North East New Territories (NENT) Landfill Extension

Monthly Environmental Monitoring and Audit Report (No. 27) – February 2025

2025-03-12

aurecon

Bringing ideas to life

Aurecon Hong Kong Limited
Unit 1608, 16/F, Tower B,
Manulife Financial Centre,
223 – 231 Wai Yip Street, Kwun Tong
Hong Kong

T +852 3664 6888
F +852 3664 6999
E hongkong@aurecongroup.com
w aurecongroup.com

Ref: P521530-0000-REP-NN-0103

By Email

12 March 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.27) – February 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.27) – February 2025 R1" dated 12 March 2025 for your verification.

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

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

Fredrick Leong
Environmental Team Leader

Encl.
1. Monthly Environmental Monitoring and Audit Report (No.27) – February 2025 R1

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

MEINHARDT
Consulting Engineers . Planners . Managers
工程顧問 . 策劃 . 統籌

Meinhardt Infrastructure and Environment Ltd
邁進基建環保工程顧問有限公司

10/F Genesis
33-35 Wong Chuk Hang Road
Hong Kong
香港黃竹坑道33-35號
創協坊10樓

Tel 電話: +852 2858 0738
Fax 傳真: +852 2540 1580

mail@meinhardt.com.hk
www.meinhardt-china.com
www.meinhardtgroup.com

Our Ref.: CL/91823/2300-VES
Date: 12 March 2025

By Email

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

Attn.: Mr. Colin Mitchell

Dear Sir

Re: Contract No. EP/SP/77/15
North-East New Territories Landfill Extension (NENTX)
Monthly Environmental Monitoring and Audit Report (No.27) – February 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.27) – February 2025" dated 12 March 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

Document prepared by:

Aurecon Hong Kong Limited
Unit 1608, 16/F, Tower B, Manulife Financial Centre,
223 – 231 Wai Yip Street, Kwun Tong, Kowloon
Hong Kong S. A. R.
T +852 3664 6888
F +852 3664 6999
E hongkong@aurecongroup.com
W aurecongroup.com

A person using Aurecon documents or data accepts the risk of:

a) Using the documents or data in electronic form without requesting and checking them for accuracy against the original hard copy version.

b) Using the documents or data for any purpose not agreed to in writing by Aurecon.

Document control						aurecon
Report title		Monthly Environmental Monitoring and Audit Report (No. 27) – February 2025				
Document ID			**Project number**		P521531	
File path						
Client		Veolia Hong Kong Holding Ltd.				
Client contact			**Client reference**			
Rev	**Date**	**Revision details/status**	**Author**	**Reviewer**	**Verifier** (if required)	**Approver**
0	7 March 2025	Draft	Jason Man	Keith Chau		Fredrick Leong
1	12 March 2025	First Version	Jason Man	Keith Chau		Fredrick Leong
Current revision		1				

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

Contents

Figure

Appendix

Executive Summary

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

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

ES3. This 27th Monthly EM&A Report presents the EM&A works conducted from 1 to 28 February 2025 in accordance with the Updated EM&A Manual.

Summary of Construction Works undertaken during Report Period

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

ES Table1 Major Construction Works undertaken during the Reporting Period

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

Environmental Monitoring and Audit Progress

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

ES Table2 Summary of the Monitoring Activities during the Reporting Period

	Items	Times	Date
-	Air Quality Monitoring during normal weekdays at each monitoring station	5 times	1, 7, 13, 19 & 25 February 2025
-	Construction Noise Monitoring during normal weekdays at each monitoring station	4 times	7, 13, 19 & 25 February 2025
-	Surface Water Quality Monitoring during normal weekdays at each monitoring station	1 time	13 February 2025
-	Landfill Gas Monitoring during normal weekdays for Construction Works	23 times	3 to 8, 10 to 15, 17 to 22, 24 to 28 February 2025
-	Joint Environmental Site Inspection	4 times	3, 10, 17 & 24 February 2025
-	General Site Inspection by EPD-RNG	1 time	17 February 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 is conducting by the related parties. The investigation results will be presented when the investigation has been completed.

Reporting Change

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

Future Key Issues

ES10. Works to be undertaken in the next month include:

ES Table3 Major Construction Works undertaken during the Next Reporting Period

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

ES11. Potential environmental impacts arising from the above construction activities are mainly associated with air quality, construction noise, water quality, waste management, landfill gas monitoring, landscape and visual, cultural heritage and ecology.

1 Introduction

1.1 Background

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

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

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

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

1.2 Nature, Scale and Scope of the captioned Designated Project

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

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

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

1.3 Purpose of this Report

1.3.1 This is the 27th 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 28 February 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-RN1455-24	18 March 2025	Permit granted on 11 December 2024
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	5 times	1, 7, 13, 19 & 25 February 2025
-	Construction Noise Monitoring during normal weekdays at each monitoring station	4 times	7, 13, 19 & 25 February 2025
-	Surface Water Quality Monitoring during normal weekdays at each monitoring station	1 time	13 February 2025
-	Landfill Gas Monitoring during normal weekdays for Construction Works	23 times	3 to 8, 10 to 15, 17 to 22, 24 to 28 February 2025
-	Joint Environmental Site Inspection	4 times	3, 10, 17 & 24 February 2025
-	General Site Inspection by EPD-RNG	1 time	17 February 2025

Air Quality

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

Noise

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

Groundwater

2.5.4 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 23 sets of landfill gas measurement were carried out at the designated monitoring locations during normal weekdays of the reporting period. No exceedance of Action and Limit Levels of landfill gas was recorded during the reporting period.

Landscape and Visual

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

Cultural Heritage

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

Ecology

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

Environmental Site Inspection

2.5.10 4 weekly environmental site inspections were carried out during the reporting period. A joint environmental site inspection was carried out by the representatives of the Employer's Representative (ER), the Contractor, IEC and the ET on 17 February 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)3to AM1, AM2 & AM3, the measured air quality levels at AM1, AM2 & AM3 would represent the air quality levels at AM(D)1, AM(D)2 & AM(D)3.

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

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

3.1.3 Monitoring Equipment

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

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

Table 3-3 Dust Monitoring Equipment

Equipment	Model	Expiry Date	Monitoring Station
High Volume Sampler (HVS)	TE-5170X (S/N: 1105)	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, µg/m³ (Range)		
	Dust Monitoring Station		
	AM1	AM2	AM3
Feb 2025	29 (20 – 36)	46 (32 – 61)	58 (50 – 65)
Action Level	**>285**	**>279**	**>285**
Limit Level	**>500**		

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

Month	Average 24-hr TSP Concentration, µg/m³ (Range)		
	Dust Monitoring Station		
	AM1	AM2	AM3
Feb 2025	87 (83 – 93)	100 (89 – 115)	107 (94 – 119)
Action Level	**>164**	**>152**	**>163**
Limit Level	**>260**		

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

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

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

Remarks: * equal to non-project related

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

3.1.6 Wind Data Monitoring

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

3.1.7 Recommended Mitigation Measures

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

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

3.1.8 Event and Action Plan

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

Table 3-7 Event and Action Plan for Dust Impact

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

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

4 Noise Monitoring

4.1 Monitoring Requirement

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

4.2 Monitoring Locations, Parameters and Frequency

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

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

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

Table 4-1 Noise Monitoring Locations

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

Remarks:

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

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

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

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

Table 4-2 Noise Monitoring Parameters, Frequency and Duration

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

4.3 Monitoring Equipment

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

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

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

Table 4-3 Noise Monitoring Equipment

Equipment	Model	Expiry Date
Sound Level Meter	NTi XL2 (S/N: A2A-17638-E0)	26 Mar 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
Feb 2025	59.5 (57.9 – 60.7)	53.4 (49.9 – 55.0)
Action Level	When one documented complaint is received	
Limit Level	>75dB(A)	

Remark:

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

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

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

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

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

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

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

Remarks: * equal to non-project related

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

4.6 Recommended Mitigation Measures

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

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

4.7 Event and Action Plan

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

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

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

5 Water Quality Monitoring

5.1 Groundwater Monitoring

5.1.1 Monitoring Requirement

5.1.1.1 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 NH3 G
TKN	0.4 mg/L	0.1 mg/L	APHA 4500Norg: D
Nitrate	0.5 mg/L	0.01 mg/L	APHA 4500 NO3 I
Sulphate	5 mg/L	1 mg/L	USEPA 375.4
Sulphite	2 mg/L	2 mg/L	APHA 4500 SO3 B
Phosphate	0.01 mg/L	0.01 mg/L	APHA 4500-P B & F
Chloride	0.5 mg/L	0.5 mg/L	USEPA 325.1
Sodium	50 mg/L	50 mg/L	USEPA 6010C
Mg	50 mg/L	50 mg/L	USEPA 6010C
Ca	50 mg/L	50 mg/L	USEPA 6010C
K	50 mg/L	50 mg/L	USEPA 6010C
Fe	50 mg/L	10 mg/L	USEPA 6010C
Ni	1 mg/L	1 mg/L	USEPA 6020A
Zn	10 mg/L	10 mg/L	USEPA 6020A
Mn	1 mg/L	1 mg/L	USEPA 6020A
Cu	1 mg/L	1 mg/L	USEPA 6020A
Pb	1 mg/L	1 mg/L	USEPA 6020A
Cd	0.2 mg/L	0.2 mg/L	USEPA 6020A
Coliform Count	1 cfu/ 100mL	1 cfu/ 100mL	DoE section 7.8, 7.9.4.1 & 3
Oil and Grease	5 mg/L	5 mg/L	APHA 5520 B

QA/ QC Requirements

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

Decontamination Procedures

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

Sampling Management and Supervision

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

Quality Control Measures for Sample Testing

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

- One method blank; and
- One sample duplicate.

5.2.5 Monitoring Results

5.2.5.1 Impact surface water quality monitoring was conducted at WM1 & WM2 on 13 February 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	6.4	>7.7	>7.8	7.0	>7.6	>7.7
DO in mg/L	7.6	<7.4	<4	7.4	<5	<4
Turbidity in NTU	1.0	>9.2	>9.5	80.4	>108.3	>108.9
Electrical Conductivity in µS/cm	52	---	---	251	---	---
SS in mg/L	1.5	>9.7	>11.4	72.4	>94.5	>94.7
Alkalinity in mg/L	13	---		83	---	
COD in mg/L	<5			20		
BOD_5 in mg/L	<2			2.0		
TOC in mg/L	1			3		
Ammonia-nitrogen in mg/L	0.02			0.08		
TKN in mg/L	0.3			0.6		
Nitrate in mg/L	0.02			0.42		
Sulphate in mg/L	6			46		
Sulphite in mg/L	<2			<2		
Phosphorus in mg/L	<0.01			<0.01		
Chloride in mg/L	6			9		
Sodium in µg/L	8250			9020		
Magnesium in µg/L	500			2120		
Calcium in µg/L	3360			38800		
Potassium in µg/L	390			5500		
Iron in µg/L	450			3660		
Nickel in µg/L	<1			1		
Zinc in µg/L	45			35		
Manganese in µg/L	36			528		
Copper in µg/L	16.0			6		
Lead in µg/L	1.0			8		
Cadmium in µg/L	<0.2			<0.2		
Coliform Count in cfu/100mL	13			20000		
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	
Parameters \ Level Exceedance		Action Level	Limit Level	Action Level	Limit Level
pH	Exceedance Date	-	-	-	-
	Exceedance Count	0	0	0	0
DO	Exceedance Date	-	-	-	-
	Exceedance Count	0	0	0	0
Turbidity	Exceedance Date	-	-	-	-
	Exceedance Count	0	0	0	0
SS	Exceedance Date	-	-	-	-
	Exceedance Count	0	0	0	0

Remarks: * equal to non-project related

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

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

6 Waste Management

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

6.1.2 A total of 120,705.57 tonnes of C&D materials was reused in the project site. A total of 168,201 tonnes of C&D materials was reused at alternative disposal ground (NENT Landfill) during the reporting period. A total of 115.28 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 145.67 tonnes of general refuse and a total of 241.88 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:

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

7.2 Monitoring Locations

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

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

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

- at ground surface prior to excavation;
- immediately before any worker enters the excavation;
- at the beginning of each working day for the entire period the excavation remains open; and
- periodically through the working day whilst workers are in the excavation.

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

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

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

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

Table 7-1 Locations of LFG Monitoring during Reporting Period

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

7.3 Monitoring Equipment

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

Table 7-2 LFG Monitoring Equipment

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

Table 7-3 Landfill Gas Monitoring Detection Limits

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

7.4 Event and Action Plan (EAP)

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

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

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

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

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

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

7.5 Monitoring Results

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

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

Table 7-5 Summary of LFG Monitoring Results

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

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

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

Table 7-6 Summary of LFG Monitoring Results

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

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

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

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

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

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

Remarks: * equal to non-project related

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

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

7.6 Recommended Mitigation Measures

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

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

8 Landscape and Visual

8.1 Monitoring Requirement

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

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

8.2 Result and Observation

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

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

9 Cultural Heritage

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

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

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

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

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

10 Ecological Monitoring

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

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

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

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

Table 10-1 Milestone of the Ecological Monitoring

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

11 Site Inspection and Audit

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

11.1.2 Weekly ET environmental site inspections were conducted in the reporting period on 03, 10, 17 & 24 February 2025. A joint environmental site inspection was carried out by the representatives of the ER, the Contractor, IEC and the ET on 17 February 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 February 2025

Observation(s):

1. Wastes were observed in the ST3 of Portion E3-1. The Contractor was reminded that ST3 should be maintained and cleaned regularly to ensure its efficiency at Portion E3-1.

10 February 2025

Observation(s):

1. Unpaved haul road was dry, and fugitive dust is observed at Portion B2-E1, E3-1 and E4. The Contractor was advised that watering (e.g. water sparkler or water truck) and compaction should be provided and arranged to minimize dust dispersion at Portions B2-E1, E3-1, E3-1A, and E4.
2. Wheel- washing should be provided before leaving construction site at Portion B2-E1. The Contractor was advised that wheel-washing should be provided at Portion B2-E1 to ensure that every vehicle is washed before leaving the construction site to remove dusty materials from its body and wheels.
3. Loaded dump truck should be covered by mechanical cover before leaving construction site. The Contractor was reminded that loaded dump trucks should be covered with impervious sheeting before leaving the construction site.
2. The accumulated waste was observed on the floor at Portion A. The Contractor was reminded that enough enclosed bins and waste skips should be provided to ensure proper collection of general and C&D waste.

17 February 2025

Observation(s):

1. The haul road and work area were dry, and fugitive dust was observed at Portion E3-1A. The Contractor was advised to increase the frequency of watering on the haul road and to provide watering around work activities at Portion E3-1A to minimize dust dispersion.
2. Every vehicle should be washed before leaving the construction site at Portion E4. The Contractor was recommended that the wheel-washing area should be located within the construction site of Portion E4 to prevent silt water runoff.

24 February 2025

Observation(s):

1. Stagnant water and silt were observed in and around the drip tray at Portion A. The Contractor was advised that stagnant water and silt should be removed and that the location of the drip tray should be properly revised at Portion A.

