0.1	256
20250301_0153	0.1	55
20250301_0203	0.1	211
20250301_0213	0.1	223
20250301_0223	0.1	171
20250301_0233	0.3	92
20250301_0243	0.1	309
20250301_0253	0.2	161
20250301_0303	0.1	161
20250301_0313	0.1	281
20250301_0323	0.1	64
20250301_0333	0.1	253
20250301_0343	0.1	133
20250301_0353	0.1	100
20250301_0403	0.3	122
20250301_0413	0.1	87
20250301_0423	0.1	124
20250301_0433	0.1	55
20250301_0443	0.1	23
20250301_0453	0.1	163
20250301_0503	0.1	133
20250301_0513	0.1	154
20250301_0523	0.1	223
20250301_0533	0.1	298
20250301_0543	0.1	114
20250301_0553	0.1	115
20250301_0603	0.1	110
20250301_0613	0.1	62
20250301_0623	0.1	107
20250301_0633	0.1	107
20250301_0643	0.1	107
20250301_0653	0.1	107
20250301_0703	0.1	29
20250301_0713	0.1	321
20250301_0723	0.1	127
20250301_0733	0.1	260
20250301_0743	0.1	142
20250301_0753	0.1	144
20250301_0803	0.1	139
20250301_0813	0.1	141
20250301_0823	0.1	145
20250301_0833	0.1	43
20250301_0843	0.1	220
20250301_0853	0.3	159
20250301_0903	0.1	121
20250301_0913	0.1	155
20250301_0923	0.1	48
20250301_0933	0.2	150
20250301_0943	0.1	319
20250301_0953	0.1	19
20250301_1003	0.3	34
20250301_1013	0.2	6
20250301_1023	1.6	65
20250301_1033	0.3	33
20250301_1043	0.2	107
20250301_1053	0.7	14
20250301_1103	0.1	179
20250301_1113	0.1	325
20250301_1123	0.1	144
20250301_1133	0.1	305
20250301_1143	0.1	21
20250301_1153	0.3	51

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250301_1203	0.9	48
20250301_1213	0.3	56
20250301_1223	0.1	316
20250301_1233	0.9	348
20250301_1243	0.1	200
20250301_1253	0.3	208
20250301_1303	0.1	57
20250301_1313	1.5	315
20250301_1323	0.1	104
20250301_1333	0.1	346
20250301_1343	0.1	7
20250301_1353	0.6	34
20250301_1403	0.3	16
20250301_1413	0.1	298
20250301_1423	0.8	53
20250301_1433	0.4	29
20250301_1443	0.6	49
20250301_1453	0.1	250
20250301_1503	0.4	20
20250301_1513	2	279
20250301_1523	5.7	167
20250301_1533	0.1	12
20250301_1543	0.7	334
20250301_1553	0.1	248
20250301_1603	0.1	282
20250301_1613	0.1	353
20250301_1623	0.9	147
20250301_1633	1	7
20250301_1643	2.4	341
20250301_1653	2.1	316
20250301_1703	0.8	28
20250301_1713	1	330
20250301_1723	2.5	347
20250301_1733	0.1	248
20250301_1743	1.9	328
20250301_1753	0.1	70
20250301_1803	1.9	320
20250301_1813	0.3	348
20250301_1823	0.2	338
20250301_1833	1.3	45
20250301_1843	1.4	130
20250301_1853	0.1	86
20250301_1903	0.1	84
20250301_1913	0.9	127
20250301_1923	0.1	302
20250301_1933	0.2	335
20250301_1943	0.2	335
20250301_1953	0.1	13
20250301_2003	0.1	134
20250301_2013	0.1	238
20250301_2023	0.1	334
20250301_2033	0.1	271
20250301_2043	1	316
20250301_2053	1.9	323
20250301_2103	2	107
20250301_2113	0.1	309
20250301_2123	0.4	116
20250301_2133	0.6	162
20250301_2143	0.1	65
20250301_2153	0.6	297
20250301_2203	0.9	4
20250301_2213	0.1	13
20250301_2223	0.1	353
20250301_2233	0.3	347
20250301_2243	0.3	70
20250301_2253	0.1	296
20250301_2303	0.2	231
20250301_2313	0.3	330
20250301_2323	0.1	102
20250301_2333	0.9	120
20250301_2343	0.1	314
20250301_2353	0.1	276

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250302_0003	0.4	57
20250302_0013	0.5	295
20250302_0023	0.2	179
20250302_0033	0.6	145
20250302_0043	0.1	41
20250302_0053	0.1	286
20250302_0103	0.1	325
20250302_0113	0.1	300
20250302_0123	0.2	300
20250302_0133	0.1	50
20250302_0143	0.1	276
20250302_0153	0.2	84
20250302_0203	0.1	68
20250302_0213	0.1	226
20250302_0223	0.1	91
20250302_0233	0.4	316
20250302_0243	3.2	126
20250302_0253	0.3	300
20250302_0303	1.3	80
20250302_0313	0.1	52
20250302_0323	0.1	67
20250302_0333	0.1	209
20250302_0343	0.1	167
20250302_0353	0.1	15
20250302_0403	0.1	325
20250302_0413	0.1	178
20250302_0423	0.2	309
20250302_0433	0.1	52
20250302_0443	0.1	68
20250302_0453	0.4	155
20250302_0503	0.6	142
20250302_0513	1.3	287
20250302_0523	0.8	5
20250302_0533	0.2	3
20250302_0543	0.1	311
20250302_0553	0.2	206
20250302_0603	1.4	312
20250302_0613	0.4	284
20250302_0623	0.2	321
20250302_0633	2.2	140
20250302_0643	0.1	150
20250302_0653	0.1	141
20250302_0703	1.3	304
20250302_0713	0.1	351
20250302_0723	0.1	137
20250302_0733	0.1	44
20250302_0743	0.1	200
20250302_0753	0.2	81
20250302_0803	0.1	96
20250302_0813	0.1	51
20250302_0823	0.1	4
20250302_0833	0.2	180
20250302_0843	0.1	225
20250302_0853	0.2	282
20250302_0903	0.1	10
20250302_0913	0.1	319
20250302_0923	0.3	355
20250302_0933	0.1	252
20250302_0943	2.3	344
20250302_0953	0.1	323
20250302_1003	0.2	17
20250302_1013	0.2	28
20250302_1023	0.1	107
20250302_1033	0.1	82
20250302_1043	0.2	257
20250302_1053	0.1	217
20250302_1103	0.1	293
20250302_1113	0.1	259
20250302_1123	0.1	290
20250302_1133	0.1	169
20250302_1143	0.1	143
20250302_1153	0.4	144

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250302_1203	0.5	351
20250302_1213	0.1	15
20250302_1223	0.5	146
20250302_1233	1	109
20250302_1243	0.9	33
20250302_1253	0.1	137
20250302_1303	0.1	134
20250302_1313	0.1	46
20250302_1323	0.1	134
20250302_1333	0.1	30
20250302_1343	0.1	11
20250302_1353	0.1	148
20250302_1403	0.1	83
20250302_1413	0.6	100
20250302_1423	0.2	127
20250302_1433	0.3	304
20250302_1443	0.2	137
20250302_1453	0.1	150
20250302_1503	0.6	169
20250302_1513	0.1	49
20250302_1523	0.1	129
20250302_1533	0.4	131
20250302_1543	1	131
20250302_1553	0.3	131
20250302_1603	0.1	133
20250302_1613	0.1	59
20250302_1623	0.3	184
20250302_1633	0.9	157
20250302_1643	0.3	156
20250302_1653	0.1	117
20250302_1703	0.1	130
20250302_1713	0.1	106
20250302_1723	0.1	40
20250302_1733	0.2	50
20250302_1743	0.1	142
20250302_1753	0.1	64
20250302_1803	0.1	83
20250302_1813	0.3	110
20250302_1823	0.1	59
20250302_1833	0.2	72
20250302_1843	0.1	68
20250302_1853	0.2	119
20250302_1903	0.6	72
20250302_1913	1.5	75
20250302_1923	0.3	84
20250302_1933	0.5	80
20250302_1943	0.8	23
20250302_1953	0.2	144
20250302_2003	0.4	141
20250302_2013	2.1	133
20250302_2023	0.4	115
20250302_2033	0.6	54
20250302_2043	0.5	59
20250302_2053	0.5	249
20250302_2103	1.2	67
20250302_2113	0.3	57
20250302_2123	0.2	104
20250302_2133	0.2	122
20250302_2143	0.2	95
20250302_2153	0.1	110
20250302_2203	0.4	105
20250302_2213	0.4	57
20250302_2223	0.1	78
20250302_2233	1.1	133
20250302_2243	0.1	37
20250302_2253	1.1	71
20250302_2303	0.3	190
20250302_2313	0.3	320
20250302_2323	0.1	133
20250302_2333	2.2	67
20250302_2343	0.1	120
20250302_2353	0.2	171

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250303_0003	0.1	94
20250303_0013	0.1	321
20250303_0023	0.1	65
20250303_0033	0.3	84
20250303_0043	2.6	56
20250303_0053	1.6	138
20250303_0103	1.7	119
20250303_0113	1.2	139
20250303_0123	0.1	150
20250303_0133	1.5	104
20250303_0143	0.3	206
20250303_0153	0.1	158
20250303_0203	0.1	130
20250303_0213	0.2	276
20250303_0223	0.1	0
20250303_0233	0.5	102
20250303_0243	0.1	76
20250303_0253	0.1	307
20250303_0303	0.5	183
20250303_0313	0.1	139
20250303_0323	0.1	120
20250303_0333	0.1	160
20250303_0343	0.1	161
20250303_0353	0.1	111
20250303_0403	0.1	100
20250303_0413	0.1	21
20250303_0423	0.1	52
20250303_0433	0.1	52
20250303_0443	0.1	175
20250303_0453	0.1	109
20250303_0503	0.1	71
20250303_0513	0.1	71
20250303_0523	0.1	66
20250303_0533	0.1	74
20250303_0543	0.1	154
20250303_0553	0.1	31
20250303_0603	0.1	328
20250303_0613	0.1	306
20250303_0623	0.1	138
20250303_0633	0.8	124
20250303_0643	0.2	127
20250303_0653	0.1	33
20250303_0703	0.1	92
20250303_0713	0.1	80
20250303_0723	0.1	114
20250303_0733	1.7	165
20250303_0743	1.3	115
20250303_0753	0.1	341
20250303_0803	0.2	135
20250303_0813	0.1	170
20250303_0823	0.1	120
20250303_0833	0.1	143
20250303_0843	0.1	353
20250303_0853	0.2	289
20250303_0903	0.5	126
20250303_0913	0.1	312
20250303_0923	0.7	327
20250303_0933	0.1	32
20250303_0943	0.1	71
20250303_0953	0.1	224
20250303_1003	0.1	134
20250303_1013	0.1	61
20250303_1023	0.2	334
20250303_1033	0.1	340
20250303_1043	0.1	167
20250303_1053	0.5	15
20250303_1103	1.1	128
20250303_1113	0.1	117
20250303_1123	0.1	149
20250303_1133	0.1	142
20250303_1143	1.3	120
20250303_1153	0.2	131

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250303_1203	0.1	124
20250303_1213	0.1	108
20250303_1223	0.2	217
20250303_1233	0.1	185
20250303_1243	0.8	251
20250303_1253	0.1	205
20250303_1303	0.8	303
20250303_1313	1.5	263
20250303_1323	0.1	221
20250303_1333	0.1	75
20250303_1343	0.4	66
20250303_1353	0.2	352
20250303_1403	0.1	39
20250303_1413	0.1	251
20250303_1423	1	140
20250303_1433	0.1	230
20250303_1443	0.1	86
20250303_1453	0.3	110
20250303_1503	0.2	87
20250303_1513	0.3	80
20250303_1523	0.1	258
20250303_1533	0.2	113
20250303_1543	0.1	126
20250303_1553	0.1	325
20250303_1603	0.1	31
20250303_1613	0.1	68
20250303_1623	0.1	102
20250303_1633	0.1	146
20250303_1643	0.1	153
20250303_1653	0.1	305
20250303_1703	0.1	339
20250303_1713	0.1	36
20250303_1723	0.1	117
20250303_1733	0.1	310
20250303_1743	0.1	82
20250303_1753	0.1	48
20250303_1803	0.1	103
20250303_1813	0.1	122
20250303_1823	0.1	121
20250303_1833	0.1	136
20250303_1843	0.1	144
20250303_1853	0.1	292
20250303_1903	0.1	81
20250303_1913	0.1	68
20250303_1923	0.1	100
20250303_1933	0.1	11
20250303_1943	0.1	119
20250303_1953	0.1	107
20250303_2003	0.1	26
20250303_2013	0.1	60
20250303_2023	0.1	44
20250303_2033	0.1	54
20250303_2043	0.1	70
20250303_2053	0.1	337
20250303_2103	0.1	27
20250303_2113	0.2	61
20250303_2123	0.1	35
20250303_2133	0.1	337
20250303_2143	0.1	121
20250303_2153	0.2	88
20250303_2203	0.5	22
20250303_2213	0.1	49
20250303_2223	0.5	45
20250303_2233	0.1	86
20250303_2243	0.1	46
20250303_2253	0.7	107
20250303_2303	1.6	54
20250303_2313	1.3	25
20250303_2323	0.3	33
20250303_2333	0.1	125
20250303_2343	0.1	210
20250303_2353	0.1	62

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250304_0003	0.1	94
20250304_0013	0.1	90
20250304_0023	0.1	307
20250304_0033	0.1	89
20250304_0043	0.1	59
20250304_0053	0.1	288
20250304_0103	0.1	287
20250304_0113	0.1	144
20250304_0123	0.1	193
20250304_0133	0.1	193
20250304_0143	0.1	133
20250304_0153	0.1	20
20250304_0203	0.1	241
20250304_0213	0.1	117
20250304_0223	0.1	131
20250304_0233	0.1	152
20250304_0243	0.1	50
20250304_0253	0.1	104
20250304_0303	0.1	45
20250304_0313	0.1	140
20250304_0323	0.1	119
20250304_0333	0.1	141
20250304_0343	0.1	138
20250304_0353	0.1	300
20250304_0403	0.1	136
20250304_0413	0.1	155
20250304_0423	0.1	100
20250304_0433	0.1	94
20250304_0443	0.1	133
20250304_0453	0.1	153
20250304_0503	0.1	311
20250304_0513	0.1	146
20250304_0523	0.1	54
20250304_0533	0.1	98
20250304_0543	0.1	132
20250304_0553	0.1	290
20250304_0603	1.6	36
20250304_0613	0.1	105
20250304_0623	0.1	27
20250304_0633	1.5	128
20250304_0643	0.1	167
20250304_0653	0.1	52
20250304_0703	0.1	73
20250304_0713	0.1	84
20250304_0723	0.5	326
20250304_0733	0.1	162
20250304_0743	0.2	105
20250304_0753	0.1	231
20250304_0803	0.6	343
20250304_0813	0.1	175
20250304_0823	0.1	121
20250304_0833	0.1	343
20250304_0843	0.1	288
20250304_0853	0.1	231
20250304_0903	0.1	0
20250304_0913	0.1	316
20250304_0923	0.1	76
20250304_0933	0.1	99
20250304_0943	0.1	327
20250304_0953	0.1	352
20250304_1003	0.1	159
20250304_1013	0.1	279
20250304_1023	0.1	100
20250304_1033	0.1	270
20250304_1043	0.1	55
20250304_1053	0.1	64
20250304_1103	0.1	104
20250304_1113	0.6	154
20250304_1123	0.3	253
20250304_1133	0.1	47
20250304_1143	0.1	47
20250304_1153	0.1	1

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250304_1203	0.1	62
20250304_1213	0.1	345
20250304_1223	0.1	70
20250304_1233	0.1	46
20250304_1243	0.1	87
20250304_1253	0.1	72
20250304_1303	0.1	216
20250304_1313	0.1	145
20250304_1323	0.1	324
20250304_1333	0.1	168
20250304_1343	0.1	62
20250304_1353	0.1	161
20250304_1403	0.7	120
20250304_1413	0.1	107
20250304_1423	1.7	129
20250304_1433	0.1	344
20250304_1443	0.1	294
20250304_1453	0.3	127
20250304_1503	0.2	139
20250304_1513	0.1	282
20250304_1523	0.1	74
20250304_1533	0.1	346
20250304_1543	0.1	99
20250304_1553	0.1	286
20250304_1603	0.1	91
20250304_1613	0.1	128
20250304_1623	0.1	208
20250304_1633	0.1	117
20250304_1643	0.1	114
20250304_1653	0.1	118
20250304_1703	0.1	50
20250304_1713	0.1	37
20250304_1723	0.2	104
20250304_1733	0.1	63
20250304_1743	0.1	104
20250304_1753	0.5	134
20250304_1803	0.3	132
20250304_1813	0.1	237
20250304_1823	0.1	276
20250304_1833	0.1	4
20250304_1843	0.1	141
20250304_1853	0.1	150
20250304_1903	0.1	105
20250304_1913	0.1	250
20250304_1923	0.1	145
20250304_1933	0.1	293
20250304_1943	0.1	121
20250304_1953	0.1	257
20250304_2003	0.1	134
20250304_2013	0.1	110
20250304_2023	0.1	124
20250304_2033	0.1	129
20250304_2043	0.1	114
20250304_2053	0.1	94
20250304_2103	0.1	14
20250304_2113	0.1	272
20250304_2123	0.2	109
20250304_2133	0.1	321
20250304_2143	0.5	332
20250304_2153	0.1	314
20250304_2203	0.1	200
20250304_2213	0.1	339
20250304_2223	0.1	265
20250304_2233	0.1	329
20250304_2243	0.5	289
20250304_2253	0.1	144
20250304_2303	0.1	121
20250304_2313	0.1	167
20250304_2323	0.1	135
20250304_2333	0.1	270
20250304_2343	0.4	93
20250304_2353	0.1	254

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250305_0003	0.3	158
20250305_0013	0.1	263
20250305_0023	0.1	132
20250305_0033	0.1	272
20250305_0043	0.1	146
20250305_0053	0.1	164
20250305_0103	0.1	141
20250305_0113	0.1	287
20250305_0123	0.1	115
20250305_0133	0.1	127
20250305_0143	0.1	258
20250305_0153	0.1	111
20250305_0203	0.1	283
20250305_0213	0.1	327
20250305_0223	0.1	315
20250305_0233	0.1	151
20250305_0243	0.1	63
20250305_0253	0.1	240
20250305_0303	0.1	139
20250305_0313	0.1	258
20250305_0323	0.1	322
20250305_0333	0.1	304
20250305_0343	0.1	166
20250305_0353	0.2	268
20250305_0403	0.1	132
20250305_0413	0.1	134
20250305_0423	0.1	39
20250305_0433	0.1	130
20250305_0443	0.1	129
20250305_0453	0.1	282
20250305_0503	0.1	279
20250305_0513	0.1	325
20250305_0523	0.1	11
20250305_0533	0.1	127
20250305_0543	0.1	110
20250305_0553	0.2	144
20250305_0603	0.1	180
20250305_0613	0.1	138
20250305_0623	0.1	130
20250305_0633	0.1	131
20250305_0643	0.1	319
20250305_0653	0.1	254
20250305_0703	0.1	141
20250305_0713	0.1	79
20250305_0723	0.1	125
20250305_0733	0.1	78
20250305_0743	0.1	44
20250305_0753	0.1	310
20250305_0803	0.1	153
20250305_0813	0.1	143
20250305_0823	0.1	310
20250305_0833	0.9	76
20250305_0843	0.3	132
20250305_0853	0.1	37
20250305_0903	0.1	326
20250305_0913	0.1	346
20250305_0923	0.1	282
20250305_0933	0.1	330
20250305_0943	0.1	148
20250305_0953	0.2	138
20250305_1003	0.1	168
20250305_1013	0.1	115
20250305_1023	0.1	97
20250305_1033	0.3	111
20250305_1043	0.1	124
20250305_1053	0.1	26
20250305_1103	0.2	287
20250305_1113	0.1	287
20250305_1123	0.1	307
20250305_1133	0.1	321
20250305_1143	0.3	122
20250305_1153	0.1	159