11.1.4 One general site inspections were conducted by Environmental Protection Department-Regional Office (North) (EPD-RNG) in 17 February 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	
Parameters \ Level Exceedance		Action Level	Limit Level	Action Level	Limit Level
pH	Exceedance Date	-	-	-	-
	Exceedance Count	0	0	0	0
DO	Exceedance Date	-	-	-	-
	Exceedance Count	0	0	0	0
Turbidity	Exceedance Date	-	-	-	-
	Exceedance Count	0	0	0	0
SS	Exceedance Date	-	-	-	-
	Exceedance Count	0	0	0	0

Remarks: * equal to non-project related

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

Table 12-4 Summary of Landfill Gas Exceedance during the reporting period

Landfill Gas Monitoring Station		Portion A +50 mpD to 70 mpD Platform		Portion B2 / E1	
Parameters \ Level Exceedance		Action Level	Limit Level	Action Level	Limit Level
CH_4	Exceedance Date	-	-	-	
	Exceedance Count	0	0	0	
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 received on 28 November 2024. The relevant investigation is conducting by the related parties. The investigation results will be presented when the investigation has been completed. 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
February 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* & 1#)	0	0

Remarks:

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

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

12.4 Summary of Environmental Summons and Successful Prosecution

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

13 Implementation Status on Environmental Mitigation Measures

13.1 General

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

14 Future Key Issues

14.1 Key Issues for the Coming Month

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

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

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

14.2 Monitoring Schedule for the Next Month

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

14.3 Construction Programme for the Next Month

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

15 Conclusion

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

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

15.1.3 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.

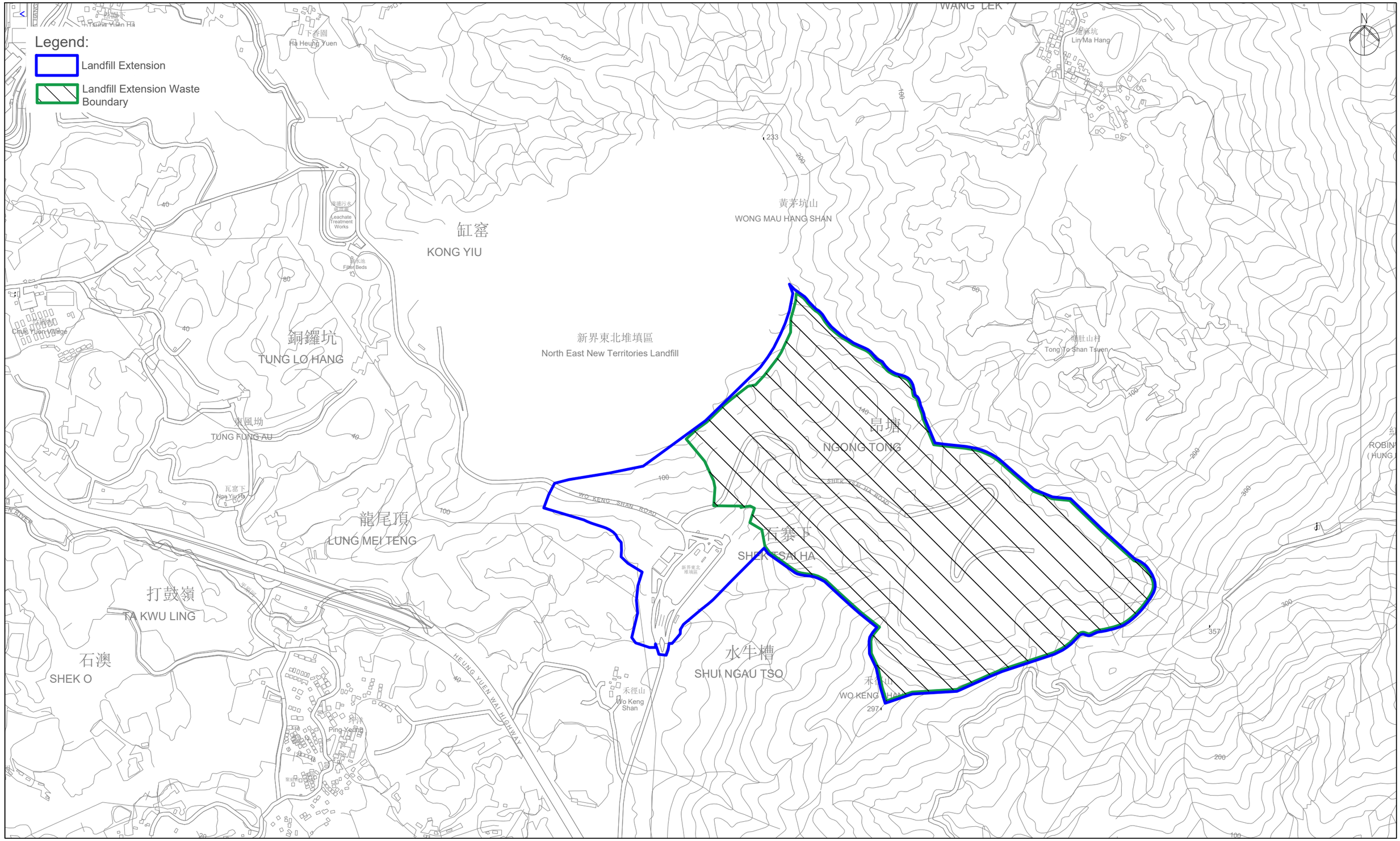
15.1.8 No environmental complaint was recorded during the reporting period. One environmental complaint regarding the water quality was recorded on 28 November 2024. The relevant investigation is conducting by the related parties. The investigation results will be presented when the investigation has been completed.

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

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

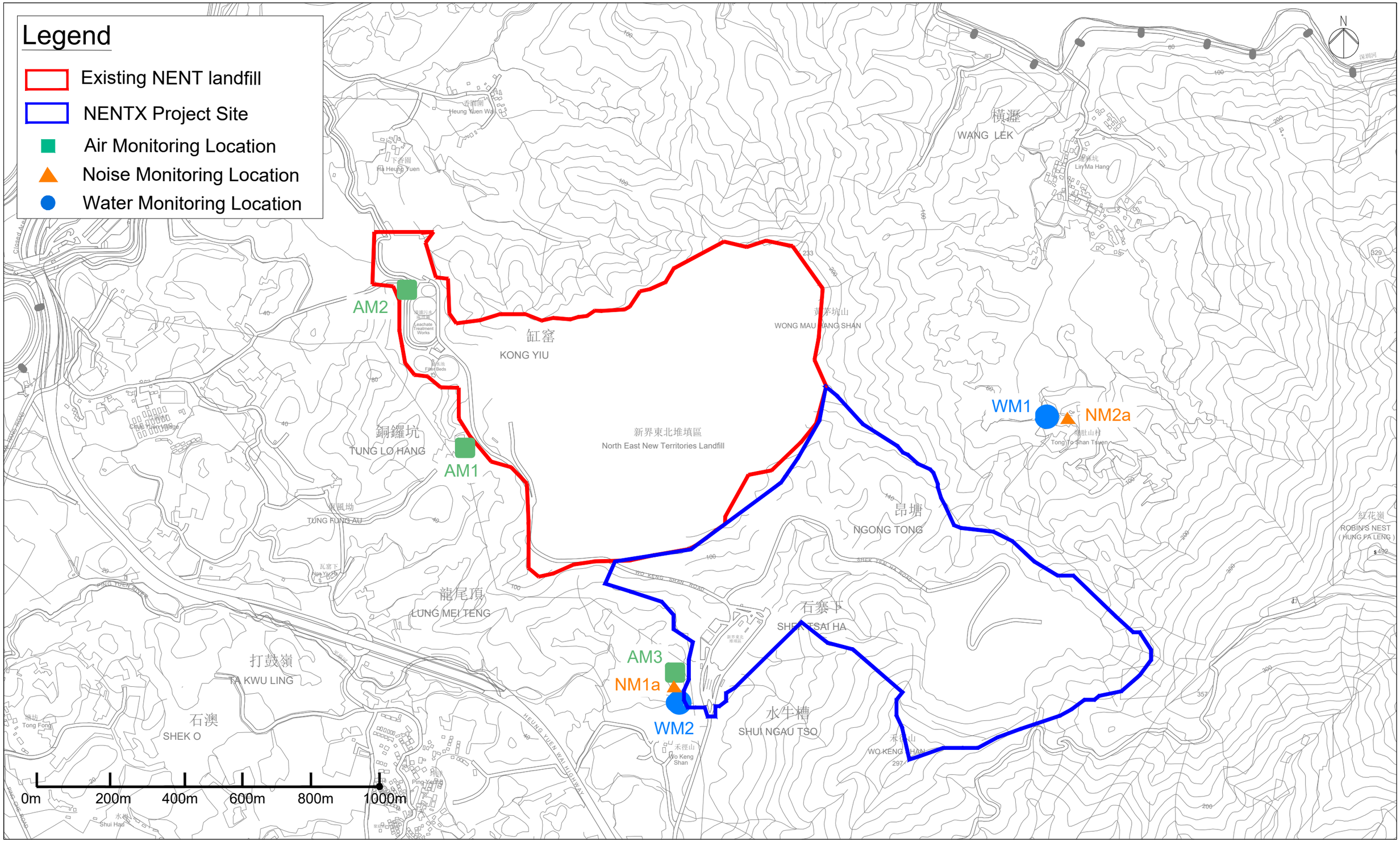
15.1.11 The ET will keep track on the EM&A programme to ensure compliance of environmental requirements and the proper implementation of all necessary mitigation measures.

Figure 1 Location of the Project Site



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

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

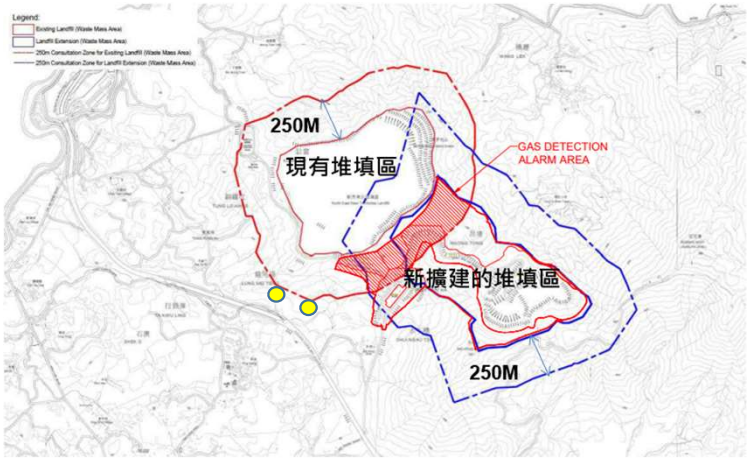


aurecon Aurecon Hong Kong Limited	North East New Territories (NENT) Landfill Extension Impact Monitoring Location	Figure 2

Figure 3 Landfill Gas Monitoring Locations

Gas Monitoring Point

Monitoring Frequency: 2 times per day



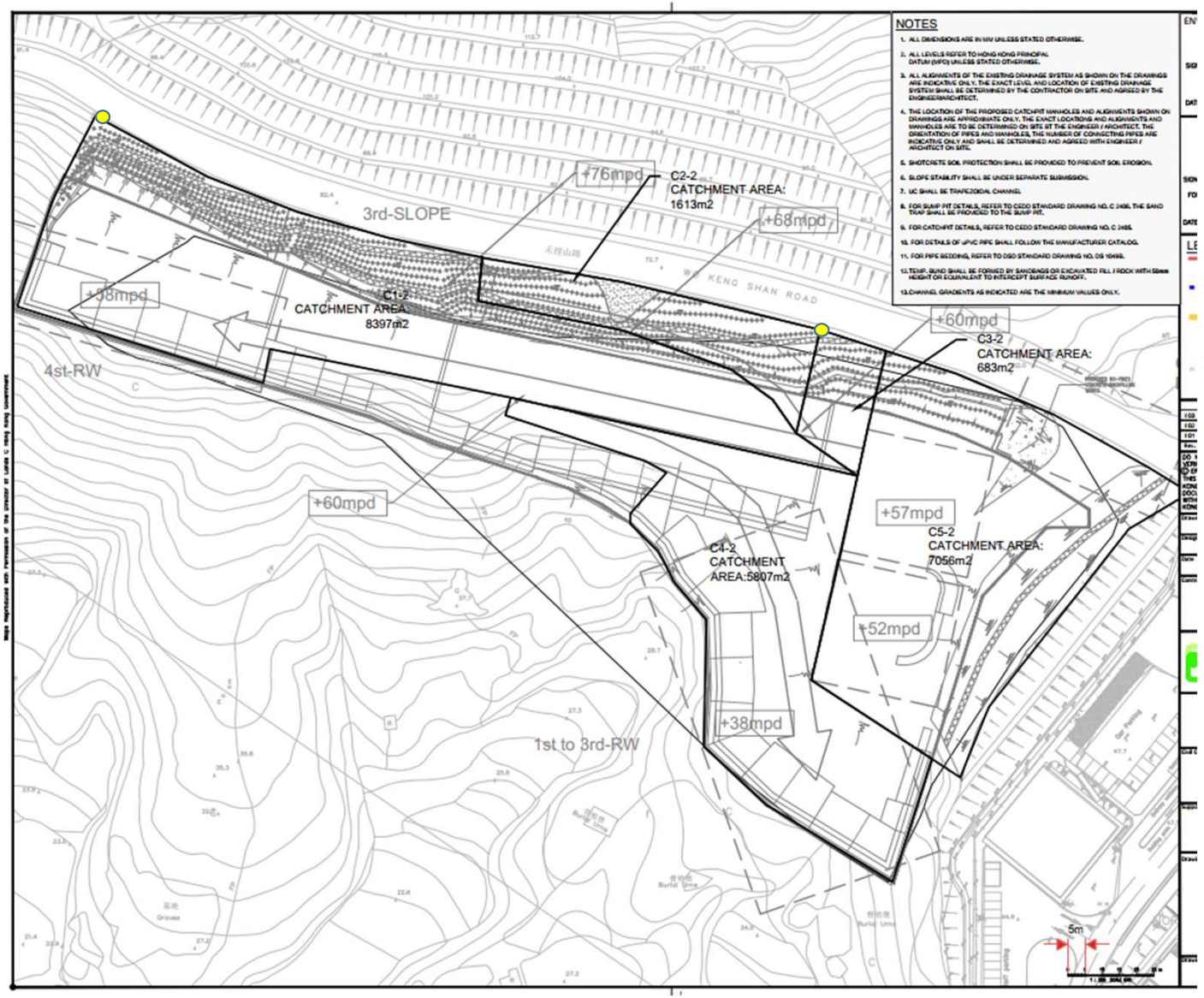


Figure 3 Landfill Gas Monitoring Locations

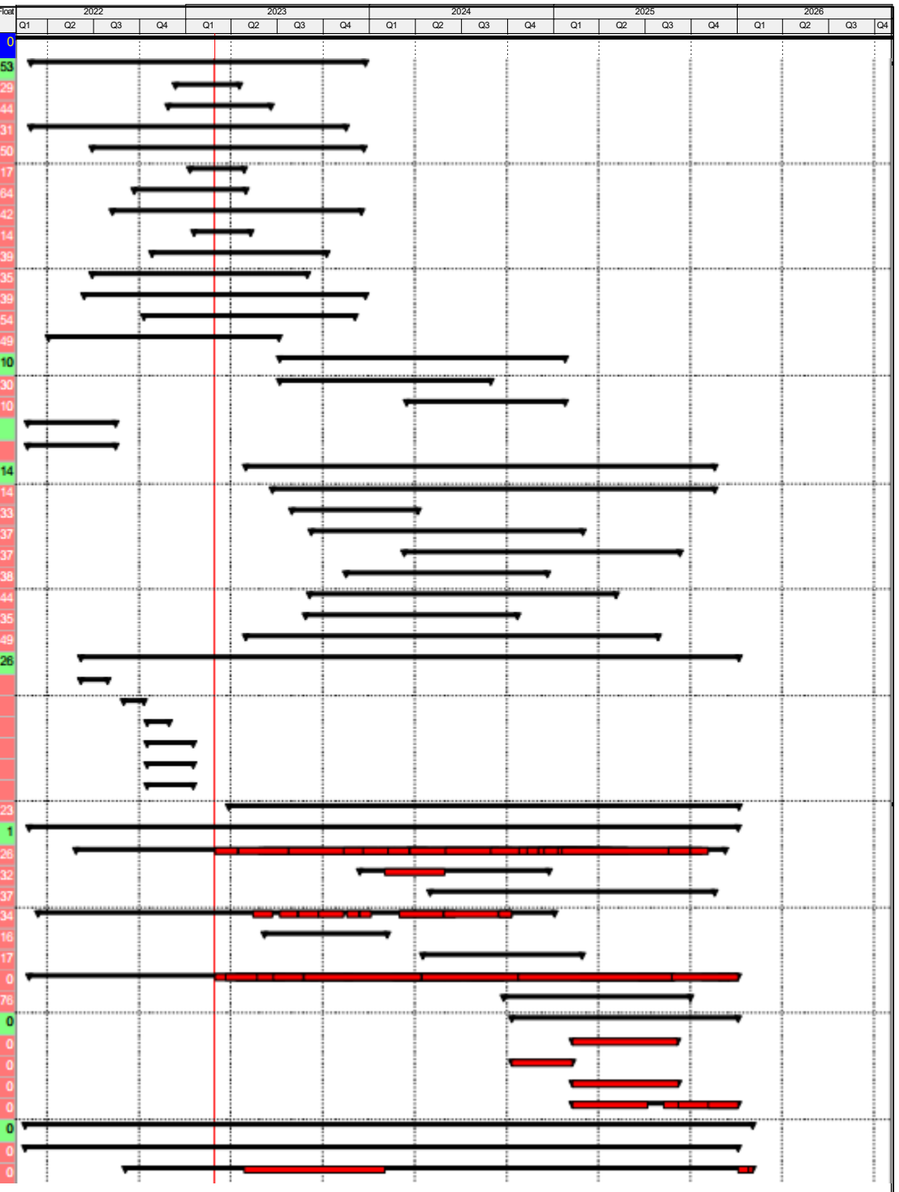
Gas Monitoring Point

Monitoring Frequency:
2 times per day

Figure 3 Landfill Gas Monitoring Locations

Appendix A Construction Programme & Construction Activities

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



環境保護署
Environmental Protection Department

Remaining Level of Effort
Remaining Work
Critical Remaining Work
Milestone
Summary

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

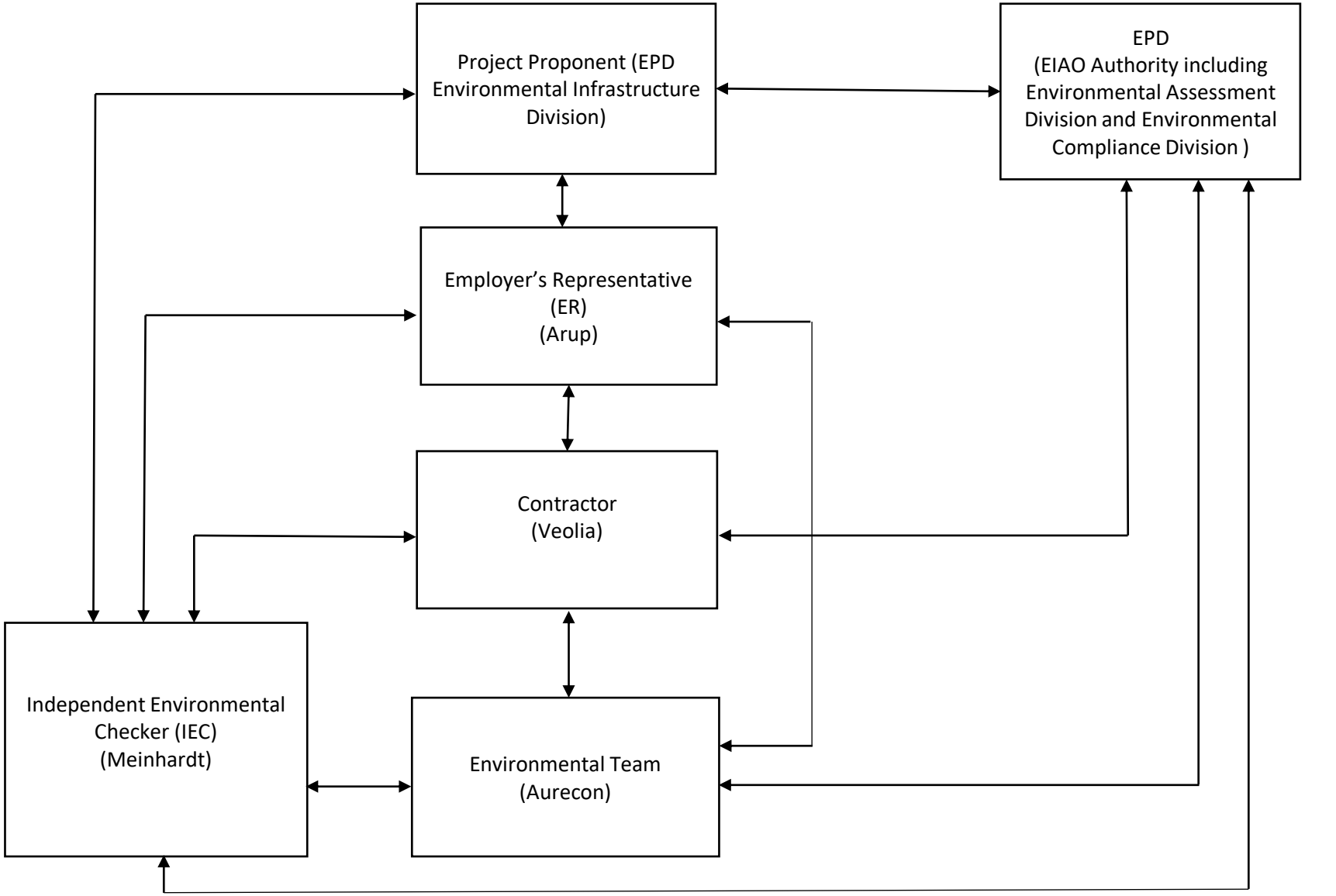
VEOLIA

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

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

Remark:
PCL is the Sub-contractor for this project

Appendix B Project Organization Chart & Management Structure



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

Line of Communication

Appendix C Detail Status of FEP & EP Submission

Detail Status of Submissions required under the FEP & EP

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

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

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

Appendix D Monitoring Schedule for Reporting Month & Next Month

Impact Monitoring Schedule for NENT Landfill Extension (Feb 2025)

2-2025						
Sun	Mon	Tue	Wed	Thur	Fri	Sat
26	27	28	29	30	31	1 Air quality monitoring at AM1, AM2 and AM3
2	3	4	5	6	7 Air quality monitoring at AM1, AM2 and AM3 Noise monitoring at NM1a and NM2a	8
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	1

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).

Date: 27 May 2024

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.

Appendix E Calibration Certificates

Air Quality

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

Information of Calibrated Equipement

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

Standard Equipment Information

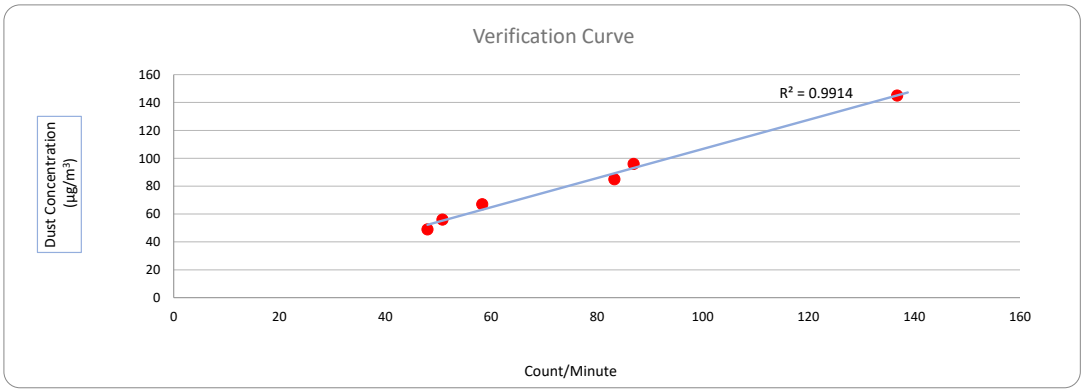
Verification Equipment Type:	Tisch TSP HVS	Tisch HVS Calibrator
Standard Equipment Model No.:	TE-5170X	TE-5025A
Equipment serial no.:	1106	3465
Last Calibration Date:	13-Sep-24	16-Jan-24
Next Calibration Date:	12-Sep-25	15-Jan-25

Equipement Vertification Result

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

Linear Regression of y on x

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



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

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

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

Information of Calibrated Equipement

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

Standard Equipment Information

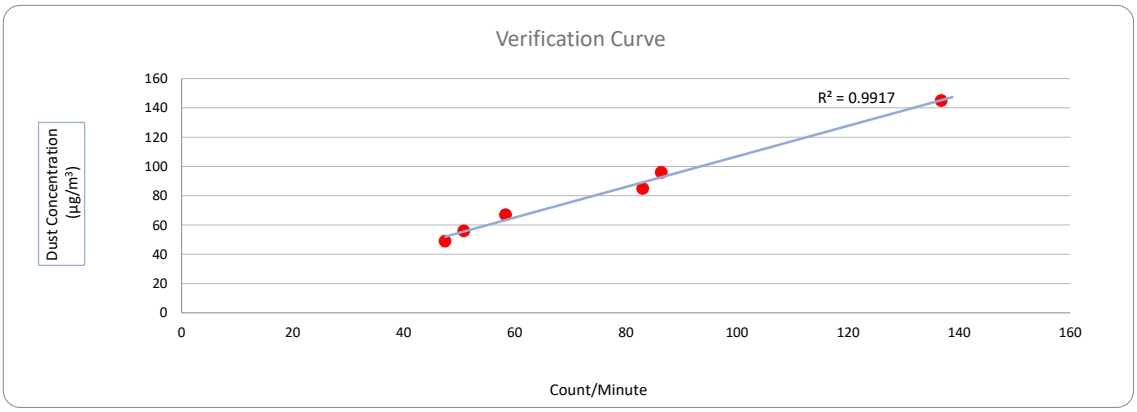
Verification Equipment Type:	Tisch TSP HVS	Tisch HVS Calibrator
Standard Equipment Model No.:	TE-5170X	TE-5025A
Equipment serial no.:	1106	3465
Last Calibration Date:	13-Sep-24	16-Jan-24
Next Calibration Date:	12-Sep-25	15-Jan-25

Equipement Vertification Result

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

Linear Regression of y on x

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



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

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

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

Information of Calibrated Equipement

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

Standard Equipment Information

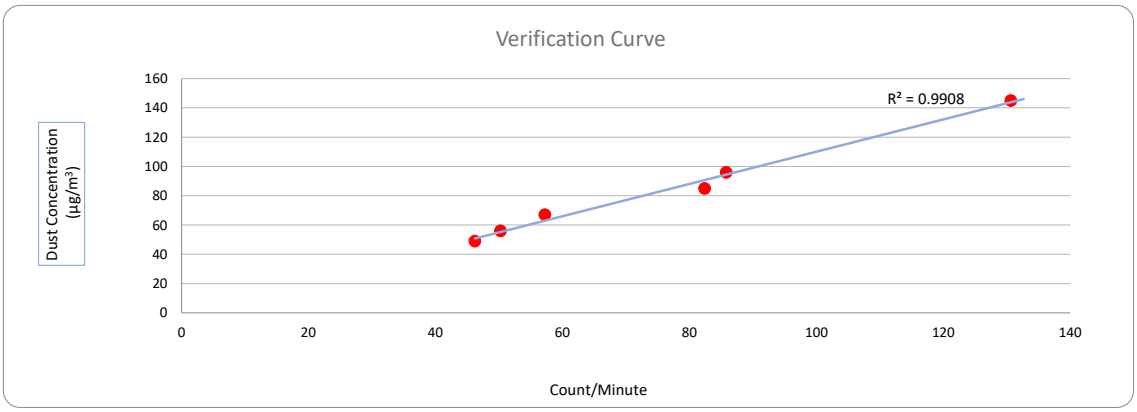
Verification Equipment Type:	Tisch TSP HVS	Tisch HVS Calibrator
Standard Equipment Model No.:	TE-5170X	TE-5025A
Equipment serial no.:	1106	3465
Last Calibration Date:	13-Sep-24	16-Jan-24
Next Calibration Date:	12-Sep-25	15-Jan-25

Equipement Vertification Result

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

Linear Regression of y on x

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



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

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

HIVOL SAMPLER CALIBRATION DATA SHEET (TSP)

Site Information

Location:	**Representative For Tung Lo Hang**	**Site ID:**	**AM1**	**Date:**	**17-Dec-2024**
Serial No:	**1105**	**Model:**	**TE-5170X**	**Operator:**	**Andy Li**

Ambient Condition

Actual Pressure during Calibration (P_a) (mm Hg):	765.8	**Actual Temperature during Calibration (T_a) (deg K):**	291.0

Calibration Orifice

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

Calibration Data

Plate or Test #	ΔH_2O (in)	Qa, X-Axis (m^3/min)	I, CFM (chart)	IC, Y-Axis (corrected)
18	11.40	1.670	59.0	59.93
13	10.40	1.595	54.0	54.85
10	7.80	1.383	48.0	48.76
7	6.80	1.292	44.0	44.70
5	5.20	1.132	40.0	40.63