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250305_1203	0.4	45
20250305_1213	0.1	144
20250305_1223	0.1	146
20250305_1233	0.1	117
20250305_1243	0.1	121
20250305_1253	0.1	35
20250305_1303	0.1	141
20250305_1313	0.1	143
20250305_1323	0.1	202
20250305_1333	0.1	275
20250305_1343	0.1	100
20250305_1353	0.1	127
20250305_1403	0.1	251
20250305_1413	0.1	24
20250305_1423	0.1	130
20250305_1433	0.1	80
20250305_1443	0.1	45
20250305_1453	0.6	150
20250305_1503	0.1	73
20250305_1513	0.1	335
20250305_1523	0.1	27
20250305_1533	0.6	142
20250305_1543	0.1	87
20250305_1553	0.1	46
20250305_1603	0.2	110
20250305_1613	0.1	211
20250305_1623	0.6	136
20250305_1633	0.1	142
20250305_1643	0.1	8
20250305_1653	0.1	151
20250305_1703	0.1	121
20250305_1713	0.1	273
20250305_1723	0.1	56
20250305_1733	0.1	91
20250305_1743	0.1	89
20250305_1753	0.1	57
20250305_1803	0.1	38
20250305_1813	0.1	316
20250305_1823	0.1	298
20250305_1833	0.1	285
20250305_1843	0.1	137
20250305_1853	0.1	149
20250305_1903	0.1	313
20250305_1913	0.1	325
20250305_1923	0.1	110
20250305_1933	0.1	192
20250305_1943	0.1	149
20250305_1953	0.1	211
20250305_2003	0.1	290
20250305_2013	0.1	136
20250305_2023	0.1	94
20250305_2033	0.1	141
20250305_2043	0.1	88
20250305_2053	0.1	148
20250305_2103	0.1	121
20250305_2113	0.1	304
20250305_2123	0.1	128
20250305_2133	0.1	139
20250305_2143	0.1	124
20250305_2153	0.1	309
20250305_2203	0.1	169
20250305_2213	0.1	281
20250305_2223	0.1	143
20250305_2233	0.1	142
20250305_2243	0.1	307
20250305_2253	0.3	67
20250305_2303	0.1	58
20250305_2313	0.1	281
20250305_2323	0.1	124
20250305_2333	0.6	2
20250305_2343	0.2	5
20250305_2353	0.1	134

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250306_0003	0.2	102
20250306_0013	0.1	336
20250306_0023	0.2	338
20250306_0033	0.1	22
20250306_0043	0.1	54
20250306_0053	0.1	108
20250306_0103	0.4	64
20250306_0113	0.1	165
20250306_0123	0.1	19
20250306_0133	0.8	290
20250306_0143	0.1	145
20250306_0153	0.1	46
20250306_0203	0.1	103
20250306_0213	0.1	219
20250306_0223	0.1	87
20250306_0233	0.1	281
20250306_0243	0.1	340
20250306_0253	0.1	159
20250306_0303	0.1	141
20250306_0313	0.1	128
20250306_0323	0.1	142
20250306_0333	0.1	140
20250306_0343	0.1	77
20250306_0353	0.1	115
20250306_0403	0.1	107
20250306_0413	0.1	168
20250306_0423	0.1	1
20250306_0433	0.1	78
20250306_0443	0.1	141
20250306_0453	0.1	259
20250306_0503	0.8	321
20250306_0513	1.6	19
20250306_0523	0.1	351
20250306_0533	0.1	322
20250306_0543	0.1	106
20250306_0553	0.1	251
20250306_0603	0.1	289
20250306_0613	0.1	344
20250306_0623	0.1	163
20250306_0633	0.1	307
20250306_0643	0.1	68
20250306_0653	0.1	158
20250306_0703	0.1	134
20250306_0713	0.1	265
20250306_0723	0.1	132
20250306_0733	0.1	301
20250306_0743	0.1	74
20250306_0753	0.1	125
20250306_0803	0.1	126
20250306_0813	0.1	330
20250306_0823	0.2	102
20250306_0833	0.1	204
20250306_0843	0.1	203
20250306_0853	0.1	339
20250306_0903	0.1	300
20250306_0913	0.1	142
20250306_0923	0.1	122
20250306_0933	0.2	124
20250306_0943	0.3	12
20250306_0953	0.1	58
20250306_1003	0.5	31
20250306_1013	1.4	254
20250306_1023	0.3	334
20250306_1033	2.4	312
20250306_1043	0.3	122
20250306_1053	1.8	36
20250306_1103	0.2	305
20250306_1113	0.1	140
20250306_1123	1.1	16
20250306_1133	0.1	334
20250306_1143	0.6	5
20250306_1153	0.1	318

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250306_1203	0.1	331
20250306_1213	1	312
20250306_1223	0.1	325
20250306_1233	0.7	275
20250306_1243	0.1	193
20250306_1253	0.2	102
20250306_1303	0.1	180
20250306_1313	1.4	345
20250306_1323	0.1	327
20250306_1333	0.1	17
20250306_1343	1.4	333
20250306_1353	0.5	4
20250306_1403	0.4	329
20250306_1413	0.1	333
20250306_1423	0.1	75
20250306_1433	0.3	97
20250306_1443	2.4	306
20250306_1453	0.7	292
20250306_1503	0.1	327
20250306_1513	0.1	301
20250306_1523	0.5	282
20250306_1533	3.2	320
20250306_1543	0.1	348
20250306_1553	0.1	162
20250306_1603	0.1	348
20250306_1613	0.2	347
20250306_1623	0.1	112
20250306_1633	0.1	350
20250306_1643	0.1	0
20250306_1653	0.1	43
20250306_1703	0.1	178
20250306_1713	0.1	146
20250306_1723	0.1	129
20250306_1733	0.1	32
20250306_1743	0.2	276
20250306_1753	0.3	316
20250306_1803	0.5	320
20250306_1813	0.1	65
20250306_1823	0.1	5
20250306_1833	0.1	311
20250306_1843	0.1	294
20250306_1853	0.2	331
20250306_1903	0.3	312
20250306_1913	1.2	327
20250306_1923	0.1	334
20250306_1933	1.1	297
20250306_1943	0.1	353
20250306_1953	0.2	303
20250306_2003	0.5	325
20250306_2013	2.4	296
20250306_2023	0.1	341
20250306_2033	0.1	321
20250306_2043	0.1	33
20250306_2053	0.1	273
20250306_2103	0.3	6
20250306_2113	1.5	301
20250306_2123	0.1	71
20250306_2133	0.2	315
20250306_2143	0.3	303
20250306_2153	2.1	302
20250306_2203	0.1	294
20250306_2213	0.1	295
20250306_2223	0.1	296
20250306_2233	0.2	324
20250306_2243	1	11
20250306_2253	0.1	304
20250306_2303	0.3	352
20250306_2313	0.1	332
20250306_2323	0.1	4
20250306_2333	5.2	330
20250306_2343	0.2	337
20250306_2353	0.1	348

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250307_0003	0.2	331
20250307_0013	0.1	330
20250307_0023	0.1	298
20250307_0033	0.1	119
20250307_0043	0.1	138
20250307_0053	0.1	117
20250307_0103	0.1	68
20250307_0113	0.1	235
20250307_0123	0.1	103
20250307_0133	0.1	285
20250307_0143	0.1	142
20250307_0153	0.1	137
20250307_0203	0.1	165
20250307_0213	0.1	97
20250307_0223	0.1	35
20250307_0233	0.1	151
20250307_0243	0.1	259
20250307_0253	0.1	76
20250307_0303	0.1	313
20250307_0313	0.1	154
20250307_0323	0.1	74
20250307_0333	0.1	68
20250307_0343	0.1	266
20250307_0353	0.1	157
20250307_0403	0.1	50
20250307_0413	0.1	138
20250307_0423	0.1	311
20250307_0433	0.1	93
20250307_0443	0.1	153
20250307_0453	0.1	89
20250307_0503	0.1	102
20250307_0513	0.1	141
20250307_0523	0.1	122
20250307_0533	0.1	116
20250307_0543	0.1	281
20250307_0553	0.1	147
20250307_0603	0.1	116
20250307_0613	0.1	312
20250307_0623	0.1	165
20250307_0633	0.1	136
20250307_0643	0.1	116
20250307_0653	0.1	205
20250307_0703	0.1	247
20250307_0713	0.1	150
20250307_0723	0.1	153
20250307_0733	0.1	244
20250307_0743	0.1	18
20250307_0753	0.1	88
20250307_0803	0.1	102
20250307_0813	0.1	28
20250307_0823	0.1	34
20250307_0833	0.2	35
20250307_0843	0.1	313
20250307_0853	0.1	325
20250307_0903	0.1	113
20250307_0913	0.3	97
20250307_0923	2	36
20250307_0933	0.1	76
20250307_0943	0.1	339
20250307_0953	0.6	338
20250307_1003	0.3	116
20250307_1013	0.3	40
20250307_1023	0.4	82
20250307_1033	1.3	110
20250307_1043	0.9	108
20250307_1053	2.6	110
20250307_1103	0.1	275
20250307_1113	0.1	157
20250307_1123	0.1	143
20250307_1133	0.8	43
20250307_1143	0.1	10
20250307_1153	0.1	21

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250307_1203	0.4	56
20250307_1213	0.1	15
20250307_1223	0.4	9
20250307_1233	1.6	50
20250307_1243	0.6	288
20250307_1253	0.1	346
20250307_1303	0.1	225
20250307_1313	0.1	241
20250307_1323	0.2	296
20250307_1333	0.1	32
20250307_1343	0.2	7.6
20250307_1353	0.2	312.8
20250307_1403	0.3	15.9
20250307_1413	0.1	12.3
20250307_1423	0.3	293.4
20250307_1433	0.1	0
20250307_1443	0.6	352
20250307_1453	0.1	330
20250307_1503	0.1	281
20250307_1513	0.1	331
20250307_1523	2.7	320
20250307_1533	0.1	168
20250307_1543	0.1	11
20250307_1553	0.1	300
20250307_1603	0.1	79
20250307_1613	0.7	278
20250307_1623	0.4	294
20250307_1633	0.4	314
20250307_1643	0.3	321
20250307_1653	0.1	314
20250307_1703	0.1	150
20250307_1713	0.1	74
20250307_1723	0.1	176
20250307_1733	0.2	145
20250307_1743	0.1	147
20250307_1753	0.1	286
20250307_1803	0.1	143
20250307_1813	0.1	140
20250307_1823	0.1	285
20250307_1833	0.1	158
20250307_1843	0.1	147
20250307_1853	0.1	143
20250307_1903	0.1	117
20250307_1913	0.1	105
20250307_1923	0.1	94
20250307_1933	0.1	166
20250307_1943	0.1	146
20250307_1953	0.1	296
20250307_2003	0.1	284
20250307_2013	0.1	147
20250307_2023	0.1	148
20250307_2033	0.1	280
20250307_2043	0.1	278
20250307_2053	0.1	127
20250307_2103	0.1	109
20250307_2113	0.1	113
20250307_2123	0.1	144
20250307_2133	0.1	144
20250307_2143	0.1	278
20250307_2153	0.1	178
20250307_2203	0.1	255
20250307_2213	0.1	275
20250307_2223	0.1	113
20250307_2233	0.1	270
20250307_2243	0.1	281
20250307_2253	0.1	132
20250307_2303	0.1	138
20250307_2313	0.1	6
20250307_2323	0.1	297
20250307_2333	0.1	82
20250307_2343	0.1	104
20250307_2353	0.1	141

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250308_0003	0.1	122
20250308_0013	0.1	129
20250308_0023	0.1	142
20250308_0033	0.1	147
20250308_0043	0.1	149
20250308_0053	0.1	136
20250308_0103	0.1	76
20250308_0113	0.1	99
20250308_0123	0.1	145
20250308_0133	0.1	151
20250308_0143	0.1	93
20250308_0153	0.1	148
20250308_0203	0.1	162
20250308_0213	0.1	281
20250308_0223	0.1	335
20250308_0233	0.1	174
20250308_0243	0.1	123
20250308_0253	0.1	109
20250308_0303	0.1	99
20250308_0313	0.1	294
20250308_0323	0.1	138
20250308_0333	0.1	144
20250308_0343	0.1	325
20250308_0353	0.1	146
20250308_0403	0.1	157
20250308_0413	0.1	152
20250308_0423	0.1	114
20250308_0433	0.1	122
20250308_0443	0.1	114
20250308_0453	0.1	28
20250308_0503	0.1	84
20250308_0513	0.1	155
20250308_0523	0.1	321
20250308_0533	0.1	84
20250308_0543	0.1	247
20250308_0553	0.1	144
20250308_0603	0.1	157
20250308_0613	0.1	174
20250308_0623	0.1	145
20250308_0633	0.1	95
20250308_0643	0.1	268
20250308_0653	0.1	132
20250308_0703	0.1	95
20250308_0713	0.1	239
20250308_0723	0.1	124
20250308_0733	0.1	84
20250308_0743	0.1	137
20250308_0753	0.1	147
20250308_0803	0.1	127
20250308_0813	0.1	351
20250308_0823	0.1	173
20250308_0833	0.1	302
20250308_0843	0.1	167
20250308_0853	0.1	108
20250308_0903	1	328
20250308_0913	0.2	117
20250308_0923	0.1	59
20250308_0933	0.6	22
20250308_0943	0.4	61
20250308_0953	0.1	206
20250308_1003	1.4	109
20250308_1013	0.1	299
20250308_1023	0.1	42
20250308_1033	0.1	63
20250308_1043	0.1	178
20250308_1053	0.1	306
20250308_1103	0.1	283
20250308_1113	0.1	323
20250308_1123	0.1	176
20250308_1133	0.1	55
20250308_1143	0.1	143
20250308_1153	0.7	293

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250308_1203	0.2	258
20250308_1213	0.3	278
20250308_1223	0.2	134
20250308_1233	0.7	79
20250308_1243	1	139
20250308_1253	0.1	223
20250308_1303	1.2	280
20250308_1313	0.1	170
20250308_1323	0.1	244
20250308_1333	0.1	78
20250308_1343	0.1	125
20250308_1353	2.5	135
20250308_1403	0.2	146
20250308_1413	0.1	281
20250308_1423	0.1	208
20250308_1433	0.1	330
20250308_1443	0.1	325
20250308_1453	0.1	280
20250308_1503	0.1	153
20250308_1513	0.1	53
20250308_1523	0.1	212
20250308_1533	0.2	126
20250308_1543	0.1	341
20250308_1553	0.1	151
20250308_1603	0.2	63
20250308_1613	0.1	25
20250308_1623	0.1	123
20250308_1633	0.1	277
20250308_1643	0.2	155
20250308_1653	0.1	20
20250308_1703	0.1	38
20250308_1713	0.1	269
20250308_1723	0.2	92
20250308_1733	0.1	90
20250308_1743	0.1	352
20250308_1753	0.1	187
20250308_1803	0.1	118
20250308_1813	0.1	129
20250308_1823	0.1	124
20250308_1833	0.1	143
20250308_1843	0.1	354
20250308_1853	0.1	120
20250308_1903	0.1	132
20250308_1913	0.1	131
20250308_1923	0.1	30
20250308_1933	0.1	163
20250308_1943	0.1	323
20250308_1953	0.1	126
20250308_2003	0.1	2
20250308_2013	0.1	55
20250308_2023	0.1	318
20250308_2033	0.1	53
20250308_2043	0.1	55
20250308_2053	0.1	33
20250308_2103	0.1	35
20250308_2113	0.1	94
20250308_2123	0.1	17
20250308_2133	0.1	355
20250308_2143	0.1	88
20250308_2153	0.1	328
20250308_2203	0.1	339
20250308_2213	0.1	105
20250308_2223	0.1	5
20250308_2233	0.1	335
20250308_2243	0.3	73
20250308_2253	0.1	175
20250308_2303	0.1	80
20250308_2313	0.1	198
20250308_2323	0.1	137
20250308_2333	0.1	149
20250308_2343	0.2	64
20250308_2353	0.1	309

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250309_0003	0.1	343
20250309_0013	0.1	209
20250309_0023	0.4	118
20250309_0033	0.1	76
20250309_0043	0.1	9
20250309_0053	0.1	36
20250309_0103	0.4	49
20250309_0113	0.1	285
20250309_0123	0.1	353
20250309_0133	0.1	126
20250309_0143	0.1	106
20250309_0153	0.5	144
20250309_0203	0.1	341
20250309_0213	0.1	289
20250309_0223	0.5	138
20250309_0233	0.1	104
20250309_0243	0.1	297
20250309_0253	0.1	259
20250309_0303	0.1	107
20250309_0313	0.4	159
20250309_0323	1	52
20250309_0333	0.1	3
20250309_0343	0.1	338
20250309_0353	1.1	139
20250309_0403	0.1	189
20250309_0413	0.1	285
20250309_0423	0.1	35
20250309_0433	0.1	161
20250309_0443	0.1	267
20250309_0453	0.1	21
20250309_0503	0.1	109
20250309_0513	0.1	116
20250309_0523	0.2	119
20250309_0533	0.1	288
20250309_0543	0.1	149
20250309_0553	0.2	148
20250309_0603	0.1	156
20250309_0613	0.1	154
20250309_0623	0.1	135
20250309_0633	0.1	253
20250309_0643	0.1	128
20250309_0653	0.1	42
20250309_0703	0.5	132
20250309_0713	0.1	214
20250309_0723	0.6	100
20250309_0733	0.7	138
20250309_0743	0.1	140
20250309_0753	0.1	162
20250309_0803	0.1	141
20250309_0813	0.1	350
20250309_0823	0.4	110
20250309_0833	0.4	41
20250309_0843	0.1	35
20250309_0853	0.1	323
20250309_0903	0.2	40
20250309_0913	1.9	71
20250309_0923	0.4	48
20250309_0933	0.1	115
20250309_0943	0.4	141
20250309_0953	0.1	308
20250309_1003	0.9	112
20250309_1013	1.9	55
20250309_1023	0.4	20
20250309_1033	0.1	58
20250309_1043	0.9	152
20250309_1053	0.8	118
20250309_1103	0.1	338
20250309_1113	4.1	116
20250309_1123	0.1	135
20250309_1133	1	134
20250309_1143	0.9	124
20250309_1153	1.1	87

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250309_1203	1.1	88
20250309_1213	0.1	333
20250309_1223	1.3	326
20250309_1233	0.3	81
20250309_1243	0.1	82
20250309_1253	1.5	135
20250309_1303	0.2	150
20250309_1313	0.2	58
20250309_1323	0.4	144
20250309_1333	8.5	134
20250309_1343	0.1	44
20250309_1353	0.2	337
20250309_1403	0.3	55
20250309_1413	2.4	308
20250309_1423	0.2	49
20250309_1433	0.4	274
20250309_1443	0.2	91
20250309_1453	2.7	117
20250309_1503	0.1	30
20250309_1513	1.3	7
20250309_1523	0.1	80
20250309_1533	0.1	185
20250309_1543	0.1	176
20250309_1553	0.4	323
20250309_1603	1.2	7
20250309_1613	1.1	353
20250309_1623	1.8	158
20250309_1633	1.4	131
20250309_1643	0.2	117
20250309_1653	0.5	8
20250309_1703	0.1	83
20250309_1713	1.2	41
20250309_1723	0.1	204
20250309_1733	0.5	160
20250309_1743	0.1	142
20250309_1753	0.1	139
20250309_1803	0.1	122
20250309_1813	0.1	87
20250309_1823	0.3	312
20250309_1833	0.1	348
20250309_1843	0.1	310
20250309_1853	0.1	229
20250309_1903	0.1	318
20250309_1913	0.1	283
20250309_1923	0.1	127
20250309_1933	0.1	116
20250309_1943	0.3	148
20250309_1953	0.1	276
20250309_2003	0.1	339
20250309_2013	0.1	22
20250309_2023	0.1	43
20250309_2033	0.1	206
20250309_2043	0.6	105
20250309_2053	0.1	176
20250309_2103	0.4	226
20250309_2113	0.1	63
20250309_2123	1.8	151
20250309_2133	0.2	135
20250309_2143	0.1	339
20250309_2153	0.1	129
20250309_2203	0.1	17
20250309_2213	0.2	150
20250309_2223	0.6	141
20250309_2233	0.1	228
20250309_2243	1.8	152
20250309_2253	2.5	196
20250309_2303	0.1	110
20250309_2313	0.1	76
20250309_2323	0.1	72
20250309_2333	0.1	90
20250309_2343	0.1	272
20250309_2353	0.1	319