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

m= 34.8352 b= 0.4973 Corr. Coeff= 0.9910

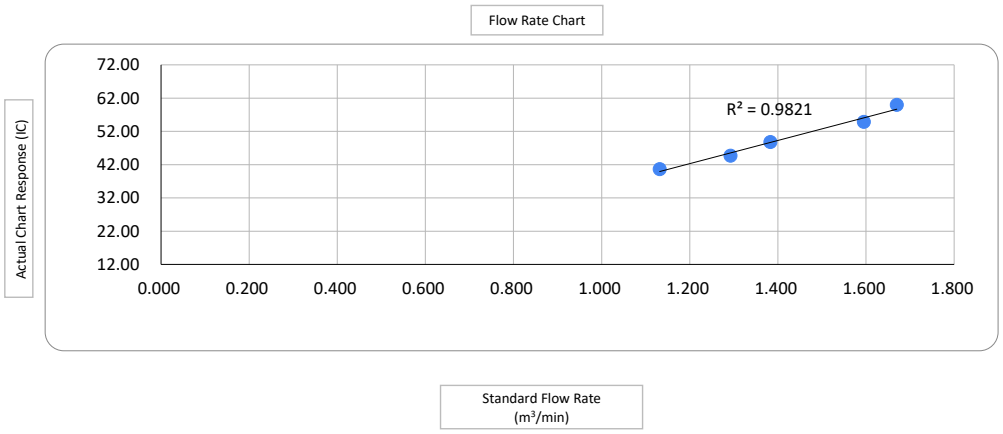
Calculations

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

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

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

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



Checked by: F.C Tsang
Monitoring Team Leader

Date: 17-Dec-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 Calibtation Relationship (Qa on x-axis, IC on y-axis)

m= 15.1257 b= 28.7449 Corr. Coeff= 0.9989

Calculations

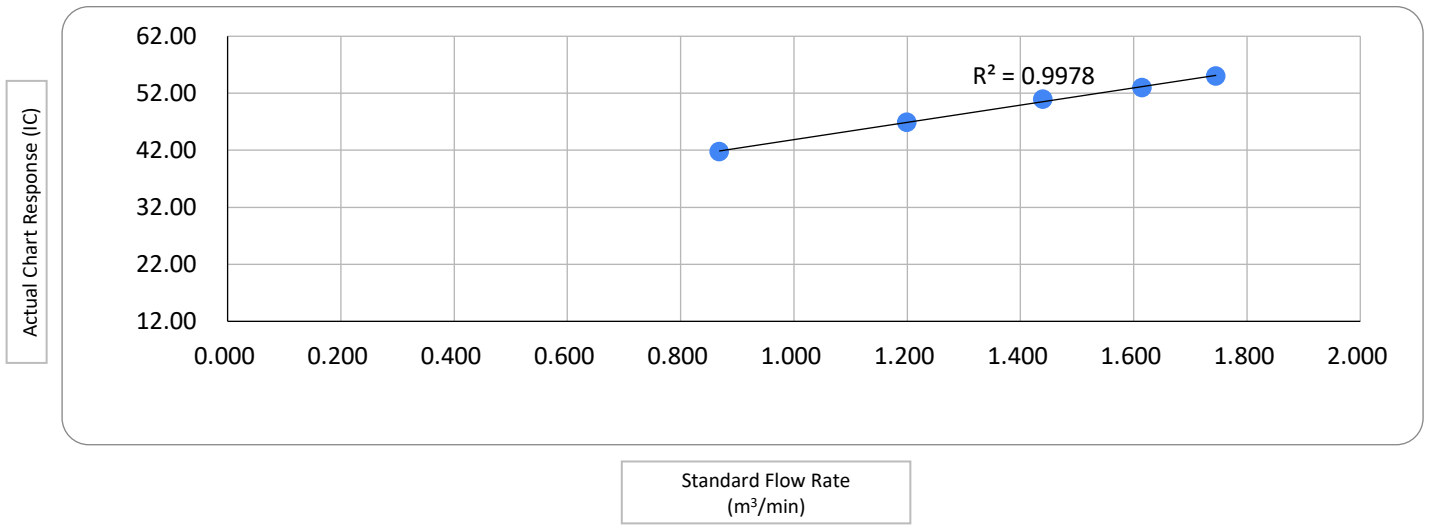
$Qa = 1/m_c * [Sqrt (\Delta H_2O * (P_a/P_{Std}) * (T_{Std}/T_a)) - b_c]$

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

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

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

Flow Rate Chart



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:**	**17-Dec-2024**
Serial No:	**1106**	**Model:**	**TE-5170X**	**Operator:**	**Andy Li**

Ambient Condition

Actual Pressure during Calibration (P_a) (mm Hg):	765.8	**Actual Temperature during Calibration (T_a) (deg K):**	291.0

Calibration Orifice

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

Calibration Data

Plate or Test #	ΔH_2O (in)	Qa, X-Axis (m^3/min)	I, CFM (chart)	IC, Y-Axis (corrected)
18	11.20	1.655	59.0	59.93
13	10.40	1.595	57.0	57.90
10	8.00	1.401	50.0	50.79
7	7.00	1.311	46.0	46.73
5	5.60	1.174	40.0	40.63

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

m= 39.8826 b= -5.7296 Corr. Coeff= 0.9984

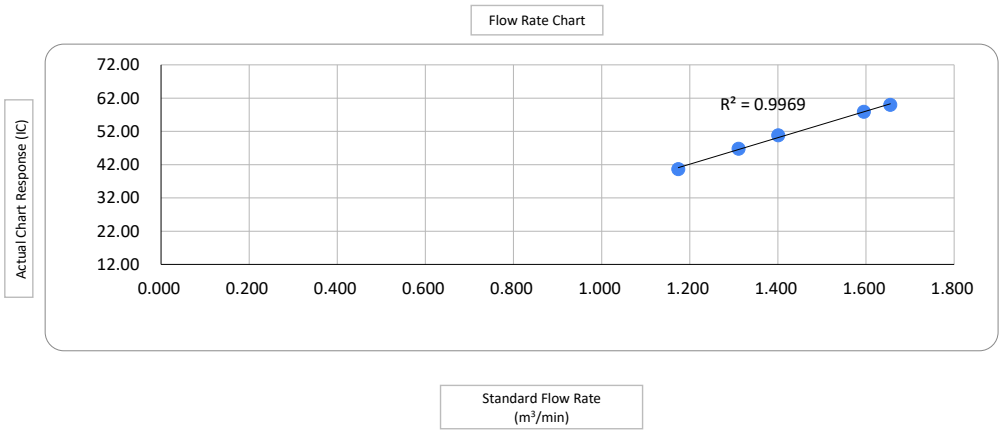
Calculations

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

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

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

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



Checked by: F.C Tsang
Monitoring Team Leader

Date: 17-Dec-2024

ACUITY sustainability
Member of the Aurecon Group

aurecon

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

m= 28.7309 b= 4.4948 Corr. Coeff= 0.9930

Calculations

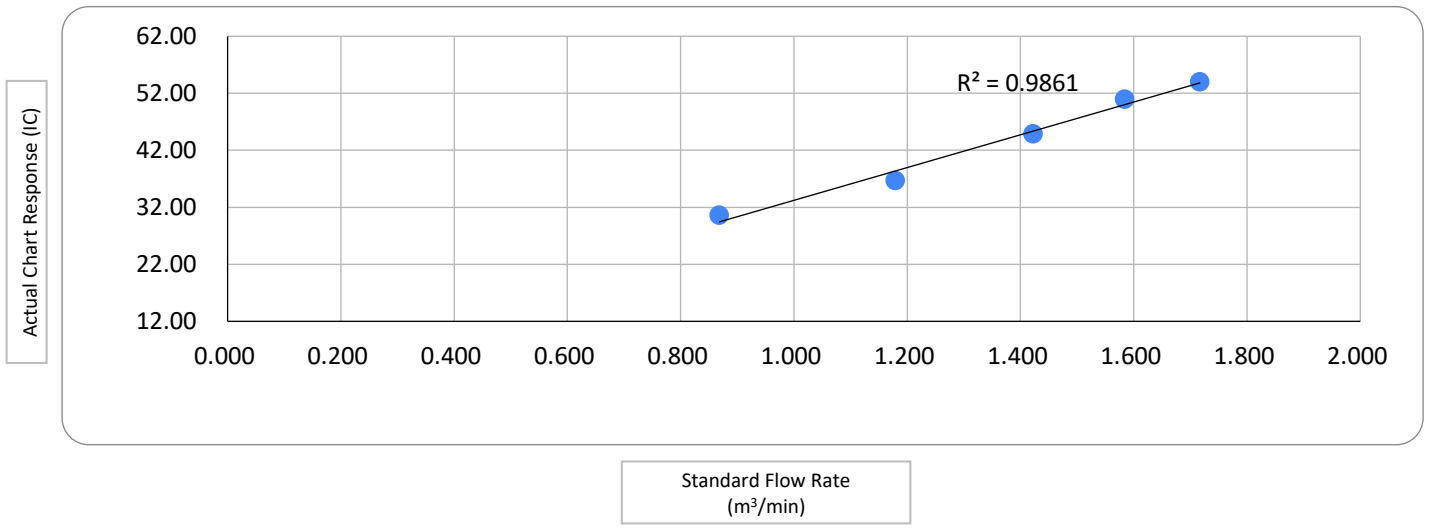
$Qa = 1/m_c * [Sqrt (\Delta H_2O * (P_a/P_{Std}) * (T_{Std}/T_a)) - b_c]$

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

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

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

Flow Rate Chart



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:**	**17-Dec-2024**
Serial No:	**1856**	**Model:**	**TE-5170X**	**Operator:**	**Andy Li**

Ambient Condition

Actual Pressure during Calibration (P_a) (mm Hg):	765.8	**Actual Temperature during Calibration (T_a) (deg K):**	291.0

Calibration Orifice

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

Calibration Data

Plate or Test #	ΔH_2O (in)	Qa, X-Axis (m^3/min)	I, CFM (chart)	IC, Y-Axis (corrected)
18	8.00	1.401	59.0	59.93
13	7.20	1.330	56.0	56.89
10	7.00	1.311	54.0	54.85
7	4.60	1.065	46.0	46.73
5	3.60	0.944	40.0	40.63

0

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

m= 40.4245 b= 2.8882 Corr. Coeff= 0.9959

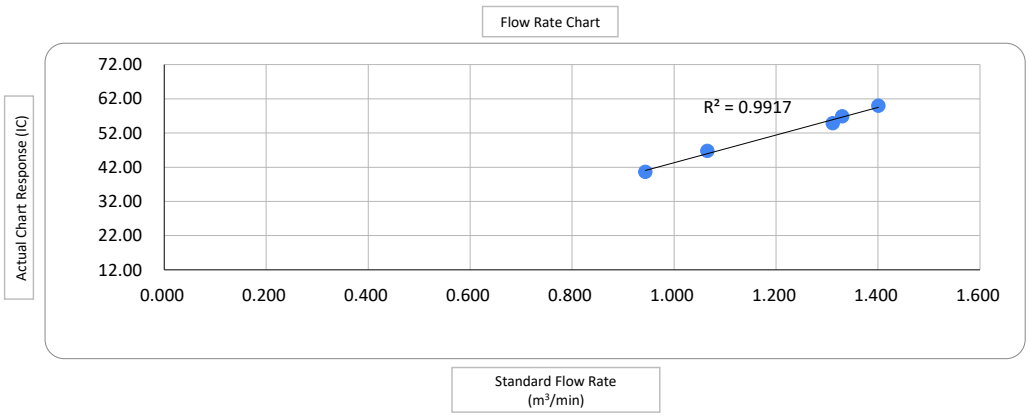
Calculations

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

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

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

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



Checked by: F.C Tsang
Environemntal Team Leader

Date: 17-Dec-2024

ACUITY sustainability
Member of the Aurecon Group

aurecon

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

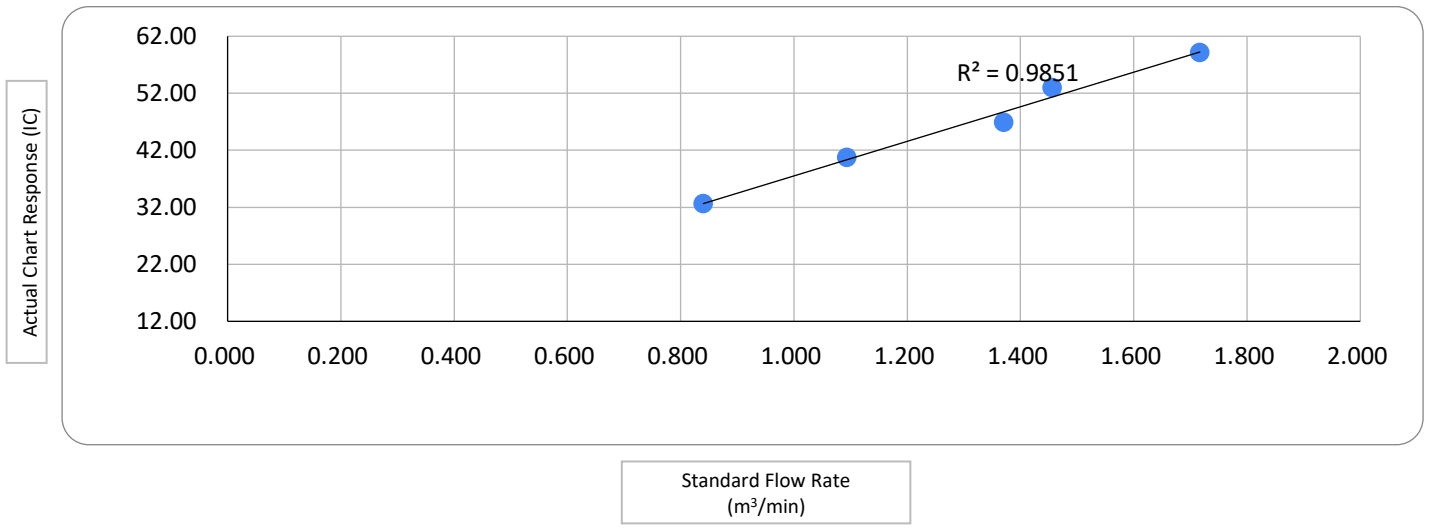
$Qa = 1/m_c * [Sqrt (\Delta H_2O * (P_a/P_{Std}) * (T_{Std}/T_a)) - b_c]$

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

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

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

Flow Rate Chart



Checked by: F.C Tsang
Monitoring Team Leader

Date: 11-Feb-2025

TISCH Environmental

RECALIBRATION DUE DATE:
January 15, 2025

Certificate of Calibration

Calibration Certification Information				
Cal. Date:	January 15, 2024	**Rootsmeter S/N:** 438320	**Ta:** 294	°K
Operator:	Jim Tisch		**Pa:** 755.9	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	1.4350	3.3	2.00
2	3	4	1	1.0180	6.4	4.00
3	5	6	1	0.9090	8.0	5.00
4	7	8	1	0.8670	8.9	5.50
5	9	10	1	0.7150	12.9	8.00

Data Tabulation

Vstd (m3)	Qstd (x-axis)	$\sqrt{\Delta H\left(\frac{Pa}{Pstd}\right)\left(\frac{Tstd}{Ta}\right)}$ (y-axis)	Va	Qa (x-axis)	$\sqrt{\Delta H(Ta/Pa)}$ (y-axis)
1.0037	0.6995	1.4200	0.9956	0.6938	0.8820
0.9996	0.9819	2.0081	0.9915	0.9740	1.2473
0.9975	1.0973	2.2452	0.9894	1.0885	1.3945
0.9963	1.1491	2.3547	0.9882	1.1398	1.4626
0.9909	1.3859	2.8399	0.9829	1.3747	1.7639
QSTD	**m=**	**2.06920**	**QA**	**m=**	**1.29570**
	b=	**-0.02547**		**b=**	**-0.01582**
	r=	**0.99999**		**r=**	**0.99999**

Calculations

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

For subsequent flow rate calculations:

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

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

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

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

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

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

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

TISCH Environmental

RECALIBRATION DUE DATE:
December 2, 2025

Certificate of Calibration

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

Run	Vol. Init (m3)	Vol. Final (m3)	ΔVol. (m3)	ΔTime (min)	ΔP (mm Hg)	ΔH (in H2O)
1	1	2	1	1.4300	3.2	2.00
2	3	4	1	1.0190	6.4	4.00
3	5	6	1	0.9090	7.9	5.00
4	7	8	1	0.8680	8.8	5.50
5	9	10	1	0.7170	12.8	8.00

Data Tabulation

Vstd (m3)	Qstd (x-axis)	$\sqrt{\Delta H\left(\frac{Pa}{Pstd}\right)\left(\frac{Tstd}{Ta}\right)}$ (y-axis)	Va	Qa (x-axis)	$\sqrt{\Delta H\left(Ta/Pa\right)}$ (y-axis)
1.0093	0.7058	1.4238	0.9958	0.6963	0.8796
1.0051	0.9863	2.0136	0.9916	0.9731	1.2439
1.0031	1.1035	2.2512	0.9896	1.0886	1.3907
1.0018	1.1542	2.3611	0.9884	1.1387	1.4586
0.9965	1.3898	2.8476	0.9831	1.3711	1.7592
QSTD	**m=**	**2.08107**	**QA**	**m=**	**1.30313**
	b=	**-0.04295**		**b=**	**-0.02653**
	r=	**0.99999**		**r=**	**0.99999**

Calculations

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

For subsequent flow rate calculations:

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

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

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

Key

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

RECALIBRATION

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

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

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

Noise

Certificate of Calibration

for

Description:	*Sound Level Meter*
Manufacturer:	*NTi Audio*
Type No.:	*XL2 (Serial No.: A2A-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

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

1. *Calibration Precaution:*

- The unit-under-test (UUT) was allowed to stabilize in the laboratory for over 24 hours, and switched on to warm up for over 10 minutes before the commencement of the test.