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250310_0003	0.1	85
20250310_0013	0.5	145
20250310_0023	0.2	213
20250310_0033	0.6	127
20250310_0043	0.1	343
20250310_0053	0.1	277
20250310_0103	0.1	101
20250310_0113	0.1	153
20250310_0123	0.1	167
20250310_0133	0.1	323
20250310_0143	0.1	328
20250310_0153	0.1	144
20250310_0203	0.1	149
20250310_0213	0.1	136
20250310_0223	0.1	282
20250310_0233	0.1	51
20250310_0243	0.1	328
20250310_0253	0.2	128
20250310_0303	0.1	247
20250310_0313	0.1	89
20250310_0323	0.1	150
20250310_0333	0.1	137
20250310_0343	0.1	108
20250310_0353	0.1	108
20250310_0403	0.1	182
20250310_0413	0.1	45
20250310_0423	0.1	112
20250310_0433	0.1	110
20250310_0443	0.1	96
20250310_0453	0.1	176
20250310_0503	1	132
20250310_0513	0.2	99
20250310_0523	0.4	88
20250310_0533	1.1	94
20250310_0543	0.6	127
20250310_0553	1.9	146
20250310_0603	0.1	34
20250310_0613	1.1	157
20250310_0623	0.4	120
20250310_0633	0.1	191
20250310_0643	0.1	251
20250310_0653	0.4	300
20250310_0703	0.1	275
20250310_0713	1.3	61
20250310_0723	0.1	3
20250310_0733	0.7	165
20250310_0743	7.6	145
20250310_0753	0.2	167
20250310_0803	0.1	355
20250310_0813	0.1	52
20250310_0823	0.4	160
20250310_0833	0.9	158
20250310_0843	1.2	19
20250310_0853	1.2	308
20250310_0903	1.1	89
20250310_0913	0.2	144
20250310_0923	0.1	95
20250310_0933	0.1	347
20250310_0943	0.1	287
20250310_0953	0.1	258
20250310_1003	0.1	72
20250310_1013	0.5	103
20250310_1023	0.1	248
20250310_1033	0.1	218
20250310_1043	0.1	181
20250310_1053	0.2	326
20250310_1103	0.6	110
20250310_1113	0.1	213
20250310_1123	0.9	112
20250310_1133	3.5	187
20250310_1143	0.4	294
20250310_1153	1.1	284

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250310_1203	0.1	10
20250310_1213	1.3	177
20250310_1223	0.1	74
20250310_1233	0.1	237
20250310_1243	0.5	27
20250310_1253	6.3	146
20250310_1303	5.7	127
20250310_1313	2.3	137
20250310_1323	0.2	109
20250310_1333	1.2	349
20250310_1343	4.4	18
20250310_1353	1.5	48
20250310_1403	0.2	19
20250310_1413	0.1	68
20250310_1423	2.2	10
20250310_1433	0.3	69
20250310_1443	0.2	269
20250310_1453	0.1	109
20250310_1503	0.2	10
20250310_1513	0.5	35
20250310_1523	0.1	24
20250310_1533	0.1	252
20250310_1543	0.1	214
20250310_1553	0.6	61
20250310_1603	0.1	315
20250310_1613	3.4	41
20250310_1623	0.3	17
20250310_1633	1.3	58
20250310_1643	3	14
20250310_1653	0.6	330
20250310_1703	0.3	327
20250310_1713	0.3	37
20250310_1723	0.3	336
20250310_1733	0.3	8
20250310_1743	1.2	75
20250310_1753	0.6	162
20250310_1803	0.2	66
20250310_1813	1.8	106
20250310_1823	0.9	121
20250310_1833	0.2	100
20250310_1843	0.1	149
20250310_1853	0.1	114
20250310_1903	0.2	143
20250310_1913	0.1	34
20250310_1923	0.2	304
20250310_1933	0.3	142
20250310_1943	0.1	324
20250310_1953	0.1	133
20250310_2003	1.2	111
20250310_2013	1.3	115
20250310_2023	0.3	120
20250310_2033	0.1	321
20250310_2043	0.7	89
20250310_2053	0.1	18
20250310_2103	0.1	307
20250310_2113	0.1	89
20250310_2123	0.3	126
20250310_2133	0.2	338
20250310_2143	0.4	149
20250310_2153	0.5	86
20250310_2203	0.1	154
20250310_2213	0.1	249
20250310_2223	0.1	238
20250310_2233	0.6	130
20250310_2243	0.3	99
20250310_2253	0.1	0
20250310_2303	0.1	166
20250310_2313	0.8	113
20250310_2323	0.2	346
20250310_2333	0.1	84
20250310_2343	0.1	130
20250310_2353	3.5	124

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250311_0003	0.1	109
20250311_0013	0.1	306
20250311_0023	0.8	316
20250311_0033	0.2	109
20250311_0043	0.1	21
20250311_0053	0.1	162
20250311_0103	0.1	73
20250311_0113	0.1	317
20250311_0123	0.1	281
20250311_0133	0.2	148
20250311_0143	0.3	79
20250311_0153	0.1	270
20250311_0203	0.1	282
20250311_0213	0.1	30
20250311_0223	0.1	54
20250311_0233	0.1	96
20250311_0243	0.1	258
20250311_0253	0.1	151
20250311_0303	0.1	102
20250311_0313	0.1	128
20250311_0323	0.1	255
20250311_0333	0.1	140
20250311_0343	0.1	344
20250311_0353	0.1	287
20250311_0403	0.1	61
20250311_0413	0.1	144
20250311_0423	0.1	81
20250311_0433	0.1	298
20250311_0443	0.1	60
20250311_0453	0.1	148
20250311_0503	0.1	9
20250311_0513	0.1	353
20250311_0523	0.1	62
20250311_0533	0.1	71
20250311_0543	0.1	171
20250311_0553	0.1	287
20250311_0603	0.1	24
20250311_0613	0.1	287
20250311_0623	0.1	258
20250311_0633	0.1	79
20250311_0643	0.1	36
20250311_0653	0.1	143
20250311_0703	0.1	311
20250311_0713	0.1	147
20250311_0723	0.1	148
20250311_0733	0.1	157
20250311_0743	0.1	145
20250311_0753	0.1	139
20250311_0803	0.1	92
20250311_0813	0.1	139
20250311_0823	0.1	132
20250311_0833	0.1	150
20250311_0843	0.1	135
20250311_0853	0.1	60
20250311_0903	0.1	149
20250311_0913	0.1	148
20250311_0923	0.1	137
20250311_0933	0.1	199
20250311_0943	0.2	281
20250311_0953	0.1	6
20250311_1003	0.3	139
20250311_1013	2.2	111
20250311_1023	0.4	140
20250311_1033	0.1	56
20250311_1043	0.1	37
20250311_1053	0.2	344
20250311_1103	1.5	174
20250311_1113	0.1	106
20250311_1123	1.3	41
20250311_1133	0.1	160
20250311_1143	0.1	87
20250311_1153	0.1	269

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250311_1203	0.1	7
20250311_1213	0.1	1
20250311_1223	1.5	130
20250311_1233	1.1	125
20250311_1243	0.2	220
20250311_1253	1.6	337
20250311_1303	0.1	2
20250311_1313	0.5	121
20250311_1323	0.2	45
20250311_1333	0.2	18
20250311_1343	4.4	78
20250311_1353	0.7	344
20250311_1403	0.1	211
20250311_1413	0.1	354
20250311_1423	0.2	14
20250311_1433	1.2	22
20250311_1443	0.2	334
20250311_1453	0.8	93
20250311_1503	0.8	14
20250311_1513	0.2	160
20250311_1523	0.7	352
20250311_1533	1.5	351
20250311_1543	0.1	143
20250311_1553	0.9	151
20250311_1603	0.1	180
20250311_1613	1.1	35
20250311_1623	0.3	325
20250311_1633	0.4	95
20250311_1643	0.2	355
20250311_1653	0.5	130
20250311_1703	0.7	50
20250311_1713	0.1	27
20250311_1723	0.1	344
20250311_1733	1.7	50
20250311_1743	0.2	154
20250311_1753	0.2	131
20250311_1803	0.1	327
20250311_1813	0.1	127
20250311_1823	0.1	25
20250311_1833	0.8	324
20250311_1843	3.6	173
20250311_1853	0.3	194
20250311_1903	0.2	21
20250311_1913	2.3	86
20250311_1923	0.1	36
20250311_1933	0.1	321
20250311_1943	0.3	84
20250311_1953	0.3	135
20250311_2003	0.1	59
20250311_2013	0.1	182
20250311_2023	0.2	350
20250311_2033	0.1	60
20250311_2043	0.6	287
20250311_2053	1.4	114
20250311_2103	0.1	16
20250311_2113	0.4	108
20250311_2123	1.3	134
20250311_2133	0.1	54
20250311_2143	0.6	102
20250311_2153	0.1	309
20250311_2203	0.5	332
20250311_2213	0.2	339
20250311_2223	1.1	117
20250311_2233	0.1	232
20250311_2243	0.1	109
20250311_2253	0.5	139
20250311_2303	0.1	272
20250311_2313	2.7	65
20250311_2323	0.7	166
20250311_2333	1.6	113
20250311_2343	0.1	144
20250311_2353	1.5	153

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250312_0003	1.8	133
20250312_0013	0.2	162
20250312_0023	2	108
20250312_0033	3.4	80
20250312_0043	0.4	158
20250312_0053	0.3	116
20250312_0103	0.4	33
20250312_0113	0.8	107
20250312_0123	2.3	146
20250312_0133	0.1	89
20250312_0143	0.1	346
20250312_0153	2.1	79
20250312_0203	3.8	119
20250312_0213	3.5	156
20250312_0223	0.1	92
20250312_0233	1.6	125
20250312_0243	1	123
20250312_0253	0.1	101
20250312_0303	0.5	353
20250312_0313	0.1	289
20250312_0323	0.1	349
20250312_0333	0.1	267
20250312_0343	0.1	47
20250312_0353	0.1	99
20250312_0403	0.1	57
20250312_0413	0.2	152
20250312_0423	0.1	109
20250312_0433	0.1	267
20250312_0443	0.1	315
20250312_0453	0.1	72
20250312_0503	0.1	330
20250312_0513	0.1	208
20250312_0523	0.1	271
20250312_0533	0.1	144
20250312_0543	0.1	311
20250312_0553	1.1	105
20250312_0603	0.2	173
20250312_0613	0.2	77
20250312_0623	0.8	81
20250312_0633	0.1	157
20250312_0643	0.3	125
20250312_0653	0.1	89
20250312_0703	0.1	144
20250312_0713	0.2	114
20250312_0723	0.4	114
20250312_0733	0.3	121
20250312_0743	0.1	272
20250312_0753	0.1	0
20250312_0803	0.2	338
20250312_0813	0.1	327
20250312_0823	0.1	222
20250312_0833	0.1	346
20250312_0843	0.1	109
20250312_0853	0.1	231
20250312_0903	0.1	133
20250312_0913	0.1	207
20250312_0923	0.1	60
20250312_0933	0.1	137
20250312_0943	0.1	88
20250312_0953	0.1	96
20250312_1003	0.1	194
20250312_1013	0.1	133
20250312_1023	0.1	64
20250312_1033	0.1	207
20250312_1043	0.1	159
20250312_1053	0.1	136
20250312_1103	0.1	205
20250312_1113	0.1	170
20250312_1123	0.1	46
20250312_1133	0.1	21
20250312_1143	0.1	38
20250312_1153	0.4	122

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250312_1203	0.7	137
20250312_1213	0.1	84
20250312_1223	0.1	49
20250312_1233	0.1	59
20250312_1243	1.3	132
20250312_1253	3	161
20250312_1303	1.1	121
20250312_1313	0.2	62
20250312_1323	0.1	91
20250312_1333	0.1	346
20250312_1343	0.1	54
20250312_1353	0.1	129
20250312_1403	2.1	58
20250312_1413	0.2	343
20250312_1423	0.1	263
20250312_1433	0.1	9
20250312_1443	0.1	133
20250312_1453	0.1	33
20250312_1503	3.8	134
20250312_1513	0.5	148
20250312_1523	0.1	132
20250312_1533	2	49
20250312_1543	0.1	28
20250312_1553	0.1	27
20250312_1603	0.5	328
20250312_1613	0.1	159
20250312_1623	0.1	137
20250312_1633	0.1	52
20250312_1643	2.1	92
20250312_1653	0.1	293
20250312_1703	0.6	332
20250312_1713	0.8	351
20250312_1723	0.6	338
20250312_1733	2.1	216
20250312_1743	3.1	351
20250312_1753	0.7	345
20250312_1803	1.8	352
20250312_1813	1.2	163
20250312_1823	0.1	73
20250312_1833	1.4	97
20250312_1843	2.7	121
20250312_1853	0.2	99
20250312_1903	0.1	330
20250312_1913	0.2	155
20250312_1923	1.3	115
20250312_1933	0.1	110
20250312_1943	0.1	229
20250312_1953	0.3	147
20250312_2003	0.6	140
20250312_2013	0.2	80
20250312_2023	0.3	173
20250312_2033	0.1	16
20250312_2043	0.9	171
20250312_2053	0.1	89
20250312_2103	0.1	111
20250312_2113	0.3	161
20250312_2123	0.1	97
20250312_2133	1	20
20250312_2143	0.6	14
20250312_2153	1.6	15
20250312_2203	0.2	37
20250312_2213	0.2	15
20250312_2223	0.4	72
20250312_2233	0.3	112
20250312_2243	0.6	165
20250312_2253	0.2	352
20250312_2303	0.8	344
20250312_2313	0.3	117
20250312_2323	0.8	339
20250312_2333	0.1	130
20250312_2343	0.1	323
20250312_2353	0.1	233

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250313_0003	0.2	214
20250313_0013	0.1	58
20250313_0023	1.2	332
20250313_0033	0.1	4
20250313_0043	0.1	7
20250313_0053	0.5	58
20250313_0103	0.1	330
20250313_0113	0.1	125
20250313_0123	0.1	144
20250313_0133	0.1	147
20250313_0143	0.1	308
20250313_0153	0.1	62
20250313_0203	0.1	321
20250313_0213	0.1	158
20250313_0223	0.1	66
20250313_0233	0.1	109
20250313_0243	0.1	128
20250313_0253	0.2	126
20250313_0303	0.1	225
20250313_0313	0.1	52
20250313_0323	0.1	39
20250313_0333	0.1	326
20250313_0343	0.1	199
20250313_0353	0.1	248
20250313_0403	0.1	324
20250313_0413	0.1	74
20250313_0423	0.1	344
20250313_0433	0.1	13
20250313_0443	0.1	55
20250313_0453	0.1	116
20250313_0503	0.1	16
20250313_0513	0.1	37
20250313_0523	0.1	37
20250313_0533	0.1	72
20250313_0543	0.1	40
20250313_0553	0.1	327
20250313_0603	0.1	16
20250313_0613	0.1	39
20250313_0623	0.1	75
20250313_0633	0.1	155
20250313_0643	0.1	123
20250313_0653	0.1	123
20250313_0703	0.1	123
20250313_0713	0.1	122
20250313_0723	0.1	119
20250313_0733	0.1	267
20250313_0743	0.1	131
20250313_0753	0.1	37
20250313_0803	0.1	113
20250313_0813	0.1	151
20250313_0823	0.1	106
20250313_0833	0.1	299
20250313_0843	0.1	113
20250313_0853	0.1	127
20250313_0903	0.1	136
20250313_0913	0.3	147
20250313_0923	0.1	106
20250313_0933	0.5	131
20250313_0943	0.1	131
20250313_0953	0.4	328
20250313_1003	0.1	229
20250313_1013	0.1	71
20250313_1023	0.6	151
20250313_1033	1.6	111
20250313_1043	0.3	111
20250313_1053	1.1	142
20250313_1103	0.1	28
20250313_1113	0.1	103
20250313_1123	0.1	149
20250313_1133	0.3	294
20250313_1143	0.1	232
20250313_1153	0.3	160

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250313_1203	0.1	137
20250313_1213	0.1	122
20250313_1223	0.1	318
20250313_1233	0.1	174
20250313_1243	0.3	99
20250313_1253	1.4	139
20250313_1303	0.1	181
20250313_1313	0.1	145
20250313_1323	0.1	307
20250313_1333	0.1	60
20250313_1343	0.3	45
20250313_1353	0.3	123
20250313_1403	0.5	129
20250313_1413	1.1	145
20250313_1423	1.5	128
20250313_1433	2.2	140
20250313_1443	0.1	63
20250313_1453	0.1	87
20250313_1503	0.6	118
20250313_1513	0.1	100
20250313_1523	0.1	73
20250313_1533	0.1	179
20250313_1543	0.1	6
20250313_1553	2.1	135
20250313_1603	0.4	140
20250313_1613	0.1	153
20250313_1623	0.7	89
20250313_1633	0.1	22
20250313_1643	1.7	173
20250313_1653	0.2	93
20250313_1703	0.3	123
20250313_1713	0.1	76
20250313_1723	0.1	22
20250313_1733	0.1	293
20250313_1743	0.1	28
20250313_1753	0.1	20
20250313_1803	1.1	115
20250313_1813	0.1	34
20250313_1823	0.3	62
20250313_1833	0.1	65
20250313_1843	0.1	46
20250313_1853	0.1	126
20250313_1903	0.1	50
20250313_1913	0.1	213
20250313_1923	0.1	146
20250313_1933	0.1	107
20250313_1943	0.1	201
20250313_1953	0.1	55
20250313_2003	0.1	69
20250313_2013	0.4	27
20250313_2023	0.1	99
20250313_2033	0.1	153
20250313_2043	0.4	87
20250313_2053	0.2	11
20250313_2103	0.1	68
20250313_2113	1.2	82
20250313_2123	0.8	91
20250313_2133	0.1	208
20250313_2143	0.1	83
20250313_2153	0.1	90
20250313_2203	0.1	134
20250313_2213	0.1	265
20250313_2223	0.1	270
20250313_2233	0.1	40
20250313_2243	0.1	279
20250313_2253	0.1	311
20250313_2303	0.1	140
20250313_2313	0.1	176
20250313_2323	0.1	280
20250313_2333	0.1	130
20250313_2343	0.1	131
20250313_2353	0.1	32

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250314_0003	0.1	145
20250314_0013	0.1	339
20250314_0023	0.1	260
20250314_0033	0.1	184
20250314_0043	0.1	81
20250314_0053	0.1	113
20250314_0103	1.7	27
20250314_0113	0.6	142
20250314_0123	2.3	131
20250314_0133	0.1	120
20250314_0143	0.2	49
20250314_0153	0.1	139
20250314_0203	0.1	155
20250314_0213	1.5	111
20250314_0223	0.1	217
20250314_0233	0.1	207
20250314_0243	0.8	12
20250314_0253	0.1	79
20250314_0303	0.1	131
20250314_0313	0.8	106
20250314_0323	0.1	30
20250314_0333	0.4	98
20250314_0343	0.2	197
20250314_0353	0.1	336
20250314_0403	0.2	104
20250314_0413	0.1	95
20250314_0423	0.1	134
20250314_0433	0.1	223
20250314_0443	0.1	35
20250314_0453	0.1	102
20250314_0503	0.2	174
20250314_0513	0.1	317
20250314_0523	0.3	100
20250314_0533	0.3	328
20250314_0543	0.1	299
20250314_0553	0.4	345
20250314_0603	0.1	155
20250314_0613	0.1	124
20250314_0623	1.1	14
20250314_0633	0.1	213
20250314_0643	0.4	17
20250314_0653	0.9	350
20250314_0703	0.1	306
20250314_0713	1	17
20250314_0723	0.1	182
20250314_0733	0.2	62
20250314_0743	0.1	171
20250314_0753	1	16
20250314_0803	0.1	341
20250314_0813	0.2	116
20250314_0823	2	148
20250314_0833	2.5	163
20250314_0843	0.1	285
20250314_0853	0.4	46
20250314_0903	0.2	134
20250314_0913	0.1	46
20250314_0923	0.7	138
20250314_0933	0.1	94
20250314_0943	0.1	201
20250314_0953	4.1	352
20250314_1003	0.1	158
20250314_1013	0.3	351
20250314_1023	6.7	105
20250314_1033	3.6	164
20250314_1043	0.5	3
20250314_1053	7.8	126
20250314_1103	1.1	120
20250314_1113	0.9	141
20250314_1123	0.5	339
20250314_1133	0.2	199
20250314_1143	3.8	77
20250314_1153	0.1	100

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250314_1203	4.2	112
20250314_1213	0.1	286
20250314_1223	2.7	184
20250314_1233	8.2	172
20250314_1243	2.4	88
20250314_1253	0.8	12
20250314_1303	0.1	82
20250314_1313	0.2	30
20250314_1323	0.4	21
20250314_1333	0.4	238
20250314_1343	2.1	344
20250314_1353	3.9	317
20250314_1403	1.9	2
20250314_1413	2.9	332
20250314_1423	0.1	259
20250314_1433	0.6	153
20250314_1443	0.1	189
20250314_1453	0.4	47
20250314_1503	1.1	156
20250314_1513	1.7	158
20250314_1523	0.8	232
20250314_1533	0.8	349
20250314_1543	0.8	338
20250314_1553	1.1	132
20250314_1603	9.3	113
20250314_1613	0.1	139
20250314_1623	0.4	152
20250314_1633	8.6	122
20250314_1643	0.3	42
20250314_1653	0.1	300
20250314_1703	1	314
20250314_1713	1.5	158
20250314_1723	0.2	118
20250314_1733	0.1	148
20250314_1743	1.2	34
20250314_1753	1.8	120
20250314_1803	0.1	341
20250314_1813	0.1	298
20250314_1823	0.1	70
20250314_1833	0.1	87
20250314_1843	0.8	104
20250314_1853	0.2	108
20250314_1903	0.2	156
20250314_1913	0.1	110
20250314_1923	0.4	125
20250314_1933	0.1	230
20250314_1943	0.4	58
20250314_1953	0.2	90
20250314_2003	0.2	101
20250314_2013	0.2	137
20250314_2023	1	129
20250314_2033	1.9	111
20250314_2043	0.5	41
20250314_2053	1.6	48
20250314_2103	0.3	183
20250314_2113	0.1	274
20250314_2123	3.6	54
20250314_2133	0.1	120
20250314_2143	0.5	144
20250314_2153	2.5	100
20250314_2203	1.9	37
20250314_2213	1.3	97
20250314_2223	1.6	145
20250314_2233	0.1	143
20250314_2243	2	40
20250314_2253	0.3	257
20250314_2303	8.6	136
20250314_2313	0.4	169
20250314_2323	2.3	150
20250314_2333	3	100
20250314_2343	0.2	283
20250314_2353	3.4	97

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250315_0003	5.2	78
20250315_0013	0.9	99
20250315_0023	0.2	14
20250315_0033	0.2	245
20250315_0043	0.2	91
20250315_0053	0.6	118
20250315_0103	1.2	113
20250315_0113	0.3	294
20250315_0123	0.1	14
20250315_0133	0.2	40
20250315_0143	0.1	137
20250315_0153	0.1	97
20250315_0203	0.1	52
20250315_0213	0.4	136
20250315_0223	0.2	109
20250315_0233	0.1	318
20250315_0243	0.1	133
20250315_0253	1.3	114
20250315_0303	0.1	68
20250315_0313	0.1	278
20250315_0323	0.1	0
20250315_0333	0.1	147
20250315_0343	0.1	131
20250315_0353	0.1	272
20250315_0403	0.1	118
20250315_0413	0.1	62
20250315_0423	0.1	62
20250315_0433	0.1	46
20250315_0443	0.3	204
20250315_0453	1.2	156
20250315_0503	0.1	294
20250315_0513	0.1	192
20250315_0523	0.1	144
20250315_0533	0.1	315
20250315_0543	0.1	120
20250315_0553	0.1	2
20250315_0603	0.1	170
20250315_0613	0.1	342
20250315_0623	0.6	30
20250315_0633	0.2	22
20250315_0643	0.1	127
20250315_0653	0.2	65
20250315_0703	0.1	129
20250315_0713	0.1	23
20250315_0723	0.1	127
20250315_0733	0.1	269
20250315_0743	1.2	65
20250315_0753	0.1	283
20250315_0803	0.1	140
20250315_0813	0.1	288
20250315_0823	0.1	206
20250315_0833	0.3	75
20250315_0843	1.3	103
20250315_0853	0.2	52
20250315_0903	0.1	325
20250315_0913	0.1	112
20250315_0923	0.5	59
20250315_0933	0.1	103
20250315_0943	0.1	149
20250315_0953	0.1	10
20250315_1003	0.2	129
20250315_1013	0.1	198
20250315_1023	1.7	193
20250315_1033	0.1	46
20250315_1043	1.1	151
20250315_1053	3.2	38
20250315_1103	4	59
20250315_1113	0.1	281
20250315_1123	0.8	144
20250315_1133	0.9	118
20250315_1143	0.1	143
20250315_1153	0.1	125

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250315_1203	0.1	184
20250315_1213	0.1	49
20250315_1223	0.8	67
20250315_1233	0.4	81
20250315_1243	1.3	121
20250315_1253	0.1	221
20250315_1303	1.4	122
20250315_1313	3.4	139
20250315_1323	0.1	67
20250315_1333	0.3	81
20250315_1343	0.4	117
20250315_1353	0.1	15
20250315_1403	0.1	209
20250315_1413	0.1	174
20250315_1423	0.2	156
20250315_1433	1.4	87
20250315_1443	0.5	33
20250315_1453	0.3	53
20250315_1503	3.9	120
20250315_1513	0.2	115
20250315_1523	0.6	108
20250315_1533	1.4	86
20250315_1543	12.1	46
20250315_1553	2.4	59
20250315_1603	0.5	144
20250315_1613	0.1	271
20250315_1623	0.1	89
20250315_1633	0.1	47
20250315_1643	0.1	242
20250315_1653	0.1	38
20250315_1703	0.1	188
20250315_1713	0.1	111
20250315_1723	0.1	181
20250315_1733	0.3	146
20250315_1743	0.3	129
20250315_1753	0.1	70
20250315_1803	0.1	106
20250315_1813	0.1	150
20250315_1823	0.1	310
20250315_1833	0.3	146
20250315_1843	0.1	134
20250315_1853	0.4	137
20250315_1903	0.1	143
20250315_1913	0.1	102
20250315_1923	2.2	95
20250315_1933	0.5	43
20250315_1943	0.1	2
20250315_1953	1.4	315
20250315_2003	0.2	349
20250315_2013	0.3	99
20250315_2023	0.2	312
20250315_2033	0.8	69
20250315_2043	2.8	92
20250315_2053	0.5	41
20250315_2103	0.1	22
20250315_2113	0.3	46
20250315_2123	0.3	54
20250315_2133	0.6	288
20250315_2143	0.5	296
20250315_2153	0.6	77
20250315_2203	0.5	20
20250315_2213	0.3	311
20250315_2223	0.3	24
20250315_2233	1.5	304
20250315_2243	0.1	143
20250315_2253	8.1	307
20250315_2303	0.6	124
20250315_2313	0.7	74
20250315_2323	0.9	30
20250315_2333	0.1	324
20250315_2343	1	91
20250315_2353	0.1	60

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250316_0003	0.1	307
20250316_0013	0.1	334
20250316_0023	0.5	40
20250316_0033	0.7	53
20250316_0043	4.5	3
20250316_0053	1.4	27
20250316_0103	0.1	44
20250316_0113	0.4	118
20250316_0123	0.1	324
20250316_0133	0.1	70
20250316_0143	0.6	46
20250316_0153	0.9	336
20250316_0203	0.1	301
20250316_0213	0.4	348
20250316_0223	1	219
20250316_0233	0.1	303
20250316_0243	4.4	311
20250316_0253	0.1	24
20250316_0303	1.1	136
20250316_0313	0.1	114
20250316_0323	0.7	135
20250316_0333	0.2	22
20250316_0343	0.1	154
20250316_0353	0.2	314
20250316_0403	0.1	156
20250316_0413	0.1	351
20250316_0423	0.1	116
20250316_0433	2.8	24
20250316_0443	3	351
20250316_0453	2.2	94
20250316_0503	1.6	53
20250316_0513	0.1	1
20250316_0523	0.1	291
20250316_0533	1.3	74
20250316_0543	10.2	307
20250316_0553	1.2	315
20250316_0603	0.9	79
20250316_0613	0.3	2
20250316_0623	0.1	23
20250316_0633	0.1	81
20250316_0643	0.3	98
20250316_0653	0.1	119
20250316_0703	0.3	236
20250316_0713	1.7	115
20250316_0723	2.4	284
20250316_0733	0.1	8
20250316_0743	1.5	349
20250316_0753	4.6	115
20250316_0803	2.6	142
20250316_0813	0.3	325
20250316_0823	0.1	274
20250316_0833	0.1	91
20250316_0843	13.2	336
20250316_0853	1.9	42
20250316_0903	1.5	158
20250316_0913	4.1	44
20250316_0923	3.3	84
20250316_0933	1.1	6
20250316_0943	2.3	140
20250316_0953	9.7	44
20250316_1003	1.2	59
20250316_1013	1.4	197
20250316_1023	1	291
20250316_1033	0.1	36
20250316_1043	0.3	63
20250316_1053	6.1	234
20250316_1103	2.9	1
20250316_1113	3.4	328
20250316_1123	1.3	11
20250316_1133	0.7	6
20250316_1143	0.4	344
20250316_1153	1.1	149

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250316_1203	9.2	27
20250316_1213	0.3	67
20250316_1223	13.2	322
20250316_1233	8.4	339
20250316_1243	3.3	70
20250316_1253	3.9	33
20250316_1303	4.5	340
20250316_1313	4.7	34
20250316_1323	2.2	297
20250316_1333	6.5	329
20250316_1343	0.1	103
20250316_1353	1.1	111
20250316_1403	1	109
20250316_1413	0.7	219
20250316_1423	1.5	84
20250316_1433	0.4	12
20250316_1443	2.2	52
20250316_1453	0.3	305
20250316_1503	0.7	14
20250316_1513	0.9	70
20250316_1523	1.7	71
20250316_1533	2.5	53
20250316_1543	1.4	322
20250316_1553	0.1	32
20250316_1603	1.2	275
20250316_1613	0.1	129
20250316_1623	0.1	314
20250316_1633	0.2	32
20250316_1643	1.3	1
20250316_1653	0.2	229
20250316_1703	0.1	127
20250316_1713	0.4	117
20250316_1723	0.3	77
20250316_1733	0.1	100
20250316_1743	0.1	337
20250316_1753	2.3	309
20250316_1803	0.1	38
20250316_1813	2.3	69
20250316_1823	0.2	195
20250316_1833	0.1	16
20250316_1843	0.4	27
20250316_1853	4.2	21
20250316_1903	0.6	7
20250316_1913	3.7	339
20250316_1923	2.5	343
20250316_1933	0.1	346
20250316_1943	1.6	353
20250316_1953	0.9	69
20250316_2003	0.2	27
20250316_2013	0.9	352
20250316_2023	0.9	327
20250316_2033	2.8	303
20250316_2043	0.8	136
20250316_2053	0.4	268
20250316_2103	4.7	322
20250316_2113	2.8	351
20250316_2123	1.2	95
20250316_2133	14.1	305
20250316_2143	0.5	351
20250316_2153	3.3	24
20250316_2203	7.1	327
20250316_2213	0.5	89
20250316_2223	0.1	233
20250316_2233	0.4	130
20250316_2243	0.3	293
20250316_2253	0.2	141
20250316_2303	0.9	125
20250316_2313	0.3	132
20250316_2323	1.3	347
20250316_2333	0.2	310
20250316_2343	1.2	327
20250316_2353	0.8	273

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250317_0003	0.2	17
20250317_0013	0.2	320
20250317_0023	0.1	54
20250317_0033	0.1	42
20250317_0043	0.2	90
20250317_0053	0.1	74
20250317_0103	0.1	142
20250317_0113	0.1	264
20250317_0123	0.4	344
20250317_0133	4.4	331
20250317_0143	0.1	5
20250317_0153	0.1	51
20250317_0203	0.5	46
20250317_0213	0.2	338
20250317_0223	0.2	328
20250317_0233	2.7	331
20250317_0243	0.1	21
20250317_0253	0.1	50
20250317_0303	0.3	306
20250317_0313	2.4	299
20250317_0323	0.1	291
20250317_0333	0.1	236
20250317_0343	0.1	277
20250317_0353	0.6	338
20250317_0403	5.1	341
20250317_0413	0.1	241
20250317_0423	0.1	316
20250317_0433	0.1	239
20250317_0443	0.1	71
20250317_0453	0.2	85
20250317_0503	0.1	26
20250317_0513	0.7	24
20250317_0523	0.2	349
20250317_0533	0.2	307
20250317_0543	0.1	19
20250317_0553	0.1	62
20250317_0603	0.2	15
20250317_0613	0.2	327
20250317_0623	0.1	141
20250317_0633	0.1	36
20250317_0643	0.1	285
20250317_0653	0.1	294
20250317_0703	0.1	33
20250317_0713	0.1	287
20250317_0723	0.1	67
20250317_0733	0.1	69
20250317_0743	0.1	150
20250317_0753	0.1	307
20250317_0803	0.1	100
20250317_0813	0.1	2
20250317_0823	0.6	258
20250317_0833	0.1	39
20250317_0843	0.2	111
20250317_0853	0.1	133
20250317_0903	0.1	337
20250317_0913	0.2	337
20250317_0923	2.6	270
20250317_0933	0.3	38
20250317_0943	0.2	282
20250317_0953	1.6	329
20250317_1003	2.6	55
20250317_1013	0.1	290
20250317_1023	0.4	66
20250317_1033	0.4	327
20250317_1043	1.5	302
20250317_1053	0.3	50
20250317_1103	0.4	18
20250317_1113	0.2	336
20250317_1123	1.2	313
20250317_1133	0.4	338
20250317_1143	0.1	21
20250317_1153	1	343

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250317_1203	0.3	329
20250317_1213	0.2	319
20250317_1223	1.1	347
20250317_1233	0.1	293
20250317_1243	0.2	58
20250317_1253	0.3	79
20250317_1303	0.8	328
20250317_1313	0.1	21
20250317_1323	0.1	317
20250317_1333	0.1	34
20250317_1343	0.1	73
20250317_1353	0.1	35
20250317_1403	0.1	321
20250317_1413	0.1	241
20250317_1423	0.1	32
20250317_1433	0.2	334
20250317_1443	0.1	202
20250317_1453	0.4	346
20250317_1503	0.1	335
20250317_1513	0.1	57
20250317_1523	0.3	128
20250317_1533	0.1	343
20250317_1543	0.2	0
20250317_1553	0.2	352
20250317_1603	0.1	52
20250317_1613	0.1	322
20250317_1623	0.1	291
20250317_1633	0.1	62
20250317_1643	0.1	69
20250317_1653	0.1	306
20250317_1703	0.1	160
20250317_1713	0.1	123
20250317_1723	0.1	154
20250317_1733	0.1	5
20250317_1743	0.1	334
20250317_1753	0.1	269
20250317_1803	0.1	126
20250317_1813	0.1	145
20250317_1823	0.1	123
20250317_1833	0.1	127
20250317_1843	0.1	345
20250317_1853	0.4	296
20250317_1903	0.1	103
20250317_1913	0.1	320
20250317_1923	0.1	118
20250317_1933	0.1	117
20250317_1943	0.1	118
20250317_1953	0.1	78
20250317_2003	0.1	155
20250317_2013	0.1	81
20250317_2023	0.1	120
20250317_2033	0.1	24
20250317_2043	0.1	122
20250317_2053	0.1	111
20250317_2103	0.1	190
20250317_2113	0.1	66
20250317_2123	0.1	99
20250317_2133	0.1	134
20250317_2143	0.1	150
20250317_2153	0.1	96
20250317_2203	0.1	61
20250317_2213	0.1	321
20250317_2223	0.1	96
20250317_2233	0.1	161
20250317_2243	0.1	134
20250317_2253	0.1	27
20250317_2303	0.1	30
20250317_2313	0.1	120
20250317_2323	0.4	87
20250317_2333	0.1	95
20250317_2343	0.3	122
20250317_2353	0.1	150

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250318_0003	0.1	146
20250318_0013	0.2	55
20250318_0023	0.1	37
20250318_0033	0.2	15
20250318_0043	0.1	85
20250318_0053	0.1	28
20250318_0103	0.1	250
20250318_0113	0.1	62
20250318_0123	0.1	345
20250318_0133	0.2	123
20250318_0143	0.1	156
20250318_0153	0.1	314
20250318_0203	0.1	157
20250318_0213	0.1	152
20250318_0223	0.1	297
20250318_0233	0.1	167
20250318_0243	0.1	136
20250318_0253	0.2	105
20250318_0303	0.1	180
20250318_0313	0.8	336
20250318_0323	0.6	160
20250318_0333	0.9	267
20250318_0343	0.1	113
20250318_0353	1.2	159
20250318_0403	0.1	69
20250318_0413	0.3	335
20250318_0423	0.1	273
20250318_0433	0.8	129
20250318_0443	0.5	83
20250318_0453	2.2	135
20250318_0503	2.7	107
20250318_0513	0.3	252
20250318_0523	0.2	240
20250318_0533	0.3	63
20250318_0543	0.1	310
20250318_0553	0.1	19
20250318_0603	0.4	292
20250318_0613	0.2	218
20250318_0623	0.1	20
20250318_0633	0.1	25
20250318_0643	0.1	281
20250318_0653	0.1	132
20250318_0703	0.1	259
20250318_0713	0.1	138
20250318_0723	0.1	202
20250318_0733	0.1	132
20250318_0743	0.1	166
20250318_0753	0.1	128
20250318_0803	0.1	194
20250318_0813	0.1	168
20250318_0823	0.1	323
20250318_0833	0.1	302
20250318_0843	0.1	120
20250318_0853	0.1	141
20250318_0903	0.1	112
20250318_0913	0.1	323
20250318_0923	0.1	137
20250318_0933	0.1	132
20250318_0943	0.1	134
20250318_0953	0.1	140
20250318_1003	0.4	93
20250318_1013	0.1	67
20250318_1023	0.1	59
20250318_1033	1.5	282
20250318_1043	1	170
20250318_1053	4.1	295
20250318_1103	1.6	314
20250318_1113	2.7	328
20250318_1123	0.2	331
20250318_1133	0.1	45
20250318_1143	1.2	83
20250318_1153	0.4	113

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250318_1203	1.4	335
20250318_1213	5.2	302
20250318_1223	0.4	98
20250318_1233	0.1	110
20250318_1243	0.4	338
20250318_1253	0.4	31
20250318_1303	0.5	37
20250318_1313	0.2	291
20250318_1323	0.1	331
20250318_1333	0.5	355
20250318_1343	0.2	37
20250318_1353	0.2	106
20250318_1403	0.3	111
20250318_1413	0.5	339
20250318_1423	0.4	47
20250318_1433	2.8	62
20250318_1443	0.1	229
20250318_1453	0.1	343
20250318_1503	0.1	18
20250318_1513	0.6	70
20250318_1523	0.5	298
20250318_1533	0.1	15
20250318_1543	0.1	93
20250318_1553	0.3	55
20250318_1603	0.1	15
20250318_1613	0.1	337
20250318_1623	0.1	0
20250318_1633	0.1	307
20250318_1643	0.1	68
20250318_1653	0.1	139
20250318_1703	0.1	70
20250318_1713	0.1	8
20250318_1723	0.1	48
20250318_1733	0.1	15
20250318_1743	0.1	88
20250318_1753	0.1	96
20250318_1803	0.1	151
20250318_1813	0.1	142
20250318_1823	0.1	137
20250318_1833	0.1	136
20250318_1843	0.1	146
20250318_1853	0.1	98
20250318_1903	0.1	338
20250318_1913	0.1	347
20250318_1923	0.1	67
20250318_1933	0.1	94
20250318_1943	0.1	7
20250318_1953	0.1	351
20250318_2003	0.1	15
20250318_2013	0.1	49
20250318_2023	0.1	145
20250318_2033	0.1	337
20250318_2043	0.1	8
20250318_2053	0.1	332
20250318_2103	0.1	3
20250318_2113	0.1	273
20250318_2123	0.1	109
20250318_2133	0.1	106
20250318_2143	0.1	153
20250318_2153	0.1	102
20250318_2203	0.1	80
20250318_2213	0.1	98
20250318_2223	0.1	70
20250318_2233	0.1	113
20250318_2243	0.1	99
20250318_2253	0.1	22
20250318_2303	0.1	290
20250318_2313	0.1	157
20250318_2323	0.1	157
20250318_2333	0.1	77
20250318_2343	0.1	99
20250318_2353	0.1	116