- The results presented are the mean of 3 measurements at each calibration point.

2. *Calibration Conditions:*

Air Temperature: 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

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

Frequency Response

Linear Response

Setting of Unit-under-test (UUT)			Applied value		UUT Reading, dB	IEC 61672 Class 1 Specification, dB
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Frequency, Hz		
30-130	dB SPL	Fast	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, dB	IEC 61672 Class 1 Specification, dB
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Frequency, Hz		
30-130	dBA SPL	Fast	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 ±1.6
				4000	96.3	+1.0 ±1.6
				8000	93.8	-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	Fast	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

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

5. *Calibration Results Applied*

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

Uncertainties of Applied Value:

94 dB	31.5 Hz	± 0.10
	63 Hz	± 0.05
	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.

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

Certificate of Calibration

for

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

Submitted by:

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

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

☑ **Within**
☐ **Outside**

the allowable tolerance.

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

Date of receipt: 22 July 2024

Date of calibration: 24 July 2024

Date of NEXT calibration: 23 July 2025

Calibrated by: _____
Calibration Technician

Certified by: _____
Mr. Ng Yan Wa
Laboratory Manager

Date of issue: **24 July 2024**

Certificate No.: APJ23-154-CC003

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

1. *Calibration Precautions:*

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

2. *Calibration Specifications:*

Calibration check

3. *Calibration Conditions:*

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

4. *Calibration Equipment:*

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

5. *Calibration Results*

5.1 Sound Pressure Level

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

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

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

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

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

ACCREDITED
Certifiate #3815.01

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	Calibration Condition:	23.3°C, 57%RH, 1002hPa
Date of Calibration:	5 May 2023	Adjustment:	N/A
Due Date of Calibration:	N/A	Appearance:	Good
Calibration Procedure:	SOP-112	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: Cal Lab Limited 校正實驗室有限公司

Certificate Issue Date: 5 May 2023

CT-BEG-03

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

Water Quality

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

REPORT OF EQUIPMENT PERFORMANCE CHECK/ CALIBRATION

Test Report No. : R-BE010185
Date of Issue : 13 January 2025

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
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

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

Reference Equipment Identification

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

Result of Calibration

Water Flow Rate

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

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

Calibrated By: Wing Cheng

Checked and Approved By: Warren Yeung

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

Certificate Issue Date: 12 February 2025

CT-BEG-04

*** End of Certificate ***

Landfill Gas

Asia Pacific Industrial Safety Equipment

Tel: 2592 2100 Fax: 3165 8960

Calibration Certificate

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

Customer: New Concepts Eng Dev Ltd

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

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

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

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

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

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

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

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

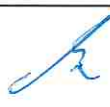
IMPORTANT NOTES TO Blackline Safety GAS DETECTOR USERS

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

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

Calibration By: **Mind Lau**

Services Hotline : 2592 2100



Appendix F Monitoring Results

Air Quality

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

Date	Equipment Brand & Model	Equipment Serial No.	K-factor	Weather	Sampling Time (1)	Sampling Time (2)	Sampling Time (3)	Reading (1) μg/m^3	Reading (2) μg/m^3	Reading (3) μg/m^3	Average μg/m^3	Action Level μg/m^3	Limit Level μg/m^3
01/02/2025	Sibata LD-5R	0Z4545	1.0451	Fine	9:00	10:00	11:00	29	30	29	29	285	500
07/02/2025	Sibata LD-5R	882106	1.0437	Fine	8:13	9:13	10:13	21	20	23	21		
13/02/2025	Sibata LD-5R	0Z4545	1.0451	Fine	8:26	9:26	10:26	28	29	26	28		
19/02/2025	Sibata LD-5R	942532	1.1020	Fine	8:25	9:25	10:25	31	29	36	32		
25/02/2025	Sibata LD-5R	0Z4545	1.0451	Fine	8:25	9:25	10:25	32	35	33	33		
							Average	**29**					
							Max.	**36**					
							Min.	**20**					

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

Date	Equipment Brand & Model	Equipment Serial No.	K-factor	Weather	Sampling Time (1)	Sampling Time (2)	Sampling Time (3)	Reading (1) μg/m^3	Reading (2) μg/m^3	Reading (3) μg/m^3	Average μg/m^3	Action Level μg/m^3	Limit Level μg/m^3
01/02/2025	Sibata LD-5R	942532	1.1020	Fine	8:35	9:35	10:35	40	41	39	40	279	500
07/02/2025	Sibata LD-5R	942532	1.1020	Fine	8:40	9:40	10:40	40	32	44	39		
13/02/2025	Sibata LD-5R	882106	1.0437	Fine	8:39	9:39	10:39	41	39	40	40		
19/02/2025	Sibata LD-5R	882106	1.0437	Fine	8:10	9:10	10:10	51	56	52	53		
25/02/2025	Sibata LD-5R	882106	1.0437	Fine	8:40	9:40	10:40	59	60	61	60		
							Average	**46**					
							Max.	**61**					
							Min.	**32**					

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

Date	Equipment Brand & Model	Equipment Serial No.	K-factor	Weather	Sampling Time (1)	Sampling Time (2)	Sampling Time (3)	Reading (1) μg/m^3	Reading (2) μg/m^3	Reading (3) μg/m^3	Average μg/m^3	Action Level μg/m^3	Limit Level μg/m^3
01/02/2025	Sibata LD-5R	882106	1.0437	Fine	8:15	9:15	10:15	56	57	60	58	285	500
07/02/2025	Sibata LD-5R	0Z4545	1.0451	Fine	8:24	9:24	10:24	60	61	60	60		
13/02/2025	Sibata LD-5R	942532	1.1020	Fine	8:15	9:15	10:15	52	51	50	51		
19/02/2025	Sibata LD-5R	0Z4545	1.0451	Fine	8:39	9:39	10:39	61	65	63	63		
25/02/2025	Sibata LD-5R	942532	1.1020	Fine	8:20	9:20	10:20	60	58	59	59		
							Average	**58**					
							Max.	**65**					
							Min.	**50**					

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

Start Date	Weather Condition	Avg Air Temp	Avg Atmospheric Pressure	Elapse Time		Sampling Time	Averaged Flow Rate	Averaged Flow Rate	Total Flow Volume	Filter Weight (g)		Particulate weight	Concentration	Action Level	Limit Level
		(℃)	(hPa)	Initial	Final	(minutes)	(cfm)	(m^3/min)	(m^3)	Initial	Final	(g)	(μg/m^3)	(μg/m^3)	(μg/m3)
01/02/2025	Fine	19.0	1013.7	4657.03	4681.03	1440	41	1.2	1692	2.6793	2.8254	0.1461	86	164	260
07/02/2025	Fine	25.9	1016.5	4703.39	4727.39	1440	41	1.2	1657	2.6863	2.8397	0.1534	93		
13/02/2025	Fine	21.4	1022.7	4753.18	4777.18	1440	41	0.8	1179	2.6845	2.7827	0.0982	83		
19/02/2025	Fine	17.5	1021.6	4800.32	4824.32	1440	40	0.8	1152	2.6888	2.7871	0.0983	85		
25/02/2025	Fine	17.4	1024.5	4844.18	4868.18	1440	41	0.8	1213	2.6826	2.7890	0.1064	88		
												Average	**87**		
												Min	**83**		
												Max	**93**		

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

Start Date	Weather Condition	Avg Air Temp	Avg Atmospheric Pressure	Elapse Time		Sampling Time	Averaged Flow Rate	Flow Rate	Total Flow Volume	Filter Weight (g)		Particulate weight	Concentration	Action Level	Limit Level
		(℃)	(hPa)	Initial	Final	(minutes)	(cfm)	(m^3/min)	(m^3)	Initial	Final	(g)	(μg/m^3)	(μg/m^3)	(μg/m3)
01/02/2025	Fine	19.0	1013.7	4429.53	4453.53	1440	42	1.2	1721	2.6759	2.8668	0.1909	111	152	260
07/02/2025	Fine	25.5	1016.5	4477.46	4501.46	1440	42	1.2	1726	2.6970	2.8947	0.1977	115		
13/02/2025	Fine	21.4	1022.7	4528.43	4552.43	1440	42	1.3	1887	2.6935	2.8715	0.1780	94		
19/02/2025	Fine	17.5	1021.6	4581.37	4605.37	1440	42	1.3	1899	2.7003	2.8685	0.1682	89		
25/02/2025	Fine	17.4	1024.5	4629.24	4653.24	1440	39	1.2	1751	2.6694	2.8266	0.1572	90		
												Average	**100**		
												Min	**89**		
												Max	**115**		

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

Start Date	Weather Condition	Avg Air Temp	Avg Atmospheric Pressure	Elapse Time		Sampling Time	Averaged Flow Rate	Flow Rate	Total Flow Volume	Filter Weight (g)		Particulate weight	Concentration	Action Level	Limit Level
		(℃)	(hPa)	Initial	Final	(minutes)	(cfm)	(m^3/min)	(m^3)	Initial	Final	(g)	(μg/m^3)	(μg/m^3)	(μg/m3)
01/02/2025	Fine	19.0	1013.7	5275.14	5299.14	1440	42	1.0	1409	2.6753	2.8349	0.1596	113	163	260
07/02/2025	Fine	25.6	1016.2	5322.63	5346.63	1440	42	1.0	1396	2.6991	2.8650	0.1659	119		
13/02/2025	Fine	21.4	1022.7	5372.54	5396.54	1440	42	1.2	1660	2.6861	2.8549	0.1688	102		
19/02/2025	Fine	17.5	1021.6	5415.97	5439.97	1440	41	1.1	1647	2.6873	2.8421	0.1548	94		
25/02/2025	Fine	17.4	1024.5	5459.59	5483.59	1440	41	1.1	1653	2.6813	2.8612	0.1799	109		
												Average	**107**		
												Min	**94**		
												Max	**119**		

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
07/02/2025	Fine	1.6	9:10	9:40	60.2	59.6	61.2	60.6	60.9	61.6	60.7	62.6	61.5	63.2	62.9	63.1	62.6	58.2	57.3	59.2	58.6	58.9	60.6
13/02/2025	Fine	1.2	8:12	8:42	60.2	60.5	59.5	58.5	59.9	61.2	60.0	61.5	61.9	60.9	59.5	61.2	62.6	59.2	59.6	58.5	57.6	58.1	60.2
19/02/2025	Fine	1.2	8:10	8:40	58.7	59.7	59.4	58.1	57.6	58.9	58.8	59.9	60.3	60.2	59.6	58.9	59.9	57.6	58.2	58.1	57.6	56.3	57.6
25/02/2025	Fine	1.5	8:15	8:45	58.1	57.6	57.4	58.9	57.9	57.2	57.9	60.2	59.1	59.9	59.4	60.4	59.1	57.1	56.1	56.0	57.6	56.3	56.6

Average	59.5
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
07/02/2025	Fine	1.1	14:00	14:30	52.5	51.6	51.9	52.2	52.9	53.0	52.4	53.6	52.9	53.1	53.6	53.6	54.0	51.2	50.6	50.9	51.2	51.9	51.0
13/02/2025	Fine	1.1	10:30	11:00	45.2	46.1	44.6	46.2	45.9	56.1	49.9	46.2	47.8	45.8	47.9	47.0	47.6	44.2	45.2	43.2	45.2	44.2	45.3
19/02/2025	Fine	1.1	10:40	11:10	55.1	54.3	54.6	55.2	54.9	55.6	55.0	57.1	56.4	56.9	57.1	56.9	56.6	53.6	52.5	52.9	52.4	53.1	54.1
25/02/2025	Fine	1.2	16:10	16:40	55.1	54.2	54.5	55.6	53.6	54.4	54.6	56.1	55.6	55.6	56.2	54.5	55.6	54.2	53.2	53.2	54.1	52.5	53.2

Average	53.4
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-Feb-25	10:30	Fine	0.06	0.2	14.8	7.6	<7.4	<4	6.4	>7.7	>7.8	1.0	>9.2	>9.5	1.5	>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-Feb-25	8:10	Fine	0.20	0.2	18.0	7.4	<5	<4	7.0	>7.6	>7.7	80.4	>108.3	>108.9	72.4	>94.5	>94.7

Remarks

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

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

3. Orange Text equal to exceed Action Level

4. Red Text equal to exceed Limit Level

ALS Technichem (HK) Pty Ltd

ALS Laboratory Group
ANALYTICAL CHEMISTRY & TESTING SERVICES

CERTIFICATE OF ANALYSIS

Client	: ACUMEN LABORATORY AND TESTING LIMITED	Laboratory	: ALS Technichem (HK) Pty Ltd	Page	: 1 of 9
Contact	: MR. HUNTINGTON HUI	Contact	: Richard Fung	Work Order	: HK2506084
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	: 13-Feb-2025
Order number	: ----	Quote number	: HKE/2751/2022_V5	Issue Date	: 27-Feb-2025
C-O-C number	: ----			No. of samples received	: 2
Site	:			No. of samples analysed	: 2

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

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

General Comments

This report supersedes any previous report(s) with the same work order number. All pages of this report have been checked and approved for release. When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes. Testing period is from 13-Feb-2025 to 26-Feb-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: HK2506084

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 17:10.

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

EA025 - The accredited LOR of Total Suspended Solids is 0.5mg/L. Results below this LOR are for reference only.

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.