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250319_0003	0.1	26
20250319_0013	0.1	118
20250319_0023	0.1	118
20250319_0033	0.1	118
20250319_0043	0.1	103
20250319_0053	0.1	90
20250319_0103	0.1	60
20250319_0113	0.1	105
20250319_0123	0.1	77
20250319_0133	0.1	51
20250319_0143	0.1	114
20250319_0153	0.1	163
20250319_0203	0.1	71
20250319_0213	0.1	127
20250319_0223	0.1	63
20250319_0233	0.1	17
20250319_0243	0.1	315
20250319_0253	0.1	33
20250319_0303	0.1	112
20250319_0313	0.1	130
20250319_0323	0.1	130
20250319_0333	0.1	122
20250319_0343	0.1	108
20250319_0353	0.1	244
20250319_0403	0.1	61
20250319_0413	0.1	128
20250319_0423	0.1	226
20250319_0433	0.1	158
20250319_0443	0.1	45
20250319_0453	0.1	100
20250319_0503	0.1	161
20250319_0513	0.1	88
20250319_0523	0.1	100
20250319_0533	0.1	146
20250319_0543	0.1	347
20250319_0553	0.1	63
20250319_0603	0.1	150
20250319_0613	0.1	68
20250319_0623	0.1	285
20250319_0633	0.1	115
20250319_0643	0.1	114
20250319_0653	0.1	47
20250319_0703	0.1	104
20250319_0713	0.1	92
20250319_0723	0.1	134
20250319_0733	0.1	107
20250319_0743	0.1	94
20250319_0753	0.1	110
20250319_0803	0.1	140
20250319_0813	0.5	139
20250319_0823	0.1	140
20250319_0833	0.1	143
20250319_0843	0.1	79
20250319_0853	0.1	217
20250319_0903	0.2	228
20250319_0913	0.7	332
20250319_0923	1.3	95
20250319_0933	0.1	15
20250319_0943	0.2	143
20250319_0953	0.2	340
20250319_1003	0.4	40
20250319_1013	0.1	159
20250319_1023	1.1	150
20250319_1033	0.1	58
20250319_1043	5.2	66
20250319_1053	1.1	311
20250319_1103	0.1	314
20250319_1113	0.1	87
20250319_1123	0.7	9
20250319_1133	0.4	345
20250319_1143	0.6	354
20250319_1153	0.2	83

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250319_1203	1.3	79
20250319_1213	0.1	135
20250319_1223	2.9	39
20250319_1233	0.1	351
20250319_1243	0.1	138
20250319_1253	0.1	38
20250319_1303	0.2	296
20250319_1313	0.4	293
20250319_1323	0.1	163
20250319_1333	0.5	96
20250319_1343	0.1	278
20250319_1353	0.2	311
20250319_1403	0.1	24
20250319_1413	2	46
20250319_1423	3.1	35
20250319_1433	1.1	331
20250319_1443	0.1	26
20250319_1453	2.4	73
20250319_1503	0.5	26
20250319_1513	2.3	47
20250319_1523	0.1	44
20250319_1533	0.1	111
20250319_1543	0.8	187
20250319_1553	0.1	160
20250319_1603	0.6	153
20250319_1613	0.4	57
20250319_1623	0.5	347
20250319_1633	0.1	318
20250319_1643	0.1	73
20250319_1653	0.3	58
20250319_1703	0.4	173
20250319_1713	0.1	20
20250319_1723	0.2	308
20250319_1733	1	313
20250319_1743	0.3	14
20250319_1753	0.8	152
20250319_1803	0.4	176
20250319_1813	2.7	109
20250319_1823	0.1	19
20250319_1833	1.1	66
20250319_1843	3.3	115
20250319_1853	0.2	87
20250319_1903	0.3	85
20250319_1913	0.8	74
20250319_1923	0.2	57
20250319_1933	0.4	66
20250319_1943	1	128
20250319_1953	0.2	120
20250319_2003	0.1	118
20250319_2013	0.3	178
20250319_2023	0.3	79
20250319_2033	0.3	31
20250319_2043	0.2	96
20250319_2053	0.1	63
20250319_2103	0.5	188
20250319_2113	0.4	155
20250319_2123	1.2	107
20250319_2133	0.6	118
20250319_2143	0.2	144
20250319_2153	0.2	83
20250319_2203	0.1	183
20250319_2213	0.1	119
20250319_2223	0.1	288
20250319_2233	0.1	292
20250319_2243	0.1	109
20250319_2253	0.1	206
20250319_2303	0.1	84
20250319_2313	0.5	26
20250319_2323	0.1	189
20250319_2333	0.1	121
20250319_2343	0.3	158
20250319_2353	0.1	160

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250320_0003	0.1	326
20250320_0013	0.1	78
20250320_0023	0.1	147
20250320_0033	0.1	56
20250320_0043	0.1	284
20250320_0053	0.1	288
20250320_0103	0.1	26
20250320_0113	0.1	83
20250320_0123	0.2	309
20250320_0133	0.1	102
20250320_0143	0.1	333
20250320_0153	0.1	122
20250320_0203	0.1	100
20250320_0213	0.1	112
20250320_0223	0.1	329
20250320_0233	0.1	75
20250320_0243	0.1	334
20250320_0253	0.1	152
20250320_0303	0.1	153
20250320_0313	0.1	55
20250320_0323	0.1	85
20250320_0333	0.1	31
20250320_0343	0.1	152
20250320_0353	0.1	94
20250320_0403	0.1	116
20250320_0413	0.1	126
20250320_0423	0.1	118
20250320_0433	0.1	266
20250320_0443	0.1	134
20250320_0453	0.1	72
20250320_0503	0.1	53
20250320_0513	0.1	37
20250320_0523	0.1	53
20250320_0533	0.1	98
20250320_0543	0.1	81
20250320_0553	0.1	92
20250320_0603	0.1	52
20250320_0613	0.1	41
20250320_0623	0.1	26
20250320_0633	0.1	126
20250320_0643	0.1	186
20250320_0653	0.1	152
20250320_0703	0.1	115
20250320_0713	0.1	132
20250320_0723	0.1	130
20250320_0733	0.1	205
20250320_0743	0.1	131
20250320_0753	0.1	122
20250320_0803	0.2	121
20250320_0813	0.1	110
20250320_0823	0.1	133
20250320_0833	0.1	98
20250320_0843	0.1	64
20250320_0853	0.4	102
20250320_0903	0.1	141
20250320_0913	0.2	123
20250320_0923	0.4	115
20250320_0933	0.1	326
20250320_0943	0.1	139
20250320_0953	0.3	136
20250320_1003	0.4	119
20250320_1013	0.1	45
20250320_1023	0.1	283
20250320_1033	0.1	98
20250320_1043	0.1	351
20250320_1053	0.1	41
20250320_1103	0.1	322
20250320_1113	0.1	312
20250320_1123	0.1	118
20250320_1133	0.6	137
20250320_1143	0.6	258
20250320_1153	0.3	338

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250320_1203	0.4	79
20250320_1213	0.2	92
20250320_1223	0.4	112
20250320_1233	0.4	119
20250320_1243	0.2	142
20250320_1253	0.4	329
20250320_1303	0.1	208
20250320_1313	3.9	122
20250320_1323	0.1	263
20250320_1333	1.4	64
20250320_1343	1	332
20250320_1353	0.1	336
20250320_1403	1.4	128
20250320_1413	0.2	192
20250320_1423	0.1	282
20250320_1433	1.2	275
20250320_1443	1.8	101
20250320_1453	0.1	287
20250320_1503	0.2	306
20250320_1513	0.1	102
20250320_1523	1	110
20250320_1533	0.4	153
20250320_1543	1.1	351
20250320_1553	1.6	351
20250320_1603	0.4	52
20250320_1613	5.2	342
20250320_1623	0.1	164
20250320_1633	0.1	165
20250320_1643	0.4	115
20250320_1653	0.1	187
20250320_1703	0.8	348
20250320_1713	0.2	8
20250320_1723	0.3	155
20250320_1733	0.1	66
20250320_1743	3	103
20250320_1753	5.1	108
20250320_1803	0.1	347
20250320_1813	0.3	90
20250320_1823	0.2	56
20250320_1833	1.4	174
20250320_1843	1.3	146
20250320_1853	3.3	136
20250320_1903	0.1	80
20250320_1913	0.1	326
20250320_1923	0.1	298
20250320_1933	0.2	3
20250320_1943	0.1	23
20250320_1953	0.1	339
20250320_2003	0.2	300
20250320_2013	0.1	295
20250320_2023	0.1	301
20250320_2033	0.1	270
20250320_2043	0.1	278
20250320_2053	0.4	9
20250320_2103	0.1	146
20250320_2113	0.1	168
20250320_2123	0.1	41
20250320_2133	0.5	78
20250320_2143	0.9	195
20250320_2153	0.3	347
20250320_2203	0.3	240
20250320_2213	0.2	84
20250320_2223	1.5	332
20250320_2233	0.6	57
20250320_2243	1.1	120
20250320_2253	0.1	262
20250320_2303	0.1	266
20250320_2313	0.1	121
20250320_2323	0.1	197
20250320_2333	0.1	137
20250320_2343	0.1	147
20250320_2353	0.1	136

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250321_0003	0.1	158
20250321_0013	0.1	112
20250321_0023	0.1	301
20250321_0033	0.1	129
20250321_0043	0.1	119
20250321_0053	0.1	103
20250321_0103	0.1	194
20250321_0113	0.1	298
20250321_0123	0.1	144
20250321_0133	0.1	346
20250321_0143	0.1	134
20250321_0153	0.1	150
20250321_0203	0.1	232
20250321_0213	0.1	282
20250321_0223	0.1	146
20250321_0233	0.1	251
20250321_0243	0.1	263
20250321_0253	0.1	141
20250321_0303	0.1	100
20250321_0313	0.1	50
20250321_0323	0.1	11
20250321_0333	0.1	36
20250321_0343	0.1	323
20250321_0353	0.1	310
20250321_0403	0.1	11
20250321_0413	0.1	82
20250321_0423	0.1	131
20250321_0433	0.1	114
20250321_0443	0.1	102
20250321_0453	0.1	79
20250321_0503	0.1	138
20250321_0513	0.1	142
20250321_0523	0.1	333
20250321_0533	0.1	110
20250321_0543	0.1	102
20250321_0553	0.1	114
20250321_0603	0.1	343
20250321_0613	0.1	9
20250321_0623	0.1	45
20250321_0633	0.1	71
20250321_0643	0.1	124
20250321_0653	0.1	124
20250321_0703	0.1	122
20250321_0713	0.1	126
20250321_0723	0.1	116
20250321_0733	0.1	116
20250321_0743	0.1	151
20250321_0753	0.1	145
20250321_0803	0.1	143
20250321_0813	0.1	143
20250321_0823	0.2	135
20250321_0833	0.2	128
20250321_0843	0.1	126
20250321_0853	0.1	141
20250321_0903	0.1	118
20250321_0913	0.1	214
20250321_0923	0.1	300
20250321_0933	0.1	341
20250321_0943	0.5	47
20250321_0953	0.1	52
20250321_1003	2	110
20250321_1013	0.1	90
20250321_1023	0.4	346
20250321_1033	0.1	53
20250321_1043	0.2	305
20250321_1053	0.1	163
20250321_1103	0.1	16
20250321_1113	0.2	138
20250321_1123	0.2	139
20250321_1133	0.1	150
20250321_1143	0.4	48
20250321_1153	0.6	124

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250321_1203	1	295
20250321_1213	0.2	64
20250321_1223	0.3	8
20250321_1233	0.1	347
20250321_1243	1.7	7
20250321_1253	0.2	133
20250321_1303	0.2	89
20250321_1313	0.5	97
20250321_1323	0.1	149
20250321_1333	0.1	183
20250321_1343	0.2	108
20250321_1353	0.1	148
20250321_1403	0.6	345
20250321_1413	0.4	353
20250321_1423	4	120
20250321_1433	0.2	191
20250321_1443	0.2	153
20250321_1453	1.1	11
20250321_1503	0.4	141
20250321_1513	1.5	62
20250321_1523	1.2	89
20250321_1533	0.1	70
20250321_1543	0.2	33
20250321_1553	0.7	19
20250321_1603	1.4	109
20250321_1613	0.7	50
20250321_1623	0.2	355
20250321_1633	0.1	343
20250321_1643	0.6	66
20250321_1653	0.5	42
20250321_1703	0.1	123
20250321_1713	0.2	340
20250321_1723	0.1	287
20250321_1733	0.1	170
20250321_1743	0.2	317
20250321_1753	0.2	343
20250321_1803	0.1	289
20250321_1813	0.1	24
20250321_1823	0.1	48
20250321_1833	0.1	37
20250321_1843	0.1	325
20250321_1853	0.4	329
20250321_1903	0.9	96
20250321_1913	2.2	126
20250321_1923	0.1	258
20250321_1933	0.3	342
20250321_1943	0.2	36
20250321_1953	0.2	321
20250321_2003	0.2	9
20250321_2013	1.5	5
20250321_2023	2.5	131
20250321_2033	0.1	328
20250321_2043	0.1	7
20250321_2053	0.1	15
20250321_2103	0.2	90
20250321_2113	0.1	200
20250321_2123	0.5	157
20250321_2133	0.9	328
20250321_2143	0.1	143
20250321_2153	0.1	107
20250321_2203	0.1	114
20250321_2213	0.2	301
20250321_2223	0.1	105
20250321_2233	0.2	301
20250321_2243	0.2	66
20250321_2253	0.2	68
20250321_2303	3.2	339
20250321_2313	0.1	300
20250321_2323	0.5	295
20250321_2333	0.1	232
20250321_2343	0.1	230
20250321_2353	0.3	126

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250322_0003	0.1	151
20250322_0013	0.1	0
20250322_0023	0.1	145
20250322_0033	0.1	111
20250322_0043	0.1	108
20250322_0053	0.2	148
20250322_0103	0.1	157
20250322_0113	0.9	107
20250322_0123	0.1	303
20250322_0133	0.1	136
20250322_0143	0.1	67
20250322_0153	0.1	100
20250322_0203	0.1	135
20250322_0213	0.1	32
20250322_0223	0.1	27
20250322_0233	0.1	154
20250322_0243	0.1	140
20250322_0253	0.1	77
20250322_0303	0.1	127
20250322_0313	0.1	67
20250322_0323	0.1	75
20250322_0333	0.1	119
20250322_0343	0.1	74
20250322_0353	0.1	73
20250322_0403	0.1	87
20250322_0413	0.1	88
20250322_0423	0.1	88
20250322_0433	0.1	88
20250322_0443	0.1	80
20250322_0453	0.1	140
20250322_0503	0.1	80
20250322_0513	0.1	102
20250322_0523	0.1	133
20250322_0533	0.1	71
20250322_0543	0.1	88
20250322_0553	0.1	122
20250322_0603	0.1	84
20250322_0613	0.1	81
20250322_0623	0.1	115
20250322_0633	0.1	134
20250322_0643	0.1	151
20250322_0653	0.1	111
20250322_0703	0.1	112
20250322_0713	0.1	128
20250322_0723	0.1	151
20250322_0733	0.1	130
20250322_0743	0.1	109
20250322_0753	0.1	129
20250322_0803	0.1	122
20250322_0813	0.1	125
20250322_0823	0.2	125
20250322_0833	0.3	147
20250322_0843	0.1	134
20250322_0853	0.2	129
20250322_0903	0.2	142
20250322_0913	0.1	102
20250322_0923	0.1	38
20250322_0933	0.1	102
20250322_0943	4.2	100
20250322_0953	0.3	18
20250322_1003	0.8	116
20250322_1013	0.4	126
20250322_1023	0.1	103
20250322_1033	0.5	353
20250322_1043	0.4	115
20250322_1053	0.2	117
20250322_1103	0.3	164
20250322_1113	0.4	83
20250322_1123	0.1	321
20250322_1133	0.1	300
20250322_1143	2.8	310
20250322_1153	1	79

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250322_1203	0.2	277
20250322_1213	1.2	140
20250322_1223	0.1	85
20250322_1233	1.2	155
20250322_1243	0.1	261
20250322_1253	1	89
20250322_1303	0.8	80
20250322_1313	1.5	139
20250322_1323	0.1	10
20250322_1333	0.4	49
20250322_1343	0.2	57
20250322_1353	0.2	91
20250322_1403	1.7	70
20250322_1413	1.3	142
20250322_1423	2.6	125
20250322_1433	3	107
20250322_1443	8.1	110
20250322_1453	0.9	323
20250322_1503	0.1	332
20250322_1513	1.9	248
20250322_1523	2	135
20250322_1533	0.1	19
20250322_1543	0.6	73
20250322_1553	0.1	225
20250322_1603	0.2	127
20250322_1613	0.1	240
20250322_1623	1.7	166
20250322_1633	0.2	222
20250322_1643	0.1	99
20250322_1653	0.2	37
20250322_1703	0.2	47
20250322_1713	0.4	53
20250322_1723	0.1	258
20250322_1733	0.1	46
20250322_1743	0.3	166
20250322_1753	0.1	58
20250322_1803	0.1	41
20250322_1813	0.1	207
20250322_1823	0.1	125
20250322_1833	0.1	46
20250322_1843	0.1	13
20250322_1853	0.1	36
20250322_1903	0.1	76
20250322_1913	0.1	307
20250322_1923	0.1	288
20250322_1933	0.1	128
20250322_1943	0.1	116
20250322_1953	0.1	110
20250322_2003	0.1	142
20250322_2013	0.1	110
20250322_2023	0.1	76
20250322_2033	0.1	293
20250322_2043	0.1	227
20250322_2053	0.1	74
20250322_2103	0.1	283
20250322_2113	0.1	203
20250322_2123	0.1	192
20250322_2133	0.1	27
20250322_2143	0.1	196
20250322_2153	0.1	345
20250322_2203	0.3	64
20250322_2213	0.2	90
20250322_2223	0.8	101
20250322_2233	0.2	105
20250322_2243	0.1	352
20250322_2253	0.1	261
20250322_2303	0.1	285
20250322_2313	0.1	335
20250322_2323	0.1	75
20250322_2333	0.1	44
20250322_2343	0.1	80
20250322_2353	0.1	44

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250323_0003	0.1	151
20250323_0013	0.1	11
20250323_0023	0.1	114
20250323_0033	0.2	66
20250323_0043	0.1	125
20250323_0053	0.1	71
20250323_0103	0.1	132
20250323_0113	0.1	39
20250323_0123	0.1	143
20250323_0133	0.1	27
20250323_0143	0.1	263
20250323_0153	0.1	142
20250323_0203	0.1	148
20250323_0213	0.1	285
20250323_0223	0.1	68
20250323_0233	0.1	143
20250323_0243	0.1	53
20250323_0253	0.1	144
20250323_0303	0.1	87
20250323_0313	0.1	68
20250323_0323	0.1	53
20250323_0333	0.1	53
20250323_0343	0.1	106
20250323_0353	0.1	102
20250323_0403	0.1	99
20250323_0413	0.1	67
20250323_0423	0.1	103
20250323_0433	0.1	83
20250323_0443	0.1	334
20250323_0453	0.1	51
20250323_0503	0.1	51
20250323_0513	0.1	85
20250323_0523	0.1	72
20250323_0533	0.1	80
20250323_0543	0.1	70
20250323_0553	0.1	104
20250323_0603	0.1	104
20250323_0613	0.1	116
20250323_0623	0.1	101
20250323_0633	0.1	86
20250323_0643	0.1	53
20250323_0653	0.1	133
20250323_0703	0.1	149
20250323_0713	0.1	152
20250323_0723	0.1	122
20250323_0733	0.1	129
20250323_0743	0.1	131
20250323_0753	0.1	133
20250323_0803	0.1	135
20250323_0813	0.1	141
20250323_0823	0.1	138
20250323_0833	0.2	131
20250323_0843	0.2	132
20250323_0853	0.1	122
20250323_0903	0.5	131
20250323_0913	0.4	137
20250323_0923	0.1	112
20250323_0933	0.1	66
20250323_0943	0.1	137
20250323_0953	0.1	77
20250323_1003	0.1	139
20250323_1013	0.1	36
20250323_1023	0.1	257
20250323_1033	0.1	325
20250323_1043	0.2	6
20250323_1053	0.9	222
20250323_1103	0.5	281
20250323_1113	0.1	230
20250323_1123	0.6	332
20250323_1133	1.7	125
20250323_1143	0.1	146
20250323_1153	0.6	143

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250323_1203	0.6	30
20250323_1213	1.2	18
20250323_1223	0.1	6
20250323_1233	0.1	30
20250323_1243	0.1	133
20250323_1253	1.6	119
20250323_1303	0.1	229
20250323_1313	1.3	146
20250323_1323	0.7	251
20250323_1333	0.1	42
20250323_1343	0.4	154
20250323_1353	0.1	317
20250323_1403	0.1	30
20250323_1413	0.1	191
20250323_1423	0.1	220
20250323_1433	0.1	331
20250323_1443	0.1	304
20250323_1453	0.3	78
20250323_1503	1.8	115
20250323_1513	0.1	98
20250323_1523	0.1	130
20250323_1533	0.1	126
20250323_1543	0.1	290
20250323_1553	0.3	141
20250323_1603	0.1	134
20250323_1613	0.1	92
20250323_1623	0.1	144
20250323_1633	0.1	120
20250323_1643	0.1	113
20250323_1653	0.1	51
20250323_1703	0.8	147
20250323_1713	0.1	147
20250323_1723	0.1	135
20250323_1733	0.1	22
20250323_1743	0.1	51
20250323_1753	0.1	124
20250323_1803	0.1	117
20250323_1813	0.1	147
20250323_1823	0.1	110
20250323_1833	0.1	105
20250323_1843	0.1	333
20250323_1853	0.1	35
20250323_1903	0.1	40
20250323_1913	0.1	130
20250323_1923	0.1	122
20250323_1933	0.1	106
20250323_1943	0.4	60
20250323_1953	0.1	163
20250323_2003	0.1	135
20250323_2013	0.1	121
20250323_2023	0.1	165
20250323_2033	0.1	150
20250323_2043	0.1	91
20250323_2053	0.1	117
20250323_2103	0.1	104
20250323_2113	0.1	84
20250323_2123	0.1	89
20250323_2133	0.1	85
20250323_2143	0.1	95
20250323_2153	0.1	163
20250323_2203	0.1	121
20250323_2213	0.1	153
20250323_2223	0.1	153
20250323_2233	0.1	150
20250323_2243	0.1	95
20250323_2253	0.1	94
20250323_2303	0.1	93
20250323_2313	0.1	93
20250323_2323	0.1	95
20250323_2333	0.1	99
20250323_2343	0.1	96
20250323_2353	0.1	96

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250324_0003	0.1	144
20250324_0013	0.1	99
20250324_0023	0.1	98
20250324_0033	0.1	77
20250324_0043	0.1	80
20250324_0053	0.1	78
20250324_0103	0.1	146
20250324_0113	0.1	79
20250324_0123	0.1	212
20250324_0133	0.1	164
20250324_0143	0.1	96
20250324_0153	0.1	79
20250324_0203	0.1	82
20250324_0213	0.1	91
20250324_0223	0.1	118
20250324_0233	0.1	178
20250324_0243	0.1	80
20250324_0253	0.1	73
20250324_0303	0.1	73
20250324_0313	0.1	93
20250324_0323	0.1	68
20250324_0333	0.1	286
20250324_0343	0.1	158
20250324_0353	0.1	108
20250324_0403	0.1	108
20250324_0413	0.1	67
20250324_0423	0.1	77
20250324_0433	0.1	77
20250324_0443	0.1	77
20250324_0453	0.1	70
20250324_0503	0.1	72
20250324_0513	0.1	73
20250324_0523	0.1	73
20250324_0533	0.1	313
20250324_0543	0.1	132
20250324_0553	0.1	302
20250324_0603	0.1	65
20250324_0613	0.1	65
20250324_0623	0.1	90
20250324_0633	0.1	91
20250324_0643	0.1	89
20250324_0653	0.1	159
20250324_0703	0.1	152
20250324_0713	0.1	152
20250324_0723	0.1	131
20250324_0733	0.1	123
20250324_0743	0.1	128
20250324_0753	0.1	123
20250324_0803	0.1	130
20250324_0813	0.2	144
20250324_0823	0.1	119
20250324_0833	0.1	138
20250324_0843	0.1	136
20250324_0853	0.5	143
20250324_0903	0.1	148
20250324_0913	0.3	139
20250324_0923	0.4	130
20250324_0933	0.1	248
20250324_0943	0.1	66
20250324_0953	0.1	281
20250324_1003	0.2	68
20250324_1013	1.1	128
20250324_1023	0.2	143
20250324_1033	0.4	143
20250324_1043	0.1	148
20250324_1053	1.2	145
20250324_1103	0.1	309
20250324_1113	0.2	163
20250324_1123	0.1	112
20250324_1133	0.2	184
20250324_1143	0.2	161
20250324_1153	0.2	115

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250324_1203	0.1	331
20250324_1213	0.1	145
20250324_1223	0.1	166
20250324_1233	0.1	132
20250324_1243	0.1	84
20250324_1253	0.1	193
20250324_1303	1.2	123
20250324_1313	0.2	69
20250324_1323	2.3	157
20250324_1333	0.1	45
20250324_1343	0.1	265
20250324_1353	0.1	130
20250324_1403	0.1	101
20250324_1413	0.1	280
20250324_1423	0.6	107
20250324_1433	1.3	108
20250324_1443	0.1	242
20250324_1453	1.6	156
20250324_1503	0.1	154
20250324_1513	0.1	91
20250324_1523	0.1	80
20250324_1533	0.3	149
20250324_1543	1	142
20250324_1553	0.1	195
20250324_1603	1	110
20250324_1613	0.1	307
20250324_1623	0.4	182
20250324_1633	0.1	142
20250324_1643	0.5	142
20250324_1653	0.1	233
20250324_1703	0.1	138
20250324_1713	0.1	146
20250324_1723	0.6	106
20250324_1733	0.1	220
20250324_1743	0.1	320
20250324_1753	0.1	145
20250324_1803	0.1	127
20250324_1813	0.1	296
20250324_1823	0.1	347
20250324_1833	0.1	129
20250324_1843	0.1	119
20250324_1853	0.1	119
20250324_1903	0.1	79
20250324_1913	0.1	179
20250324_1923	0.1	156
20250324_1933	0.1	155
20250324_1943	0.1	116
20250324_1953	0.1	91
20250324_2003	0.1	165
20250324_2013	0.1	75
20250324_2023	0.1	163
20250324_2033	0.1	153
20250324_2043	0.1	106
20250324_2053	0.1	105
20250324_2103	0.1	148
20250324_2113	0.1	145
20250324_2123	0.1	81
20250324_2133	0.1	91
20250324_2143	0.1	91
20250324_2153	0.1	101
20250324_2203	0.1	109
20250324_2213	0.1	108
20250324_2223	0.1	96
20250324_2233	0.1	96
20250324_2243	0.1	96
20250324_2253	0.1	95
20250324_2303	0.1	91
20250324_2313	0.1	75
20250324_2323	0.1	37
20250324_2333	0.1	38
20250324_2343	0.1	47
20250324_2353	0.1	81

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250325_0003	0.1	59
20250325_0013	0.1	60
20250325_0023	0.1	53
20250325_0033	0.1	53
20250325_0043	0.1	53
20250325_0053	0.1	53
20250325_0103	0.1	144
20250325_0113	0.1	138
20250325_0123	0.1	76
20250325_0133	0.1	141
20250325_0143	0.1	141
20250325_0153	0.1	154
20250325_0203	0.1	154
20250325_0213	0.1	153
20250325_0223	0.1	78
20250325_0233	0.1	78
20250325_0243	0.1	86
20250325_0253	0.1	86
20250325_0303	0.1	86
20250325_0313	0.1	86
20250325_0323	0.1	109
20250325_0333	0.1	119
20250325_0343	0.1	133
20250325_0353	0.1	93
20250325_0403	0.1	77
20250325_0413	0.1	97
20250325_0423	0.1	6
20250325_0433	0.1	0
20250325_0443	0.1	142
20250325_0453	0.1	52
20250325_0503	0.1	296
20250325_0513	0.1	82
20250325_0523	0.1	163
20250325_0533	0.1	93
20250325_0543	0.1	230
20250325_0553	0.1	23
20250325_0603	0.1	68
20250325_0613	0.1	81
20250325_0623	0.1	167
20250325_0633	0.1	1
20250325_0643	0.1	78
20250325_0653	0.1	78
20250325_0703	0.1	76
20250325_0713	0.1	114
20250325_0723	0.1	107
20250325_0733	0.1	128
20250325_0743	0.1	122
20250325_0753	0.1	136
20250325_0803	0.1	101
20250325_0813	0.1	133
20250325_0823	0.1	127
20250325_0833	0.1	121
20250325_0843	0.1	143
20250325_0853	0.2	106
20250325_0903	0.2	134
20250325_0913	0.1	166
20250325_0923	0.1	157
20250325_0933	0.2	165
20250325_0943	0.6	139
20250325_0953	0.2	256
20250325_1003	1.3	136
20250325_1013	0.1	60
20250325_1023	0.1	268
20250325_1033	0.1	157
20250325_1043	0.2	224
20250325_1053	0.4	155
20250325_1103	0.1	79
20250325_1113	0.1	150
20250325_1123	0.5	144
20250325_1133	0.2	28
20250325_1143	0.1	16
20250325_1153	0.1	203

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250325_1203	0.1	97
20250325_1213	0.1	308
20250325_1223	0.1	288
20250325_1233	0.2	152
20250325_1243	0.3	215
20250325_1253	0.1	308
20250325_1303	0.9	127
20250325_1313	0.1	141
20250325_1323	0.1	209
20250325_1333	0.2	247
20250325_1343	0.1	184
20250325_1353	0.1	25
20250325_1403	0.2	215
20250325_1413	0.2	152
20250325_1423	0.1	285
20250325_1433	1.1	74
20250325_1443	0.8	87
20250325_1453	0.1	266
20250325_1503	0.1	234
20250325_1513	0.7	84
20250325_1523	0.1	119
20250325_1533	0.1	305
20250325_1543	0.1	200
20250325_1553	0.6	5
20250325_1603	0.2	124
20250325_1613	0.4	144
20250325_1623	0.5	147
20250325_1633	0.1	119
20250325_1643	0.1	55
20250325_1653	0.1	95
20250325_1703	0.1	136
20250325_1713	0.1	110
20250325_1723	0.1	68
20250325_1733	0.1	146
20250325_1743	0.1	219
20250325_1753	0.1	155
20250325_1803	0.1	95
20250325_1813	0.1	138
20250325_1823	0.1	293
20250325_1833	0.2	48
20250325_1843	0.1	1
20250325_1853	0.1	142
20250325_1903	0.1	154
20250325_1913	0.1	71
20250325_1923	0.1	128
20250325_1933	0.1	128
20250325_1943	0.1	153
20250325_1953	0.1	131
20250325_2003	0.1	144
20250325_2013	0.1	151
20250325_2023	0.1	119
20250325_2033	0.1	127
20250325_2043	0.1	126
20250325_2053	0.1	140
20250325_2103	0.1	127
20250325_2113	0.1	115
20250325_2123	0.1	108
20250325_2133	0.1	130
20250325_2143	0.1	335
20250325_2153	0.1	141
20250325_2203	0.1	84
20250325_2213	0.1	95
20250325_2223	0.1	135
20250325_2233	0.1	110
20250325_2243	0.1	106
20250325_2253	0.1	130
20250325_2303	0.1	111
20250325_2313	0.1	116
20250325_2323	0.1	99
20250325_2333	0.1	50
20250325_2343	0.1	41
20250325_2353	0.1	331

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250326_0003	0.1	348
20250326_0013	0.1	163
20250326_0023	0.1	62
20250326_0033	0.1	304
20250326_0043	0.1	7
20250326_0053	0.1	196
20250326_0103	0.1	157
20250326_0113	0.1	147
20250326_0123	0.1	73
20250326_0133	0.1	152
20250326_0143	0.1	286
20250326_0153	0.1	75
20250326_0203	0.1	83
20250326_0213	0.1	295
20250326_0223	0.1	151
20250326_0233	0.1	161
20250326_0243	0.1	157
20250326_0253	0.1	71
20250326_0303	0.1	31
20250326_0313	0.1	41
20250326_0323	0.1	244
20250326_0333	0.1	333
20250326_0343	0.1	155
20250326_0353	0.1	156
20250326_0403	0.1	118
20250326_0413	0.1	118
20250326_0423	0.1	104
20250326_0433	0.1	90
20250326_0443	0.1	154
20250326_0453	0.1	104
20250326_0503	0.1	106
20250326_0513	0.1	89
20250326_0523	0.1	94
20250326_0533	0.1	295
20250326_0543	0.1	102
20250326_0553	0.1	83
20250326_0603	0.1	159
20250326_0613	0.1	93
20250326_0623	0.1	12
20250326_0633	0.1	73
20250326_0643	0.1	77
20250326_0653	0.1	131
20250326_0703	0.1	142
20250326_0713	0.1	148
20250326_0723	0.1	54
20250326_0733	0.1	119
20250326_0743	0.1	137
20250326_0753	0.1	141
20250326_0803	0.1	138
20250326_0813	0.1	140
20250326_0823	0.1	157
20250326_0833	0.1	302
20250326_0843	0.1	151
20250326_0853	0.1	266
20250326_0903	0.1	278
20250326_0913	0.1	255
20250326_0923	0.1	186
20250326_0933	0.1	280
20250326_0943	0.1	93
20250326_0953	0.1	270
20250326_1003	3.4	143
20250326_1013	0.1	183
20250326_1023	0.1	290
20250326_1033	0.1	323
20250326_1043	0.1	21
20250326_1053	0.1	83
20250326_1103	1.8	144
20250326_1113	0.2	85
20250326_1123	1.1	327
20250326_1133	0.6	117
20250326_1143	0.5	314
20250326_1153	0.2	255

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250326_1203	0.1	103
20250326_1213	0.1	161
20250326_1223	0.1	259
20250326_1233	0.8	146
20250326_1243	0.2	164
20250326_1253	0.1	218
20250326_1303	0.1	211
20250326_1313	0.1	333
20250326_1323	0.1	137
20250326_1333	0.1	118
20250326_1343	0.6	107
20250326_1353	0.2	136
20250326_1403	0.1	158
20250326_1413	0.1	74
20250326_1423	1.2	102
20250326_1433	0.1	290
20250326_1443	1	150
20250326_1453	0.1	346
20250326_1503	0.1	274
20250326_1513	0.2	141
20250326_1523	0.1	105
20250326_1533	0.3	138
20250326_1543	0.1	261
20250326_1553	0.1	290
20250326_1603	0.1	25
20250326_1613	0.1	68
20250326_1623	0.1	152
20250326_1633	0.1	117
20250326_1643	0.1	2
20250326_1653	0.1	169
20250326_1703	0.1	349
20250326_1713	0.1	108
20250326_1723	0.1	180
20250326_1733	0.1	175
20250326_1743	0.1	122
20250326_1753	0.1	307
20250326_1803	0.1	147
20250326_1813	0.1	110
20250326_1823	0.1	136
20250326_1833	0.1	96
20250326_1843	0.1	137
20250326_1853	0.1	55
20250326_1903	0.1	119
20250326_1913	0.1	53
20250326_1923	0.1	44
20250326_1933	0.1	150
20250326_1943	0.1	92
20250326_1953	0.1	114
20250326_2003	0.1	89
20250326_2013	0.1	97
20250326_2023	0.1	88
20250326_2033	0.1	96
20250326_2043	0.1	303
20250326_2053	0.1	154
20250326_2103	0.1	106
20250326_2113	0.1	143
20250326_2123	0.1	192
20250326_2133	0.1	4
20250326_2143	0.1	84
20250326_2153	0.1	108
20250326_2203	0.1	135
20250326_2213	0.3	203
20250326_2223	0.2	120
20250326_2233	0.1	84
20250326_2243	0.1	30
20250326_2253	0.1	149
20250326_2303	0.1	159
20250326_2313	0.1	116
20250326_2323	0.1	58
20250326_2333	0.1	93
20250326_2343	0.1	16
20250326_2353	0.1	130

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250327_0003	0.1	213
20250327_0013	0.1	150
20250327_0023	0.1	149
20250327_0033	0.2	138
20250327_0043	0.1	84
20250327_0053	0.1	66
20250327_0103	0.1	67
20250327_0113	0.1	71
20250327_0123	0.1	47
20250327_0133	0.1	53
20250327_0143	0.1	53
20250327_0153	0.1	52
20250327_0203	0.1	48
20250327_0213	0.1	46
20250327_0223	0.1	50
20250327_0233	0.1	332
20250327_0243	0.1	143
20250327_0253	0.1	23
20250327_0303	0.1	62
20250327_0313	0.1	263
20250327_0323	0.1	78
20250327_0333	0.1	60
20250327_0343	0.1	60
20250327_0353	0.1	60
20250327_0403	0.1	341
20250327_0413	0.1	23
20250327_0423	0.1	33
20250327_0433	0.1	144
20250327_0443	0.1	157
20250327_0453	0.1	98
20250327_0503	0.1	47
20250327_0513	0.1	47
20250327_0523	0.1	339
20250327_0533	0.1	157
20250327_0543	0.1	48
20250327_0553	0.1	76
20250327_0603	0.1	99
20250327_0613	0.1	116
20250327_0623	0.1	87
20250327_0633	0.1	119
20250327_0643	0.1	101
20250327_0653	0.1	159
20250327_0703	0.1	49
20250327_0713	0.1	53
20250327_0723	0.1	90
20250327_0733	0.1	36
20250327_0743	0.1	25
20250327_0753	0.4	298
20250327_0803	0.1	132
20250327_0813	0.5	147
20250327_0823	0.4	158
20250327_0833	0.1	269
20250327_0843	0.1	108
20250327_0853	0.8	308
20250327_0903	0.2	89
20250327_0913	0.2	102
20250327_0923	0.3	99
20250327_0933	0.1	35
20250327_0943	0.1	24
20250327_0953	0.1	47
20250327_1003	0.1	311
20250327_1013	0.7	163
20250327_1023	0.3	72
20250327_1033	0.1	332
20250327_1043	0.4	135
20250327_1053	0.1	147
20250327_1103	0.1	14
20250327_1113	0.6	96
20250327_1123	0.1	190
20250327_1133	0.4	93
20250327_1143	3.9	216
20250327_1153	0.2	28

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250327_1203	0.1	82
20250327_1213	1.1	255
20250327_1223	0.6	157
20250327_1233	0.7	124
20250327_1243	0.1	340
20250327_1253	0.5	124
20250327_1303	0.1	319
20250327_1313	1.2	125
20250327_1323	5	191
20250327_1333	1.5	149
20250327_1343	0.1	115
20250327_1353	0.3	96
20250327_1403	0.2	92
20250327_1413	0.4	95
20250327_1423	0.1	149
20250327_1433	0.1	94
20250327_1443	0.2	315
20250327_1453	0.1	120
20250327_1503	0.1	304
20250327_1513	0.1	23
20250327_1523	0.3	324
20250327_1533	0.1	129
20250327_1543	0.1	2
20250327_1553	0.2	99
20250327_1603	0.8	263
20250327_1613	0.1	7
20250327_1623	0.1	224
20250327_1633	0.4	145
20250327_1643	0.2	106
20250327_1653	0.1	348
20250327_1703	0.1	104
20250327_1713	0.1	162
20250327_1723	0.1	347
20250327_1733	0.1	107
20250327_1743	0.1	283
20250327_1753	0.1	51
20250327_1803	0.1	16
20250327_1813	0.1	199
20250327_1823	0.1	291
20250327_1833	0.2	170
20250327_1843	0.1	228
20250327_1853	0.1	129
20250327_1903	0.1	200
20250327_1913	0.1	305
20250327_1923	0.1	275
20250327_1933	0.1	144
20250327_1943	0.1	187
20250327_1953	0.1	150
20250327_2003	0.1	345
20250327_2013	0.1	160
20250327_2023	0.1	282
20250327_2033	0.1	349
20250327_2043	0.1	309
20250327_2053	0.3	232
20250327_2103	0.1	283
20250327_2113	0.1	160
20250327_2123	0.1	287
20250327_2133	0.1	85
20250327_2143	0.1	351
20250327_2153	0.1	148
20250327_2203	0.1	44
20250327_2213	0.1	140
20250327_2223	0.1	141
20250327_2233	0.1	206
20250327_2243	0.2	163
20250327_2253	0.3	120
20250327_2303	0.1	53
20250327_2313	0.1	231
20250327_2323	0.1	153
20250327_2333	0.1	329
20250327_2343	0.1	130
20250327_2353	0.1	135