Analytical Results

Sub-Matrix: **WATER**

Compound	CAS Number	LOR	Unit	Sample ID	WM1	WM2	----	----	----
				Sampling date / time	13-Feb-2025	13-Feb-2025	----	----	----
					HK2506084-001	HK2506084-002	-------	-------	-------
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	0.1	mg/L		1.5	72.4	----	----	----
ED037: Total Alkalinity as CaCO3	----	1	mg/L		13	83	----	----	----
ED/EK: Inorganic Nonmetallic Parameters									
ED041K: Sulphate as SO4 - Turbidimetric	----	1	mg/L		6	46	----	----	----
ED045K: Chloride	16887-00-6	0.5	mg/L		6	9	----	----	----
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		0.02	0.08	----	----	----
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		0.02	0.42	----	----	----
EK061A: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.3	0.6	----	----	----
EK071K: Reactive Phosphorus as P	14265-44-2	0.01	mg/L		<0.01	<0.01	----	----	----
EK086: Sulphite as SO3 2-	14265-45-3	2	mg/L		<2	<2	----	----	----
EP: Aggregate Organics									
EP005: Total Organic Carbon	----	1	mg/L		1	3	----	----	----
EP020: Oil & Grease	----	5	mg/L		<5	<5	----	----	----
EP026C: Chemical Oxygen Demand	----	5	mg/L		<5	20	----	----	----
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	2	----	----	----
EG: Metals and Major Cations - Total									
EG020: Cadmium	7440-43-9	0.2	µg/L		<0.2	<0.2	----	----	----
EG020: Copper	7440-50-8	1	µg/L		16	6	----	----	----
EG020: Lead	7439-92-1	1	µg/L		1	8	----	----	----
EG020: Manganese	7439-96-5	1	µg/L		36	528	----	----	----
EG020: Nickel	7440-02-0	1	µg/L		<1	1	----	----	----
EG020: Zinc	7440-66-6	10	µg/L		45	35	----	----	----
EG032: Calcium	7440-70-2	50	µg/L		3360	38800	----	----	----
EG032: Iron	7439-89-6	10	µg/L		450	3660	----	----	----
EG032: Magnesium	7439-95-4	50	µg/L		500	2120	----	----	----
EG032: Potassium	7440-09-7	50	µg/L		390	5500	----	----	----
EG032: Sodium	7440-23-5	50	µg/L		8250	9020	----	----	----
EM: Microbiological Testing									
EM002: E. coli	----	1	CFU/100mL		8	21000	----	----	----

Sub-Matrix: WATER			Sample ID	WM1	WM2	----	----	----
			Sampling date / time	13-Feb-2025	13-Feb-2025	----	----	----
Compound	CAS Number	LOR	Unit	HK2506084-001	HK2506084-002	--------	--------	--------
EM: Microbiological Testing - Continued								
EM003: Total Coliforms	----	1	CFU/100mL	13	20000	----	----	----

-------- 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: 6387316)								
HK2506399-001	Anonymous	ED037: Total Alkalinity as CaCO3	----	1	mg/L	17700	17800	0.6
EA/ED: Physical and Aggregate Properties (QC Lot: 6397988)								
HK2506061-001	Anonymous	EA025: Suspended Solids (SS)	----	0.5	mg/L	46.4	47.9	3.2
HK2507153-004	Anonymous	EA025: Suspended Solids (SS)	----	0.5	mg/L	10.5	9.7	7.9
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 6376335)								
HK2506046-003	Anonymous	EK071K: Reactive Phosphorus as P	14265-44-2	0.01	mg/L	0.12	0.12	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 6383239)								
HK2506051-002	Anonymous	ED041K: Sulphate as SO4 - Turbidimetric	----	1	mg/L	2	2	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 6383240)								
HK2506318-006	Anonymous	ED045K: Chloride	16887-00-6	1	mg/L	<1	<1	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 6392947)								
HK2507113-004	Anonymous	EK055K: Ammonia as N	7664-41-7	0.01	mg/L	27.8	27.4	1.4
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 6396410)								
HK2505649-001	Anonymous	EK086: Sulphite as SO3 2-	14265-45-3	2	mg/L	<2	<2	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 6400685)								
HK2506084-001	WM1	EK061A: Total Kjeldahl Nitrogen as N	----	0.1	mg/L	0.3	0.2	0.0
EP: Aggregate Organics (QC Lot: 6383737)								
HK2505689-001	Anonymous	EP005: Total Organic Carbon	----	1	mg/L	17	16	6.3
EP: Aggregate Organics (QC Lot: 6399835)								
HK2506084-001	WM1	EP026C: Chemical Oxygen Demand	----	5	mg/L	<5	<5	0.0
EG: Metals and Major Cations - Total (QC Lot: 6376238)								
HK2505952-001	Anonymous	EG020: Cadmium	7440-43-9	0.2	µg/L	<0.2	<0.2	0.0
		EG020: Copper	7440-50-8	1	µg/L	<1	<1	0.0
		EG020: Lead	7439-92-1	1	µg/L	<1	<1	0.0
		EG020: Manganese	7439-96-5	1	µg/L	0.011 mg/L	11	0.0
		EG020: Nickel	7440-02-0	1	µg/L	1	<1	0.0
		EG020: Zinc	7440-66-6	10	µg/L	<10	<10	0.0
EG: Metals and Major Cations - Total (QC Lot: 6376241)								

Matrix: **WATER**

Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Laboratory Duplicate (DUP) Report				
				LOR	Unit	Original Result	Duplicate Result	RPD (%)
EG: Metals and Major Cations - Total (QC Lot: 6376241) - Continued								
HK2506084-002	WM2	**EG032: Iron**	7439-89-6	10	µg/L	3660	3470	5.2
		EG032: Calcium	7440-70-2	50	µg/L	38800	39100	0.6
		EG032: Magnesium	7439-95-4	50	µg/L	2120	2140	0.9
		EG032: Potassium	7440-09-7	50	µg/L	5500	5520	0.3
		EG032: Sodium	7440-23-5	50	µg/L	9020	9070	0.7

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

Matrix: **WATER**

Method: Compound	CAS Number	Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
					Spike Concentration	Spike Recovery (%)		Recovery Limits(%)		RPD (%)	
		LOR	Unit	Result		LCS	DCS	Low	High	Value	Control Limit
EA/ED: Physical and Aggregate Properties (QC Lot: 6387316)											
ED037: Total Alkalinity as CaCO3	----	1	mg/L	<1	50 mg/L	101	----	95.0	105	----	----
				<1	2000 mg/L	99.9	----	95.0	105	----	----
EA/ED: Physical and Aggregate Properties (QC Lot: 6397988)											
EA025: Suspended Solids (SS)	----	0.5	mg/L	<0.5	10 mg/L	88.0	----	85.0	115	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 6376335)											
EK071K: Reactive Phosphorus as P	14265-44-2	0.01	mg/L	<0.01	0.5 mg/L	98.4	----	92.4	106	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 6383239)											
ED041K: Sulphate as SO4 - Turbidimetric	----	1	mg/L	<1	5 mg/L	105	----	89.2	112	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 6383240)											
ED045K: Chloride	16887-00-6	1	mg/L	<1	10 mg/L	103	----	90.8	106	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 6392947)											
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	0.5 mg/L	100.0	----	87.3	110	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 6396410)											
EK086: Sulphite as SO3 2-	14265-45-3	2	mg/L	<2	----	----	----	----	----	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 6400685)											
EK061A: Total Kjeldahl Nitrogen as N	----	0.1	mg/L	<0.1	0.5 mg/L	110	----	85.0	115	----	----
EP: Aggregate Organics (QC Lot: 6374570)											
EP030: Biochemical Oxygen Demand	----	----	mg/L	----	198 mg/L	97.6	----	80.9	119	----	----

Matrix: **WATER**

Method: Compound	CAS Number	Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report					
					Spike Concentration	Spike Recovery (%)		Recovery Limits(%)		RPD (%)	
		LOR	Unit	Result		LCS	DCS	Low	High	Value	Control Limit
EP: Aggregate Organics (QC Lot: 6383737)											
EP005: Total Organic Carbon	----	1	mg/L	<1	5 mg/L	92.4	----	81.4	116	----	----
				<1	100 mg/L	95.3	----	85.7	117	----	----
EP: Aggregate Organics (QC Lot: 6396402)											
EP020: Oil & Grease	----	2	mg/L	<2	20 mg/L	100	----	80.4	107	----	----
EP: Aggregate Organics (QC Lot: 6399835)											
EP026C: Chemical Oxygen Demand	----	----	mg/L	----	25 mg/L	102	----	92.3	108	----	----
				----	250 mg/L	100	----	93.7	105	----	----
EG: Metals and Major Cations - Total (QC Lot: 6376238)											
EG020: Cadmium	7440-43-9	0.2	µg/L	<0.2	5 µg/L	98.7	----	85.0	109	----	----
EG020: Copper	7440-50-8	1	µg/L	<1	50 µg/L	97.8	----	90.0	111	----	----
EG020: Lead	7439-92-1	1	µg/L	<1	50 µg/L	92.9	----	89.0	111	----	----
EG020: Manganese	7439-96-5	1	µg/L	<1	50 µg/L	93.2	----	85.0	115	----	----
EG020: Nickel	7440-02-0	1	µg/L	<1	50 µg/L	98.0	----	87.0	110	----	----
EG020: Zinc	7440-66-6	10	µg/L	<10	50 µg/L	98.9	----	86.0	114	----	----
EG: Metals and Major Cations - Total (QC Lot: 6376241)											
EG032: Calcium	7440-70-2	50	µg/L	<50	2000 µg/L	93.1	----	85.0	115	----	----
EG032: Iron	7439-89-6	10	µg/L	<10	2000 µg/L	98.1	----	85.0	115	----	----
EG032: Magnesium	7439-95-4	50	µg/L	<50	2000 µg/L	93.9	----	85.0	115	----	----
EG032: Potassium	7440-09-7	50	µg/L	<50	2000 µg/L	93.7	----	85.0	115	----	----
EG032: Sodium	7440-23-5	50	µg/L	<50	2000 µg/L	96.0	----	85.0	115	----	----

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

Matrix: **WATER**

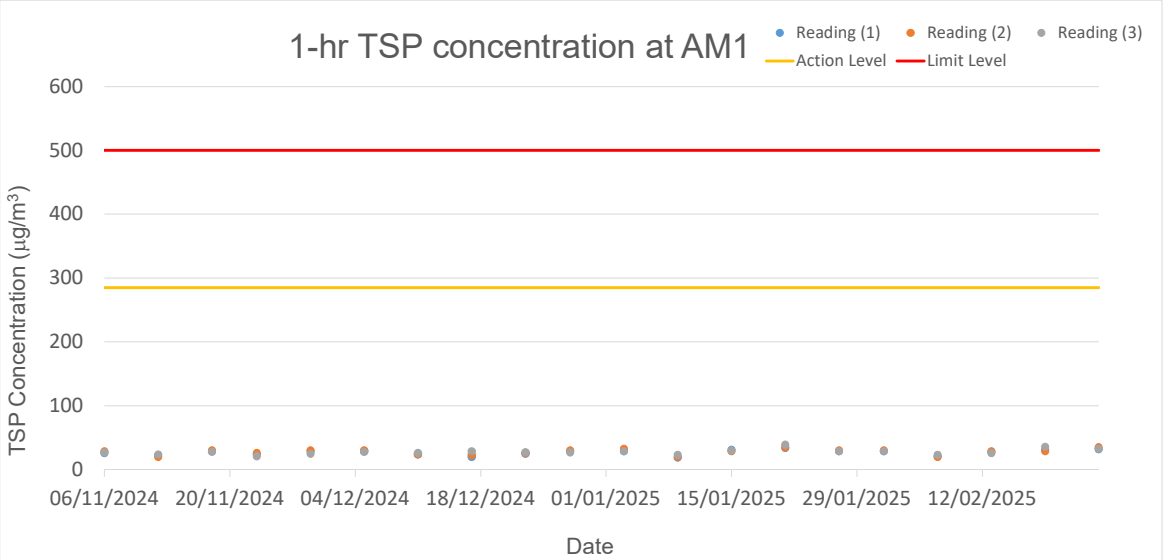
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report						
				Spike Concentration	Spike Recovery (%)		Recovery Limits (%)		RPD (%)	
					MS	MSD	Low	High	Value	Control Limit
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 6376335)										
HK2506046-003	Anonymous	EK071K: Reactive Phosphorus as P	14265-44-2	0.5 mg/L	97.0	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 6383239)										
HK2506051-002	Anonymous	ED041K: Sulphate as SO4 - Turbidimetric	----	5 mg/L	90.3	----	67.2	118	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 6383240)										
HK2506318-006	Anonymous	ED045K: Chloride	16887-00-6	5 mg/L	88.3	----	65.2	115	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 6392947)										
HK2507113-004	Anonymous	EK055K: Ammonia as N	7664-41-7	50 mg/L	120	----	67.6	134	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 6400685)										
HK2506084-001	WM1	EK061A: Total Kjeldahl Nitrogen as N	----	0.5 mg/L	95.9	----	67.9	139	----	----
EP: Aggregate Organics (QC Lot: 6383737)										
HK2505688-001	Anonymous	EP005: Total Organic Carbon	----	25 mg/L	99.1	----	73.6	121	----	----
EP: Aggregate Organics (QC Lot: 6399835)										
HK2506084-001	WM1	EP026C: Chemical Oxygen Demand	----	10 mg/L	100	----	72.4	125	----	----
EG: Metals and Major Cations - Total (QC Lot: 6376238)										
HK2505948-001	Anonymous	EG020: Cadmium	7440-43-9	5 µg/L	98.1	----	75.0	125	----	----
		EG020: Copper	7440-50-8	50 µg/L	102	----	75.0	125	----	----
		EG020: Lead	7439-92-1	50 µg/L	95.6	----	75.0	125	----	----
		EG020: Manganese	7439-96-5	50 µg/L	99.0	----	75.0	125	----	----
		EG020: Nickel	7440-02-0	50 µg/L	102	----	75.0	125	----	----
		EG020: Zinc	7440-66-6	50 µg/L	98.5	----	75.0	125	----	----
EG: Metals and Major Cations - Total (QC Lot: 6376241)										
HK2506084-001	WM1	EG032: Calcium	7440-70-2	2000 µg/L	103	----	75.0	125	----	----
		EG032: Iron	7439-89-6	2000 µg/L	102	----	75.0	125	----	----
		EG032: Magnesium	7439-95-4	2000 µg/L	92.5	----	75.0	125	----	----
		EG032: Potassium	7440-09-7	2000 µg/L	102	----	75.0	125	----	----

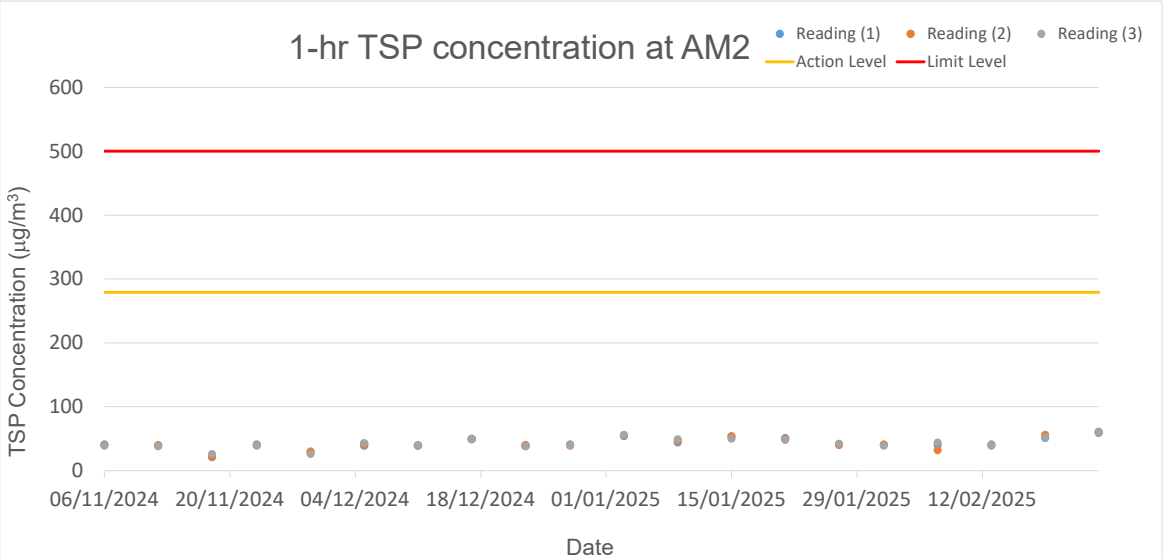
Matrix: **WATER**

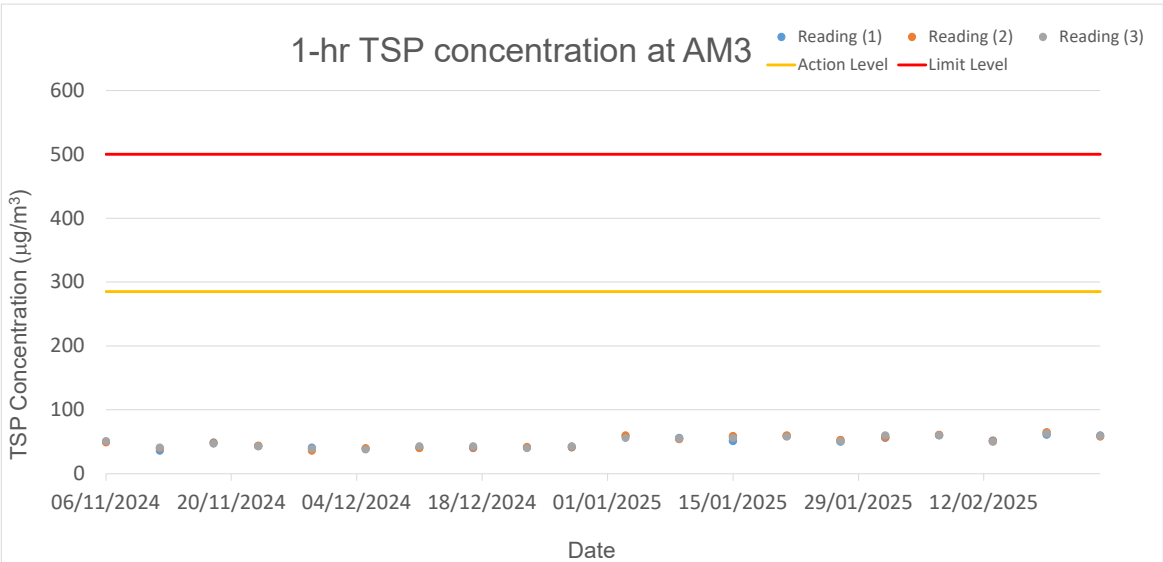
Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report										
				Spike Concentration	Spike Recovery (%)		Recovery Limits (%)		RPD (%)	
Laboratory sample ID	Sample ID	Method: Compound	CAS Number		MS	MSD	Low	High	Value	Control Limit
EG: Metals and Major Cations - Total (QC Lot: 6376241) - Continued										
HK2506084-001	WM1	**EG032: Sodium**	7440-23-5	2000 µg/L	# Not Determined	----	75.0	125	----	----