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250328_0003	0.1	282
20250328_0013	0.1	149
20250328_0023	0.1	16
20250328_0033	0.1	176
20250328_0043	0.1	147
20250328_0053	0.1	165
20250328_0103	0.1	115
20250328_0113	0.1	20
20250328_0123	0.1	128
20250328_0133	0.1	22
20250328_0143	0.1	149
20250328_0153	0.1	255
20250328_0203	0.2	52
20250328_0213	0.1	18
20250328_0223	0.1	307
20250328_0233	0.1	242
20250328_0243	0.1	271
20250328_0253	0.1	42
20250328_0303	0.1	272
20250328_0313	0.1	326
20250328_0323	0.1	37
20250328_0333	0.2	47
20250328_0343	0.1	85
20250328_0353	0.1	320
20250328_0403	0.3	96
20250328_0413	0.1	46
20250328_0423	0.1	352
20250328_0433	0.1	341
20250328_0443	0.1	166
20250328_0453	0.3	105
20250328_0503	0.9	37
20250328_0513	0.1	247
20250328_0523	0.1	146
20250328_0533	0.1	126
20250328_0543	0.1	0
20250328_0553	0.1	140
20250328_0603	0.1	82
20250328_0613	0.1	94
20250328_0623	0.1	90
20250328_0633	0.1	68
20250328_0643	0.1	335
20250328_0653	0.1	284
20250328_0703	0.1	314
20250328_0713	0.1	272
20250328_0723	0.1	207
20250328_0733	0.1	308
20250328_0743	0.1	156
20250328_0753	0.2	48
20250328_0803	0.2	66
20250328_0813	0.2	45
20250328_0823	1.7	90
20250328_0833	0.1	155
20250328_0843	0.2	82
20250328_0853	0.1	333
20250328_0903	0.2	303
20250328_0913	0.1	70
20250328_0923	0.1	347
20250328_0933	0.1	127
20250328_0943	0.1	102
20250328_0953	0.3	72
20250328_1003	0.5	144
20250328_1013	0.1	304
20250328_1023	0.2	36
20250328_1033	0.2	132
20250328_1043	0.3	147
20250328_1053	0.2	125
20250328_1103	0.1	171
20250328_1113	0.2	62
20250328_1123	0.6	133
20250328_1133	0.2	318
20250328_1143	0.2	272
20250328_1153	0.6	264

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250328_1203	0.5	7
20250328_1213	1.3	114
20250328_1223	0.1	168
20250328_1233	1.6	133
20250328_1243	0.8	85
20250328_1253	0.5	269
20250328_1303	1.1	112
20250328_1313	1.4	27
20250328_1323	0.6	32
20250328_1333	2.5	152
20250328_1343	1.1	114
20250328_1353	0.1	128
20250328_1403	0.2	344
20250328_1413	0.1	115
20250328_1423	0.3	60
20250328_1433	0.2	336
20250328_1443	0.3	56
20250328_1453	4.6	143
20250328_1503	0.1	301
20250328_1513	1.8	56
20250328_1523	1.1	136
20250328_1533	0.2	158
20250328_1543	0.6	52
20250328_1553	0.5	255
20250328_1603	1.9	340
20250328_1613	0.1	36
20250328_1623	0.6	288
20250328_1633	0.5	14
20250328_1643	0.1	289
20250328_1653	2.4	1
20250328_1703	0.1	13
20250328_1713	0.5	203
20250328_1723	0.7	344
20250328_1733	0.1	138
20250328_1743	0.7	84
20250328_1753	2	98
20250328_1803	3.9	108
20250328_1813	1	85
20250328_1823	0.1	80
20250328_1833	0.4	0
20250328_1843	2.8	96
20250328_1853	3	29
20250328_1903	1.2	325
20250328_1913	2	72
20250328_1923	3.4	55
20250328_1933	0.9	69
20250328_1943	1.5	1
20250328_1953	0.1	140
20250328_2003	2.7	330
20250328_2013	3.1	34
20250328_2023	0.3	204
20250328_2033	1	71
20250328_2043	0.8	327
20250328_2053	1.3	27
20250328_2103	1.5	326
20250328_2113	2.5	311
20250328_2123	2.7	347
20250328_2133	0.4	300
20250328_2143	0.1	89
20250328_2153	0.4	289
20250328_2203	0.1	256
20250328_2213	0.1	262
20250328_2223	0.4	115
20250328_2233	0.1	317
20250328_2243	0.2	127
20250328_2253	0.1	145
20250328_2303	0.1	127
20250328_2313	0.1	117
20250328_2323	0.1	143
20250328_2333	0.1	90
20250328_2343	0.1	173
20250328_2353	0.1	25

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250329_0003	0.2	138
20250329_0013	0.1	155
20250329_0023	0.1	348
20250329_0033	0.1	318
20250329_0043	0.1	290
20250329_0053	0.5	331
20250329_0103	0.2	320
20250329_0113	0.8	301
20250329_0123	0.2	293
20250329_0133	2.9	320
20250329_0143	4.7	338
20250329_0153	1.4	344
20250329_0203	0.1	261
20250329_0213	0.1	215
20250329_0223	0.4	325
20250329_0233	0.1	338
20250329_0243	0.5	252
20250329_0253	0.1	346
20250329_0303	0.6	300
20250329_0313	0.1	256
20250329_0323	2.1	307
20250329_0333	0.2	285
20250329_0343	0.1	240
20250329_0353	0.3	53
20250329_0403	1	262
20250329_0413	0.2	274
20250329_0423	0.1	140
20250329_0433	0.9	307
20250329_0443	1.8	316
20250329_0453	0.1	244
20250329_0503	0.1	13
20250329_0513	0.1	348
20250329_0523	0.2	281
20250329_0533	0.1	251
20250329_0543	0.1	285
20250329_0553	0.1	126
20250329_0603	0.1	348
20250329_0613	0.1	318
20250329_0623	0.2	330
20250329_0633	0.2	341
20250329_0643	0.4	298
20250329_0653	0.1	18
20250329_0703	0.1	139
20250329_0713	0.1	331
20250329_0723	0.5	14
20250329_0733	0.3	308
20250329_0743	0.1	142
20250329_0753	0.2	88
20250329_0803	0.1	90
20250329_0813	0.1	24
20250329_0823	0.1	269
20250329_0833	0.1	1
20250329_0843	0.1	282
20250329_0853	0.1	334
20250329_0903	0.1	347
20250329_0913	0.1	273
20250329_0923	0.1	29
20250329_0933	0.8	275
20250329_0943	0.1	291
20250329_0953	0.1	41
20250329_1003	0.2	345
20250329_1013	0.2	51
20250329_1023	0.1	149
20250329_1033	0.3	302
20250329_1043	0.1	86
20250329_1053	0.1	50
20250329_1103	0.1	114
20250329_1113	0.1	306
20250329_1123	0.2	5
20250329_1133	0.2	13
20250329_1143	1.1	0
20250329_1153	0.2	351

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250329_1203	0.1	320
20250329_1213	0.2	320
20250329_1223	0.1	321
20250329_1233	0.2	302
20250329_1243	0.5	306
20250329_1253	0.1	34
20250329_1303	0.4	336
20250329_1313	0.1	162
20250329_1323	1.7	340
20250329_1333	0.2	3
20250329_1343	0.3	113
20250329_1353	0.1	201
20250329_1403	0.1	337
20250329_1413	0.1	317
20250329_1423	0.1	311
20250329_1433	0.5	306
20250329_1443	1	317
20250329_1453	0.1	46
20250329_1503	0.1	339
20250329_1513	0.2	64
20250329_1523	0.3	0
20250329_1533	0.3	325
20250329_1543	0.1	321
20250329_1553	0.6	2
20250329_1603	1	327
20250329_1613	0.4	350
20250329_1623	0.5	314
20250329_1633	0.4	352
20250329_1643	1.7	312
20250329_1653	0.2	289
20250329_1703	2.2	299
20250329_1713	0.3	340
20250329_1723	0.1	327
20250329_1733	0.2	349
20250329_1743	0.2	330
20250329_1753	2	335
20250329_1803	0.3	57
20250329_1813	0.6	338
20250329_1823	0.3	339
20250329_1833	0.1	335
20250329_1843	0.1	24
20250329_1853	0.1	313
20250329_1903	1.4	330
20250329_1913	0.7	332
20250329_1923	1.4	0
20250329_1933	0.5	314
20250329_1943	1.2	313
20250329_1953	0.2	351
20250329_2003	0.3	3
20250329_2013	0.5	301
20250329_2023	0.8	347
20250329_2033	0.4	314
20250329_2043	0.9	4
20250329_2053	0.9	333
20250329_2103	3.1	9
20250329_2113	0.1	28
20250329_2123	0.1	5
20250329_2133	1	7
20250329_2143	0.3	301
20250329_2153	0.8	299
20250329_2203	2.2	345
20250329_2213	1.1	11
20250329_2223	0.2	299
20250329_2233	2.3	347
20250329_2243	0.2	334
20250329_2253	0.1	343
20250329_2303	0.1	274
20250329_2313	4.5	322
20250329_2323	0.6	341
20250329_2333	0.3	10
20250329_2343	1.6	339
20250329_2353	0.1	7

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250330_0003	2.2	310
20250330_0013	1.1	308
20250330_0023	0.2	342
20250330_0033	0.2	325
20250330_0043	0.1	304
20250330_0053	0.1	288
20250330_0103	0.3	342
20250330_0113	1.2	0
20250330_0123	0.5	309
20250330_0133	0.1	300
20250330_0143	0.1	170
20250330_0153	0.1	256
20250330_0203	0.1	1
20250330_0213	0.3	321
20250330_0223	1.8	328
20250330_0233	1.1	339
20250330_0243	1	324
20250330_0253	0.1	30
20250330_0303	0.1	148
20250330_0313	0.1	103
20250330_0323	0.1	70
20250330_0333	0.1	125
20250330_0343	0.1	285
20250330_0353	0.2	328
20250330_0403	0.4	335
20250330_0413	1	341
20250330_0423	0.1	339
20250330_0433	1.1	317
20250330_0443	0.7	322
20250330_0453	0.1	298
20250330_0503	0.1	260
20250330_0513	0.1	331
20250330_0523	0.1	13
20250330_0533	0.2	3
20250330_0543	0.1	326
20250330_0553	0.1	1
20250330_0603	0.1	117
20250330_0613	0.1	134
20250330_0623	0.1	83
20250330_0633	0.2	282
20250330_0643	0.3	341
20250330_0653	0.1	3
20250330_0703	0.4	349
20250330_0713	0.1	152
20250330_0723	0.1	152
20250330_0733	0.1	131
20250330_0743	0.1	118
20250330_0753	0.1	308
20250330_0803	0.1	140
20250330_0813	0.1	136
20250330_0823	0.1	251
20250330_0833	0.1	105
20250330_0843	0.1	341
20250330_0853	0.1	42
20250330_0903	0.6	321
20250330_0913	0.7	353
20250330_0923	0.2	329
20250330_0933	0.2	5
20250330_0943	0.1	68
20250330_0953	0.1	21
20250330_1003	0.1	4
20250330_1013	0.4	30
20250330_1023	0.5	2
20250330_1033	0.1	314
20250330_1043	0.1	152
20250330_1053	0.1	5
20250330_1103	0.1	298
20250330_1113	0.7	340
20250330_1123	0.1	40
20250330_1133	0.4	277
20250330_1143	0.4	314
20250330_1153	0.2	339

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250330_1203	0.3	74
20250330_1213	1.6	329
20250330_1223	0.2	327
20250330_1233	1.7	321
20250330_1243	0.2	284
20250330_1253	1	332
20250330_1303	0.5	27
20250330_1313	5.5	326
20250330_1323	0.1	40
20250330_1333	3.5	300
20250330_1343	3.4	347
20250330_1353	1	2
20250330_1403	0.1	325
20250330_1413	0.5	321
20250330_1423	1.2	325
20250330_1433	0.1	75
20250330_1443	0.4	320
20250330_1453	1.1	327
20250330_1503	0.1	1
20250330_1513	0.1	20
20250330_1523	0.1	283
20250330_1533	0.4	346
20250330_1543	2	325
20250330_1553	0.7	333
20250330_1603	0.1	318
20250330_1613	0.3	342
20250330_1623	2	348
20250330_1633	1.1	11
20250330_1643	0.7	289
20250330_1653	1.1	6
20250330_1703	0.1	337
20250330_1713	0.6	298
20250330_1723	0.1	306
20250330_1733	0.8	316
20250330_1743	0.5	280
20250330_1753	1.5	303
20250330_1803	0.1	174
20250330_1813	0.1	113
20250330_1823	0.1	87
20250330_1833	0.1	222
20250330_1843	0.1	305
20250330_1853	0.1	347
20250330_1903	0.2	144
20250330_1913	0.1	133
20250330_1923	0.1	301
20250330_1933	0.1	142
20250330_1943	0.1	103
20250330_1953	0.1	147
20250330_2003	0.1	43
20250330_2013	0.1	292
20250330_2023	0.1	176
20250330_2033	0.1	145
20250330_2043	0.1	149
20250330_2053	0.1	136
20250330_2103	0.1	141
20250330_2113	0.1	291
20250330_2123	0.1	42
20250330_2133	0.1	346
20250330_2143	0.1	137
20250330_2153	0.1	122
20250330_2203	0.1	132
20250330_2213	0.1	288
20250330_2223	0.1	135
20250330_2233	0.1	129
20250330_2243	0.1	347
20250330_2253	0.1	31
20250330_2303	0.1	4
20250330_2313	0.1	197
20250330_2323	0.1	132
20250330_2333	0.1	154
20250330_2343	0.1	120
20250330_2353	0.1	65

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250331_0003	0.1	93
20250331_0013	0.2	309
20250331_0023	0.2	10
20250331_0033	0.4	341
20250331_0043	0.2	336
20250331_0053	0.1	54
20250331_0103	0.1	111
20250331_0113	0.1	257
20250331_0123	0.1	118
20250331_0133	0.1	56
20250331_0143	0.1	230
20250331_0153	0.1	236
20250331_0203	0.1	253
20250331_0213	0.1	137
20250331_0223	0.1	135
20250331_0233	0.1	127
20250331_0243	0.1	261
20250331_0253	0.1	291
20250331_0303	0.1	290
20250331_0313	0.1	97
20250331_0323	0.1	323
20250331_0333	0.1	166
20250331_0343	0.1	137
20250331_0353	0.1	231
20250331_0403	0.1	167
20250331_0413	0.2	108
20250331_0423	0.1	147
20250331_0433	0.1	255
20250331_0443	0.1	133
20250331_0453	0.1	238
20250331_0503	0.1	270
20250331_0513	0.1	118
20250331_0523	0.1	289
20250331_0533	0.1	79
20250331_0543	0.1	76
20250331_0553	0.1	80
20250331_0603	0.1	172
20250331_0613	0.1	137
20250331_0623	0.1	162
20250331_0633	0.1	128
20250331_0643	0.1	259
20250331_0653	0.1	21
20250331_0703	0.1	45
20250331_0713	0.1	117
20250331_0723	0.1	119
20250331_0733	0.1	253
20250331_0743	0.1	313
20250331_0753	0.1	151
20250331_0803	0.1	127
20250331_0813	0.1	144
20250331_0823	0.1	123
20250331_0833	0.1	235
20250331_0843	0.1	138
20250331_0853	0.1	109
20250331_0903	0.1	132
20250331_0913	0.1	110
20250331_0923	0.1	155
20250331_0933	0.2	142
20250331_0943	0.1	158
20250331_0953	0.1	282
20250331_1003	0.1	110
20250331_1013	0.1	299
20250331_1023	0.1	162
20250331_1033	0.1	75
20250331_1043	0.1	148
20250331_1053	0.1	87
20250331_1103	0.1	134
20250331_1113	0.1	132
20250331_1123	0.1	113
20250331_1133	0.4	123
20250331_1143	0.1	40
20250331_1153	0.1	138

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250331_1203	0.1	349
20250331_1213	0.1	281
20250331_1223	0.3	114
20250331_1233	0.1	325
20250331_1243	0.1	114
20250331_1253	0.1	290
20250331_1303	0.1	148
20250331_1313	0.1	5
20250331_1323	0.1	6
20250331_1333	0.1	23
20250331_1343	0.1	41
20250331_1353	0.1	138
20250331_1403	0.1	309
20250331_1413	0.1	39
20250331_1423	0.1	322
20250331_1433	0.1	143
20250331_1443	0.1	207
20250331_1453	0.1	305
20250331_1503	0.1	2
20250331_1513	0.1	140
20250331_1523	0.1	342
20250331_1533	0.1	225
20250331_1543	0.1	91
20250331_1553	0.1	59
20250331_1603	0.1	11
20250331_1613	0.1	124
20250331_1623	0.1	162
20250331_1633	0.1	299
20250331_1643	0.1	43
20250331_1653	0.1	248
20250331_1703	0.1	73
20250331_1713	0.1	159
20250331_1723	0.1	334
20250331_1733	0.1	148
20250331_1743	0.2	322
20250331_1753	0.1	343
20250331_1803	0.1	53
20250331_1813	0.8	350
20250331_1823	2.3	328
20250331_1833	0.1	292
20250331_1843	0.1	329
20250331_1853	0.1	27
20250331_1903	0.1	276
20250331_1913	0.1	8
20250331_1923	0.1	269
20250331_1933	0.1	114
20250331_1943	0.1	300
20250331_1953	0.2	331
20250331_2003	0.1	329
20250331_2013	0.1	285
20250331_2023	0.6	315
20250331_2033	0.6	331
20250331_2043	0.1	30
20250331_2053	0.1	56
20250331_2103	0.1	160
20250331_2113	0.1	289
20250331_2123	0.1	287
20250331_2133	0.1	33
20250331_2143	0.1	260
20250331_2153	0.1	5
20250331_2203	0.1	69
20250331_2213	0.1	294
20250331_2223	0.1	100
20250331_2233	0.1	5
20250331_2243	0.1	333
20250331_2253	0.1	336
20250331_2303	3.9	312
20250331_2313	0.1	313
20250331_2323	0.1	171
20250331_2333	0.9	302
20250331_2343	0.1	290
20250331_2353	0.3	307

Appendix J Waste Flow Table

Waste Flow Table

Month	Total Quantity Generated	Total Quantities of Inert C&D Materials to be Generated from the Contract					Total Quantities of Recyclables Generation				Total Quantities of C&D Materials to be Generated from the Contract		
		Hard Rock and Large Broken Concrete	Reused in the Contract	Reused in Other Projects	Disposed as Public Fill	Imported Fill	Metals	Paper / Cardboard Packaging	Plastics	Yard Waste (to Y-Park)	Chemical Waste	General Refuse	Others, e.g. non-recyclable yard waste
	(in tonne)	(in tonne)	(in tonne)	(in tonne)	(in tonne)	(in tonne)	(in tonne)	(in tonne)	(in tonne)	(in tonne)	(in '000L)	(in tonne)	(in tonne)
Jan-25	168,652.78	0	48361.85	119,302	0	849.35	0	0	0	0	0	57.76	81.82
Feb-25	289,409.40	0	120705.57	168,201	0	115.28	0	0	0	0	0	145.67	241.88
Mar-25	206,271.43	0	52172.73	153,388	0	418.2	0	0	0	0	0	136.24	156.26
Total	664,333.61	0.00	221,240.15	440,891.00	0.00	1,382.83	0.00	0.00	0.00	0.00	0.00	339.67	479.96

Note:

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

Appendix K Joint Environmental Site Inspection Records

Follow up action for previous Site Inspection:




1. 17 February 2025 Observation 2 – Wheel-washing was provided at the site exit of Portion E4.
2. 24 February 2025 Observation 1 – Stagnant water and silt were removed from the chemical drip tray and covered with a tarpaulin in Portion A.

Observation(s):

1. The unpaved haul road is dry, and fugitive dust is observed at Portion A.

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

1. The Contractor has been advised to increase the frequency of watering on the unpaved haul road to minimize dust dispersion at Portion A.

	Environmental Team's Representative:	Independent Environmental Checker's Representative:	Contractor's Representative:	Employee's Representative
Signature:		/		
Name:	Joan Lo	/	Matt Choy/Kristy Wong/ Kyrie Wong	Simon Lee/ Marus Tam/ Kenneth Lam/ Saga Lam
Date:	03 March 2025	/	03 March 2025	03 March 2025

Follow up action for previous Site Inspection:




1. 3 March 2025 Observation 1 – The increasing of water frequency was implemented at the access road of Portion A by the contractor.