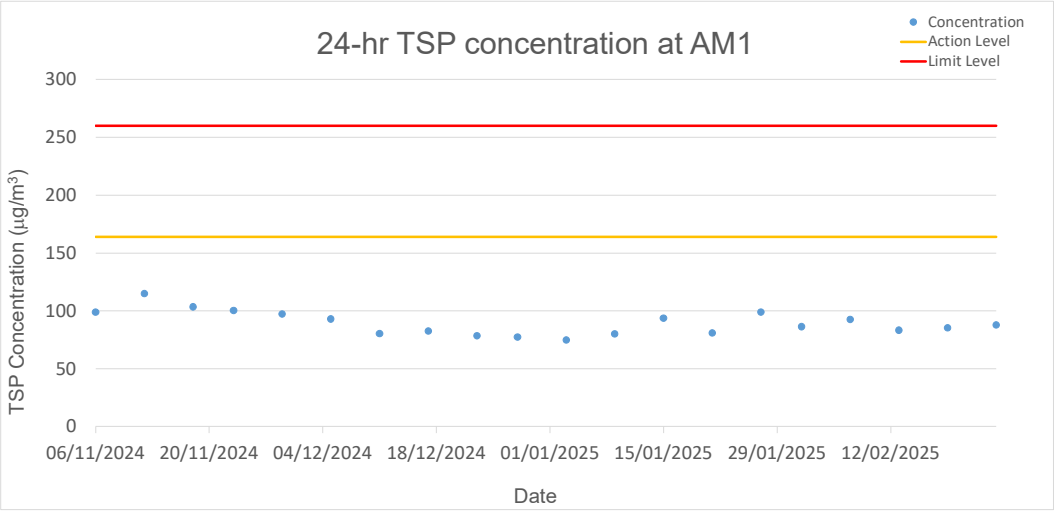
Appendix G Graphical Presentations

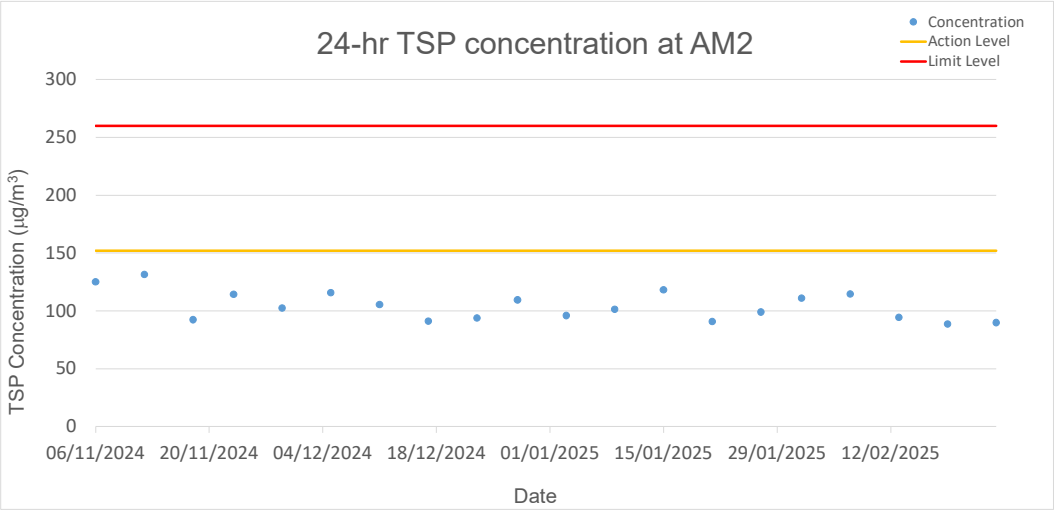
Air Quality

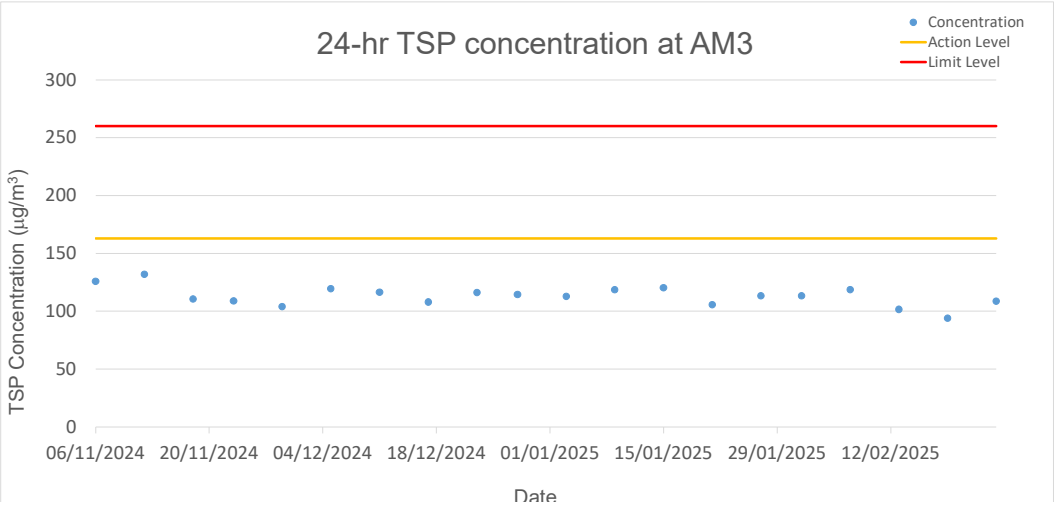

1-hr TSP concentration at AM1
Reading (1)
Reading (2)
Reading (3)
Action Level
Limit Level
TSP Concentration (µg/m3)
600
500
400
300
200
100
0
06/11/2024
20/11/2024
04/12/2024
18/12/2024
01/01/2025
15/01/2025
29/01/2025
12/02/2025
Date


1-hr TSP concentration at AM2
Reading (1)
Reading (2)
Reading (3)
Action Level
Limit Level
TSP Concentration (µg/m3)
600
500
400
300
200
100
0
06/11/2024
20/11/2024
04/12/2024
18/12/2024
01/01/2025
15/01/2025
29/01/2025
12/02/2025
Date

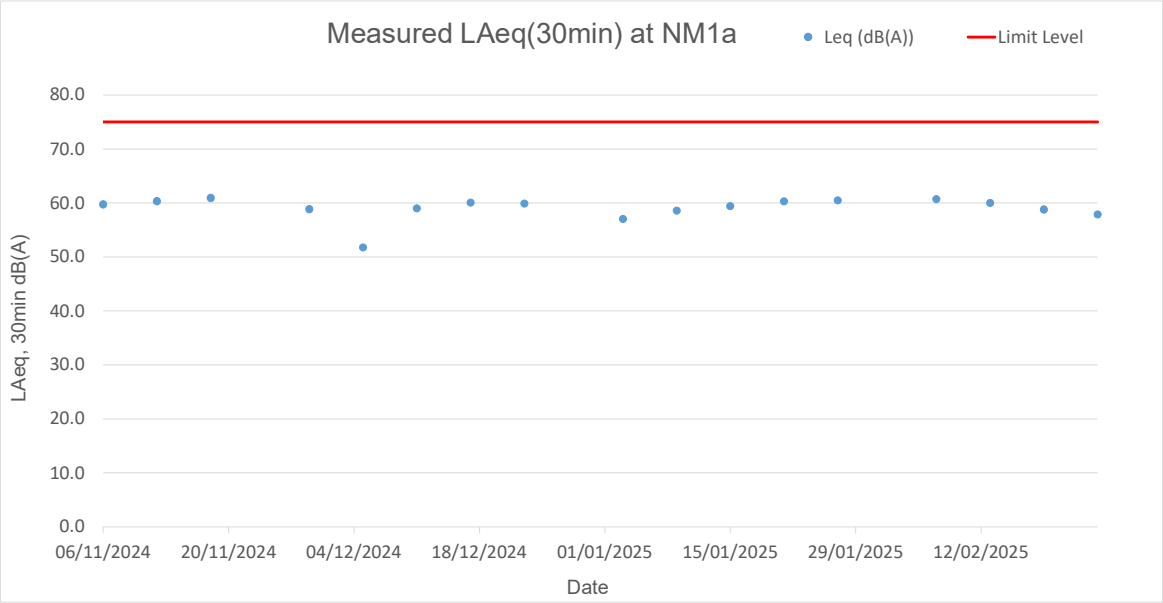

1-hr TSP concentration at AM3
Reading (1)
Reading (2)
Reading (3)
Action Level
Limit Level
TSP Concentration (µg/m3)
600
500
400
300
200
100
0
06/11/2024
20/11/2024
04/12/2024
18/12/2024
01/01/2025
15/01/2025
29/01/2025
12/02/2025
Date

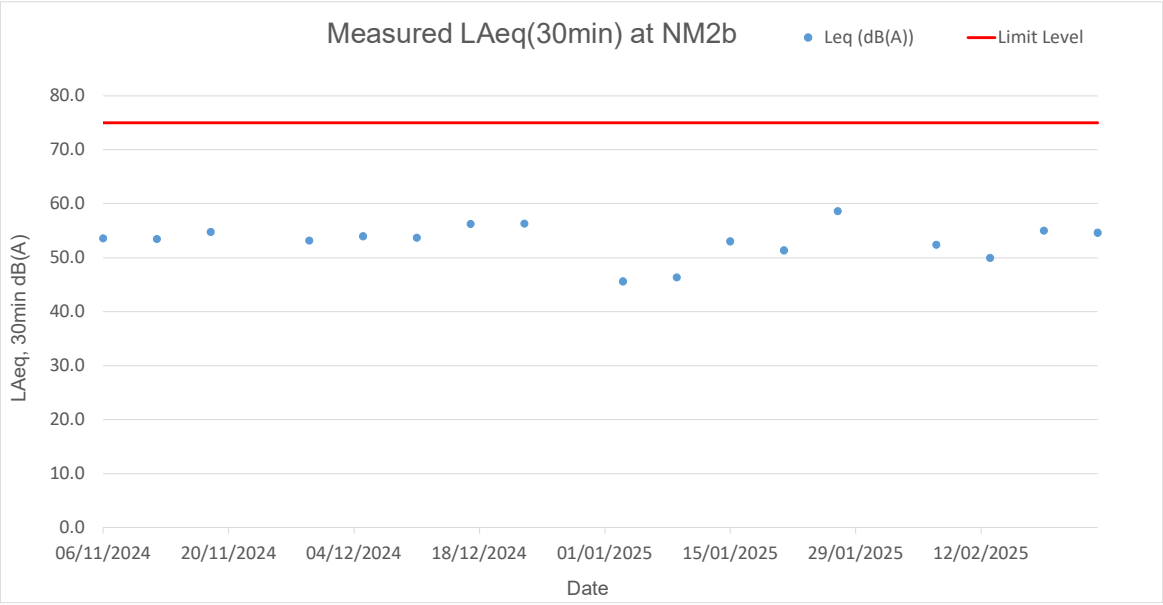

24-hr TSP concentration at AM1
Concentration
Action Level
Limit Level
TSP Concentration (µg/m³)
300
250
200
150
100
50
0
06/11/2024
20/11/2024
04/12/2024
18/12/2024
01/01/2025
15/01/2025
29/01/2025
12/02/2025
Date


24-hr TSP concentration at AM2
Concentration
Action Level
Limit Level
TSP Concentration (µg/m³)
300
250
200
150
100
50
0
06/11/2024
20/11/2024
04/12/2024
18/12/2024
01/01/2025
15/01/2025
29/01/2025
12/02/2025
Date


24-hr TSP concentration at AM3
Concentration
Action Level
Limit Level
TSP Concentration (µg/m³)
300
250
200
150
100
50
0
06/11/2024
20/11/2024
04/12/2024
18/12/2024
01/01/2025
15/01/2025
29/01/2025
12/02/2025
Date