Observation(s):

1. Access road at Portion A was dry and dust dispersion was found at the access road.
2. Chemical containers without drip tray were found at Portion A.

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

1. The Contractor has been recommended to increase water frequency of the access road at Portion A to avoid the dust dispersion when the vehicle go through the access road.
2. The Contractor has been advised to provide the drip tray under chemical containers at the Portion A.

	Environmental Team's Representative:	Independent Environmental Checker's Representative:	Contractor's Representative:	Employee's Representative
Signature:		/		
Name:	Jason Man	/	Matt Choy/Kristy Wong/ Kyrie Wong	Simon Lee/ Marus Tam/Kenneth Lam/ Saga Lam
Date:	10 March 2025	/	10 March 2025	10 March 2025

Follow up action for previous Site Inspection:





1. 10 March 2025 Observation 1 – The water spraying was conducted at the access road of Portion A by the contractor.
2. 10 March 2025 Observation 2 – The chemical containers at Portion A were covered by impervious sheet by the contractor.

Observation(s):

1. The dust dispersion was found at Portion E4.
2. The construction runoff at the access road of Portion E4 was found based on the damage of water hose.
3. The accumulated water at Portion D was found because of the damage of water hose.
4. The general waste was found on the floor of 1/F of site building at Portion D.

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

1. The Contractor was advised that the dust control measure (e.g. water spraying) should be implemented when the construction work is conducted.
2. The Contractor was recommended that the construction runoff should be directed to silt removal facility for treatment and the regular inspection and maintenance should be conducted to minimise producing construction runoff.
3. The Contractor was recommended that the construction runoff should be directed to silt removal facility for treatment and the regular inspection and maintenance should be conducted to minimise producing construction runoff.
4. The Contractor was advised to ensure the general waste should be placed into enclosed rubbish bin.

	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/ Kyrie Wong	Simon Lee/ Marus Tam/ Kenneth Lam/ Saga Lam
Date:	17 March 2025	17 March 2025	10 March 2025	10 March 2025

Follow up action for previous Site Inspection:




1. 17 March 2025 Observation 1 – The water spraying was implemented by the contractor when the soil nail installation was conducted.
2. 17 March 2025 Observation 2 – The water spraying was implemented by the contractor when the soil nail installation was conducted.

Observation(s):

1. The accumulated waste was found at Portion D.
2. The access roads and works area was dry and dust dispersion was found.

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

1. The Contractor was recommended that the accumulated waste should be removed regularly.
2. The Contractor was advised that the frequency of water spraying should be increased when the weather condition is hot and dry.

	Environmental Team's Representative:	Independent Environmental Checker's Representative:	Contractor's Representative:	Employee's Representative
Signature:		/		
Name:	Jason Man	/	Matt Choy/Kristy Wong/ Kyrie Wong	Simon Lee/ Marus Tam/Kenneth Lam/ Saga Lam
Date:	24 March 2025	/	24 March 2025	24 March 2025

Follow up action for previous Site Inspection:

1. 17 March 2025 Observation 2 – The water horse at Portion E4 was fixed by the contractor.
2. 17 March 2025 Observation 4 – The general waste on the floor of 1/F of site building at Portion D was removed by the contractor.
3. 24 March 2025 Observation 1 – The accumulated waste at Portion D was removed by the contractor.
4. 24 March 2025 Observation 2 – The water spraying was conducted at Portion B1-2, Portion B1-1 near the entrance of Shek Tsai Ha Road & Portion E4 by the contractor.




Observation(s):

Nil

Reminder(s):

1. The Contractor was reminded to conduct regular desilting at U-channel at SBA haul road to maintain its proper function.
2. The Contractor was reminded that green net should be properly reinstated to reduce potential visual impact to nearby sensitive receivers.

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

	Environmental Team's Representative:	Independent Environmental Checker's Representative:	Contractor's Representative:	Employee's Representative
Signature:		/		
Name:	Daisy Au Yeung	/	Matt Choy/ Kristy Wong / Kyrie Wong	Simon Lee/ Marus Tam/Kenneth Lam/ Saga Lam
Date:	31 March 2025	/	31 March 2025	31 March 2025

Appendix L Environmental Mitigation Implementation Schedule (EMIS)

North East New Territories (NENT) Landfill Extension
Environmental Mitigation Implementation Schedule (EMIS) Construction Phase

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	<ul style="list-style-type: none">Dust emission from construction vehicle movement is confined within the worksites area.					✓
		B11 – B12	<ul style="list-style-type: none">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
		-	<ul style="list-style-type: none">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> <ul style="list-style-type: none">(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.

North East New Territories (NENT) Landfill Extension
Environmental Mitigation Implementation Schedule (EMIS) Construction Phase

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	<ul style="list-style-type: none">(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	(a) ✓ (b) ✓
		D6	<ul style="list-style-type: none">(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.				DSD Technical Circular TC01/2017	(a) ✓ (b) ✓ (c) ✓
		D7	<ul style="list-style-type: none">(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.				Water Pollution Control Ordinance	(a) ✓ (b) ✓
		D8	<ul style="list-style-type: none">Open stockpiles of construction materials (for example, aggregates, sand and fill material) of more than 50 m³ 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	<ul style="list-style-type: none">(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	<ul style="list-style-type: none">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 silty surface runoff during storm events, especially for areas located near steep slopes.					✓
		D11	<ul style="list-style-type: none">(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 silty water to public roads and drains.					(a) ✓ (b) ✓ (c) ✓ (d) ✓ (e) ✓
		D12	<ul style="list-style-type: none">(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	<ul style="list-style-type: none">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	<ul style="list-style-type: none">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	<ul style="list-style-type: none">To prevent pollution risks arising from works area (waste reception area) and haul roads, intercepting bund or barrier along the roadside should be constructed.					✓
		D19	<u>Sewage Effluent from Workforce</u> <ul style="list-style-type: none">(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.					(a) ✓ (b) ✓
		D20	<ul style="list-style-type: none">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

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.

North East New Territories (NENT) Landfill Extension
Environmental Mitigation Implementation Schedule (EMIS) Construction Phase

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> <ul style="list-style-type: none"> (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	(a) ✓
		D20	<ul style="list-style-type: none"> 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. 				DSD Technical Circular TC01/2017	(b) ✓
		-	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.				Water Pollution Control Ordinance	N/A
							Waste Disposal Ordinance	✓
S5.8.1	S5.2.1	D21	<u>Accidental Spillage of Chemical</u> <ul style="list-style-type: none"> (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	(a) N/A
							Water Pollution Control Ordinance	(b) N/A
							Waste Disposal Ordinance	
Erosion Control Measures								
S5.8.2	S5.2.2	-	<u>Erosion Control /Measures</u> <p>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.</p>	Erosion control	Contractor	Drainage system	ProPECC PN 1/94	✓
		-	<p>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.</p>				Water Pollution Control Ordinance	✓
		-	<p>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.</p>					✓
		-	<p>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.</p>					To be implemented
		-	<p>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.</p>					To be implemented
			<p>f. Sod Establishes permanent turf for immediate erosion protection and stabilizes drainageways.</p>					✓
			<p>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.</p>					✓

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.

North East New Territories (NENT) Landfill Extension
Environmental Mitigation Implementation Schedule (EMIS) Construction Phase

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 Sheetting Plastic Sheetting 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.					✓
Surface Water Drainage System								
S5.8.2	S5.2.2	D22	<ul style="list-style-type: none">(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	<ul style="list-style-type: none">(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) ✓
		-	<ul style="list-style-type: none">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
		-	<ul style="list-style-type: none">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> <ul style="list-style-type: none">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	✓
		-	<ul style="list-style-type: none">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.					✓
		-	<ul style="list-style-type: none">Appropriate waste management should be implemented in accordance with the ETWB TC(W) No. 19/2005.					✓
		E4	<ul style="list-style-type: none">(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	<ul style="list-style-type: none">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	<ul style="list-style-type: none">(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) ✓

Remarks:

✓	Compliance of mitigation measure
*	Recommendation was made during site audit but improved/rectified by the contractor
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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.

North East New Territories (NENT) Landfill Extension
Environmental Mitigation Implementation Schedule (EMIS) Construction Phase

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	<ul style="list-style-type: none">(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	<ul style="list-style-type: none">(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	<ul style="list-style-type: none">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	<ul style="list-style-type: none">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	<ul style="list-style-type: none">Training of site personnel for cleanliness, proper waste management procedures including chemical waste handling, and waste reduction, reuse and recycling concepts.					✓
		E12	<ul style="list-style-type: none">Regular cleaning and maintenance programme systems, sumps and oil interceptors.					✓
		E13	<ul style="list-style-type: none">(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
			<ul style="list-style-type: none">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> <ul style="list-style-type: none">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	✓
		-	<ul style="list-style-type: none">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	<ul style="list-style-type: none">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	<ul style="list-style-type: none">(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	<ul style="list-style-type: none">Chemical waste should be collected by licensed waste collectors and disposed of at licensed facility, e.g. Chemical Waste Treatment Centre.					✓

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.

North East New Territories (NENT) Landfill Extension
Environmental Mitigation Implementation Schedule (EMIS) Construction Phase

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	WM3	E1	<u>General Refuse</u> <ul style="list-style-type: none">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	<ul style="list-style-type: none">(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) ✓
		-	<ul style="list-style-type: none">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.					✓
		-	<ul style="list-style-type: none">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.					✓
		-	<ul style="list-style-type: none">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) F&IU (Confined Spaces) Regulations Code of Practice on Safety and Health at Work in Confined Spaces	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.					✓
	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.					✓
	LFG6	F6	Adequate fire fighting equipment should be provided on-site.					✓
	LFG7	F7	Construction equipment should be equipped with vertical exhaust at least 0.6m above ground installed with spark arrestors.					✓
	LFG8	F8	Electrical motors and extension cords should be explosion-proof and intrinsically safe for use on-site.					✓
	LFG9	F9	'Permit to Work' system should be implemented.					✓
	LFG10	F10	Welding, flame-cutting or other hot works should be conducted only under 'Permit to Work' system following clear safety requirements, gas monitoring procedures and presence of qualified persons to supervise the works.					✓
	LFG11	F11	(a) For piping assembly or conduit construction, all valves and seals should be closed immediately after installation to avoid accumulation and migration of LFG. (b) If installation of large diameter pipes (diameter >600mm) is required, the pipe ends should be sealed on one side during installation. (c) Forced ventilation is required prior to operation of installed pipeline. (d) Forced ventilation should also be required for works inside trenches deeper than 1m.					(a) N/A (b) N/A (c) N/A (d) N/A
	LFG12	F12	Frequency and location of LFG monitoring within excavation area should be determined prior to commencement of works. LFG monitoring in excavations should be conducted at no more than 10mm from exposed ground surface.					✓
	LFG13	F13	For excavation works, LFG monitoring should be conducted (1) at ground surface prior to excavation, (2) immediately before workers entering excavations, (3) at the beginning of each half-day work, and (4) periodically throughout the working day when workers are in the excavation.					✓
	LFG14	F14	Any cracks on ground level encountered on-site should be monitored for LFG periodically. Appropriate action should be taken in accordance with the action plan in Table 7.6 of EIA Report.					✓
	LFG15	F15	(a) LFG precautionary measures involved in excavation and piping works should be provided in accordance with LFG Guidance Note and included in Safety Plan of construction phase. (b) Temporary offices or buildings should be located where free LFG has been proven or raised clear of ground at a separation distance of at least 500mm.					(a) N/A (b) N/A

Remarks:

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

North East New Territories (NENT) Landfill Extension
Environmental Mitigation Implementation Schedule (EMIS) Construction Phase

EIA Ref.	EM&A Log Ref	Weekly Site Inspection Item	Recommended Precautionary/Mitigation Measures (to be implemented when the trigger level is exceeded, where necessary)	Objectives of the Recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	What requirement or standards for the measures to achieve?	Status
LFG (Cont'd)								
Within NENT Landfill Extension								
S7	LFG16	F16	For large development such as NENT landfill extension, a Safety Officer trained in the use of gas detection equipment and LFG- related hazards should be present on-site throughout the groundwork phase. The Safety Officer should be provided with an intrinsically safe portable instrument appropriately calibrated and capable of measuring the following gases: •CH ₄ : 0-100% and LEL: 0-100%/v •CO ₂ : 0-100% •O ₂ : 0-21%	To minimise the risk of LFG hazards to personnel in construction site	Contractor	Entire construction site	Landfill Gas Hazard Assessment Guidance Note (EPD/TR8/97) F&IU (Confined Spaces) Regulations	✓
	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.				Code of Practice on Safety and Health at Work in Confined Spaces	(a) N/A (b) N/A (c) N/A
	LFG18	F18	For excavations deeper than 1m, measurements should be conducted: <ul style="list-style-type: none">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: <ul style="list-style-type: none">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> <ul style="list-style-type: none">Early planting using fast growing trees and tall shrubs at strategic locations within site to block major view corridors to the site from the VSRs, and to locally screen haul roads, excavation works and site preparation works.Roadside planter and shrub planting design in front of Cheung Shan Temple.	To minimise the impact on existing vegetation retained by personnel in construction To provide initiation on permanent landscape and visual mitigation measures	Contractor	Entire construction site	DEVB TC(W) No. 4/2020 - Tree Preservation DEVB TC(W)) No. 6/2015 - Maintenance of Vegetation and Hard Landscape Features DEVB TC(W) No. 6/2011 - Maintenance of Man-made Slopes and Emergency Repair on Stability of Land	✓
S8	LV2	G5	<u>Boundary Green Belt planting</u> Considerable planting belts proposed around the site perimeter and the construction of temporary soil bunds will screen the landfill operations to a certain degree. Fast growing and fire resistant plant species will be used.				To be implemented during operation phase	
S8	LV3	G6	<u>Temporary landscape treatment as green surface cover</u> For certain areas where landfilling operations would have to be suspended temporarily for periods of years, simple temporary landscape treatment such as hydroseeding should be considered. During construction and operational phases, grass hydroseeding or synthetic covering material of green colour should also be used as a temporary slope cover if applicable.				✓	
S8	LV4	G7	<u>Existing tree preservation</u> Transplant existing trees and vegetation, which are identified as ecologically significant in Ecological Impact Assessment and as rare tree species recorded in the tree survey, under circumstances where technically feasible. For all affected trees, the principle of avoidance of tree felling and tree transplanting of tree before felling should apply whenever possible. A tree felling application should be submitted to DEVB-GLTMS and be approved before any trees are felled or transplanted.				✓	

Remarks:

✓ Compliance of mitigation measure

* Recommendation was made during site audit but improved/rectified by the contractor

Recommendation was made during site audit but not yet improved/rectified by the contractor.

N/A Not Applicable at this stage were conducted in the reporting period.

@ (Which measure) Alternative measure was made by the contractor.

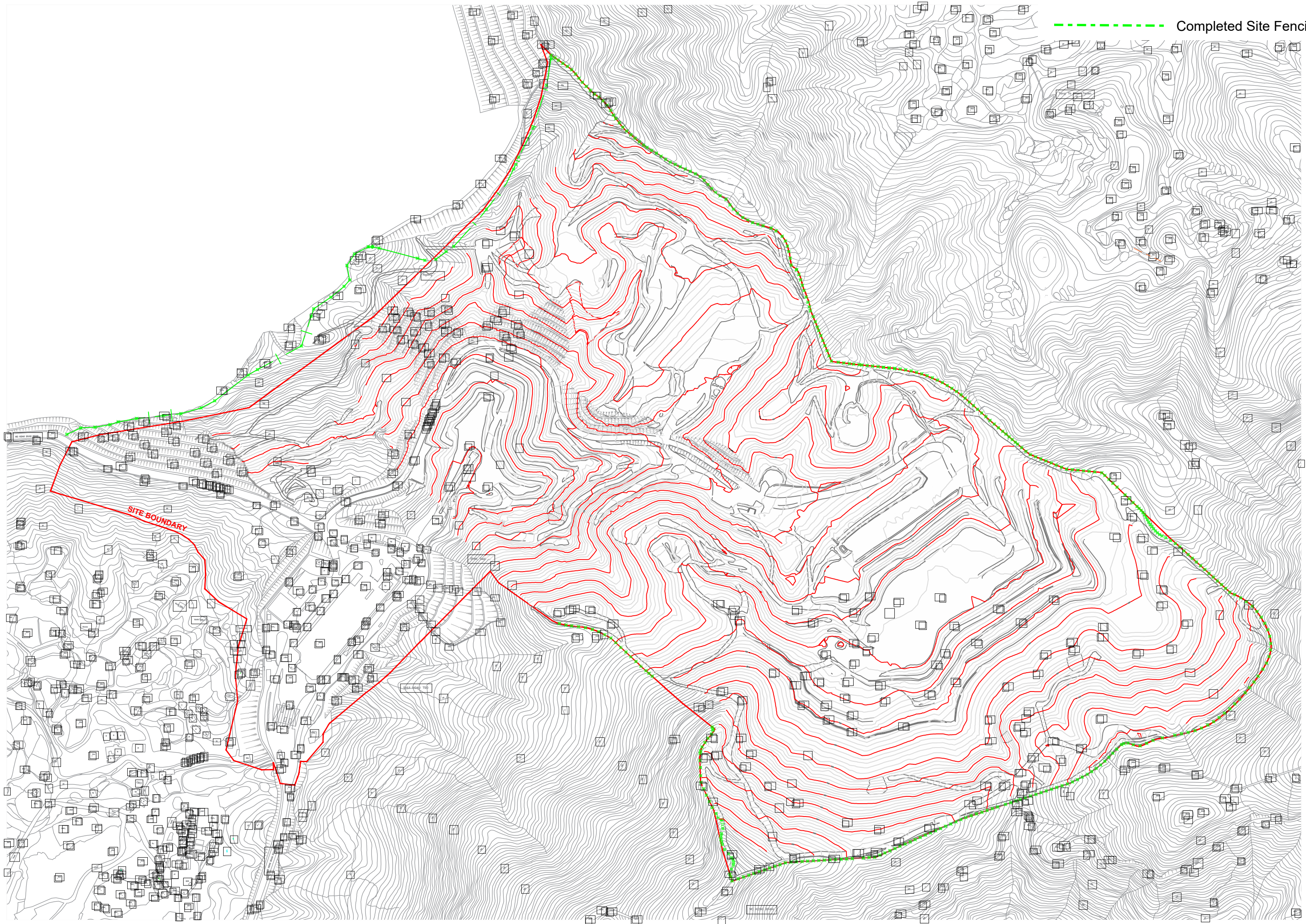
North East New Territories (NENT) Landfill Extension
Environmental Mitigation Implementation Schedule (EMIS) Construction Phase

EIA Ref.	EM&A Log Ref	Weekly Site Inspection Item	Recommended Precautionary/Mitigation Measures (to be implemented when the trigger level is exceeded, where necessary)	Objectives of the Recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	What requirement or standards for the measures to achieve?	Status
Ecology								
General Protection Measures:								
S10	E1	-	Restriction of construction activities to the work areas that would be clearly demarcated.	To minimise environmental impacts and therefore potential ecological impacts within and near the construction site	Contractor	Entire construction site	Practice Note for Professional Persons (ProPECC), Construction Site Drainage (PN1/94)	✓
	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.				Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes, EPD (1992)	✓
	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.				ETWB TC(W)) No. 33/2002 Management of Construction and Demolition Material Including Rock	✓
	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.				DEVB TC(W) No. 6/2010 Trip Ticket System for Disposal of Construction and Demolition Materials	✓
	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.				ETWB TC(W)No.19/2005 Environmental Management on Construction Sites	✓
	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 repositied silt and grit.					✓
	E13	-	Minimization of surface excavation works during the rainy seasons (April to September), and in particular,control of silty surface runoff during storm events, especially for areas located near steep slopes.					✓
	E14	-	Regular inspection and maintenance of all drainage facilities and erosion and sediment control structures to ensure proper and efficient operation at all times and particularly following rainstorms.					✓
	E15	-	Provision of oil interceptors in the drainage system downstream of any oil/fuel pollution sources					N/A

Remarks:

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

Appendix M Mitigation Measures of Cultural Landscape Features



Completed Site Fencing

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 at 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
C000_20241128	28 Nov 2024	EPD-RNG	ET	Water Quality	2 & 5 Dec 2024	<p>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.</p> <p>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</p>	9 April 2025

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"

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.

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
NA	NA	NA	NA	NA	NA	NA	NA

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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