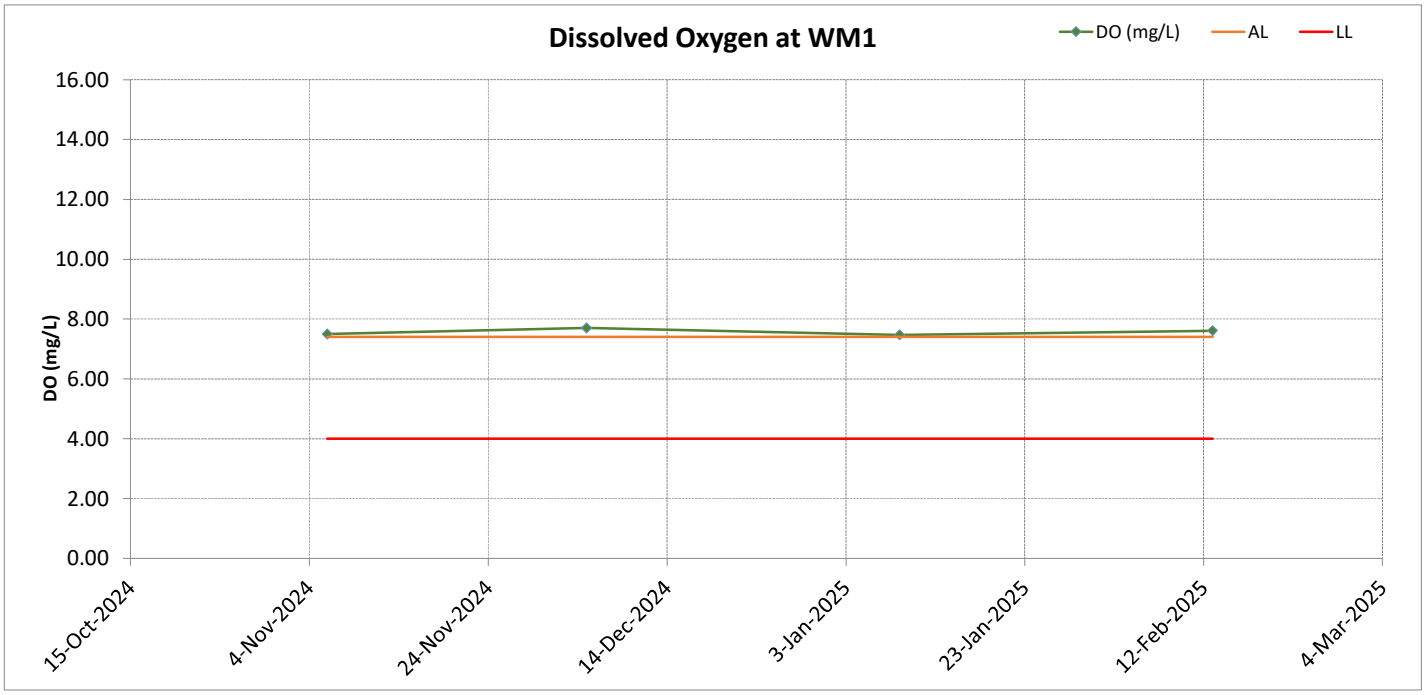
Noise

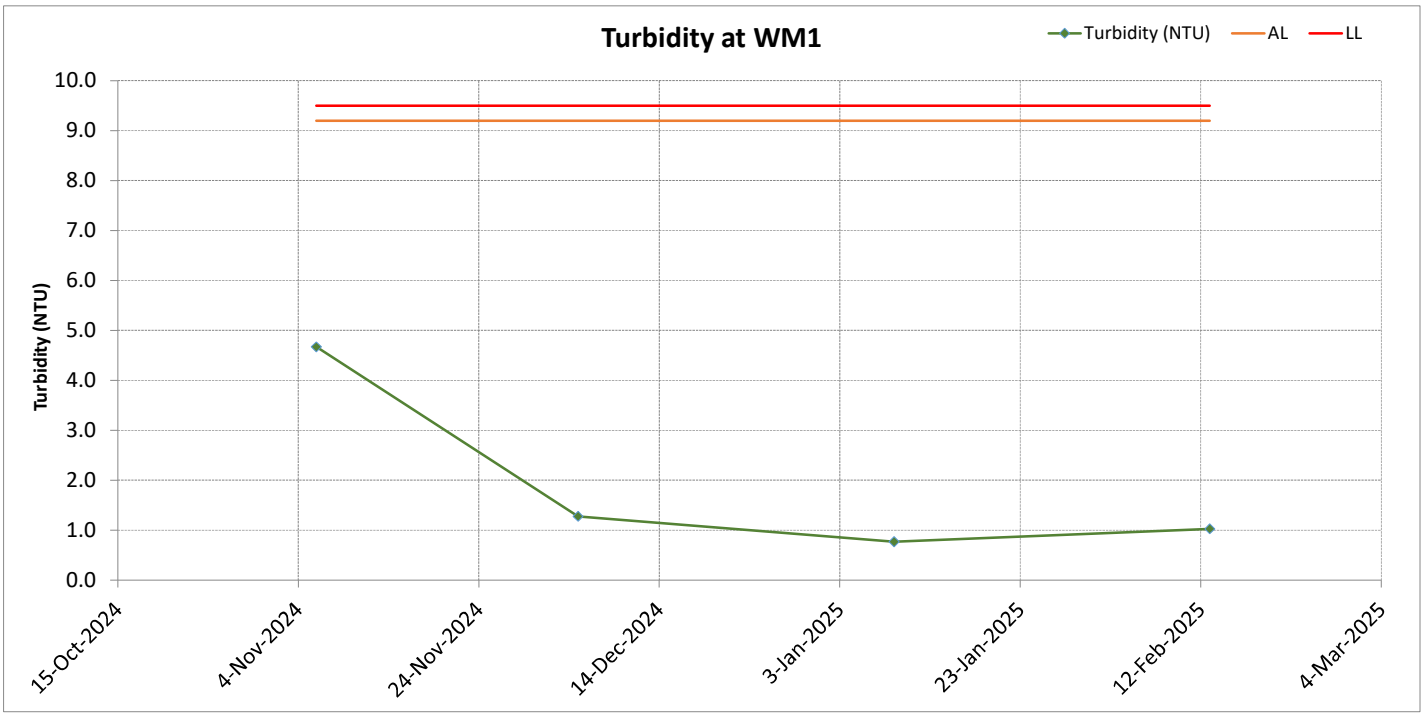

Measured LAeq(30min) at NM1a
Leq (dB(A))
Limit Level
80.0
70.0
60.0
50.0
40.0
30.0
20.0
10.0
0.0
LAeq, 30min dB(A)
06/11/2024
20/11/2024
04/12/2024
18/12/2024
01/01/2025
15/01/2025
29/01/2025
12/02/2025
Date


Measured LAeq(30min) at NM2b
Leq (dB(A))
Limit Level
80.0
70.0
60.0
50.0
40.0
30.0
20.0
10.0
0.0
LAeq, 30min dB(A)
06/11/2024
20/11/2024
04/12/2024
18/12/2024
01/01/2025
15/01/2025
29/01/2025
12/02/2025
Date

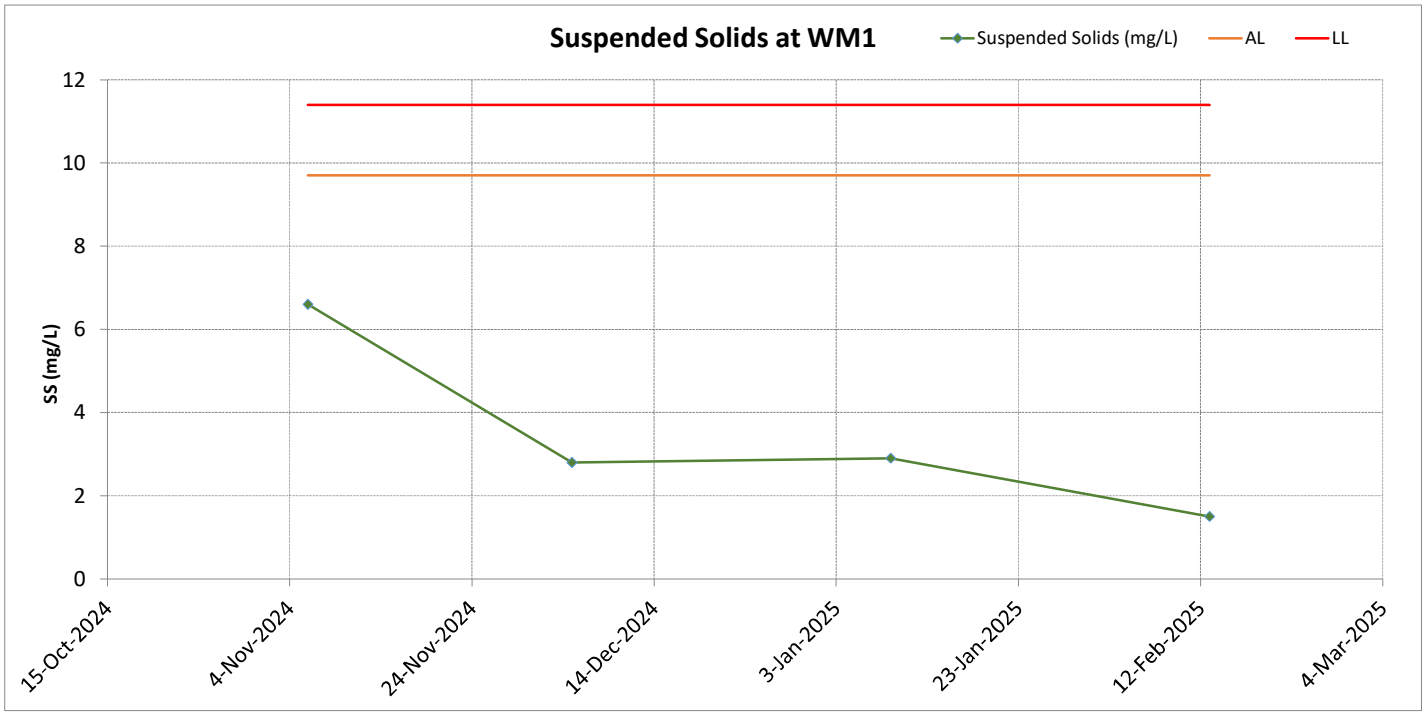
Water Quality

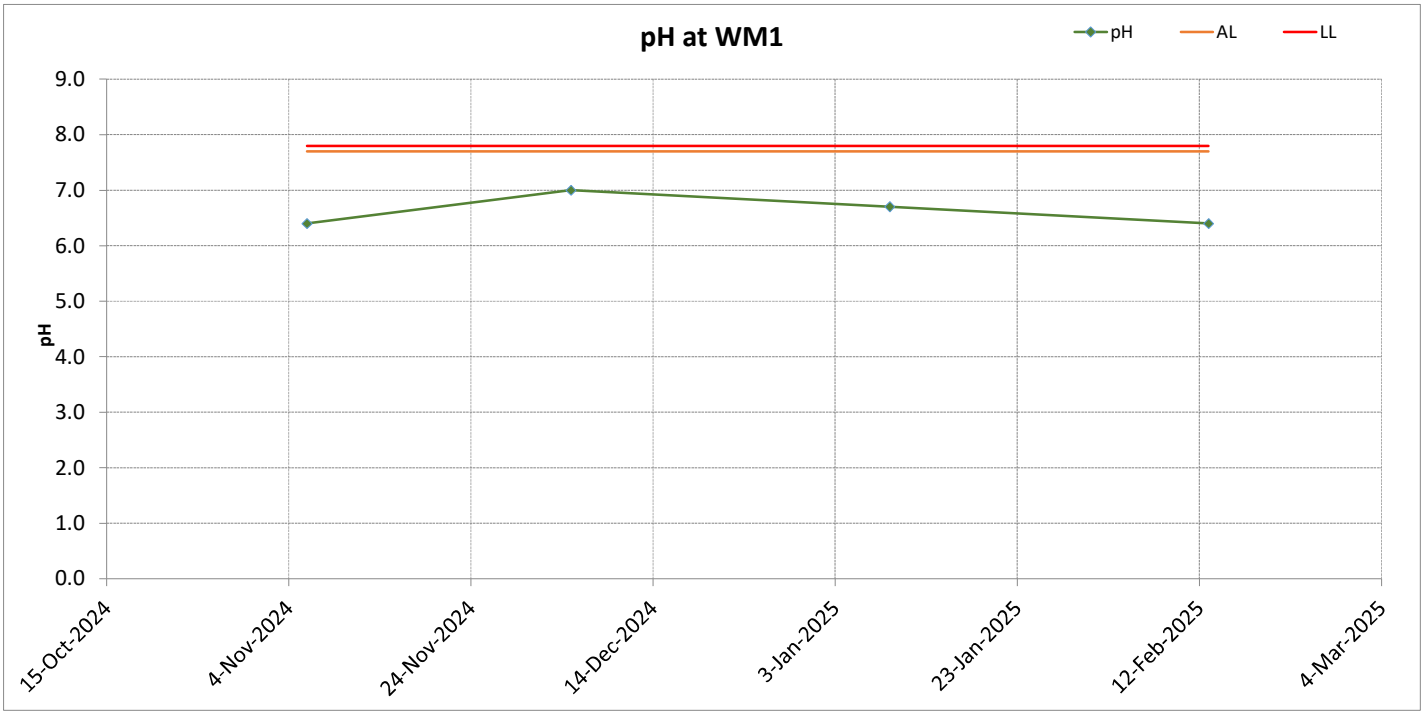
Surface Water Monitoring Results at WM1



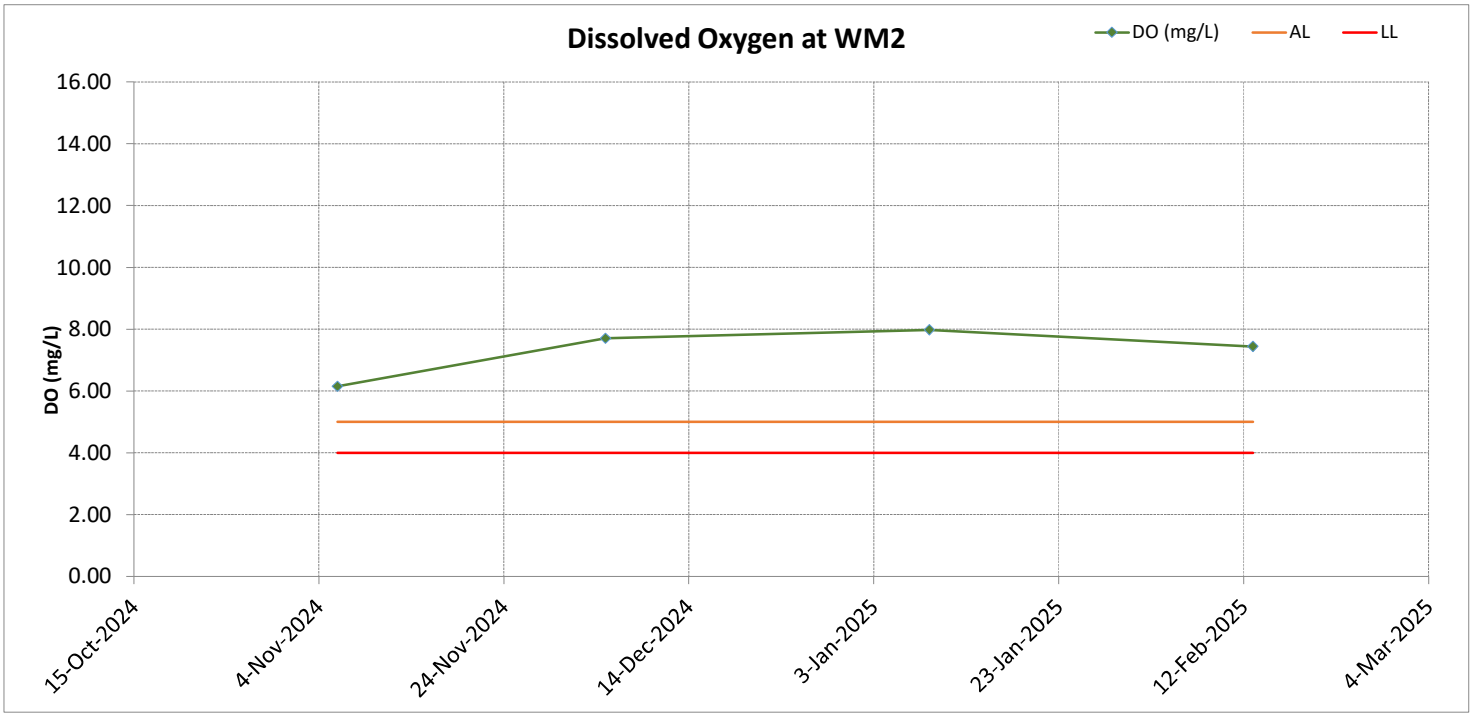


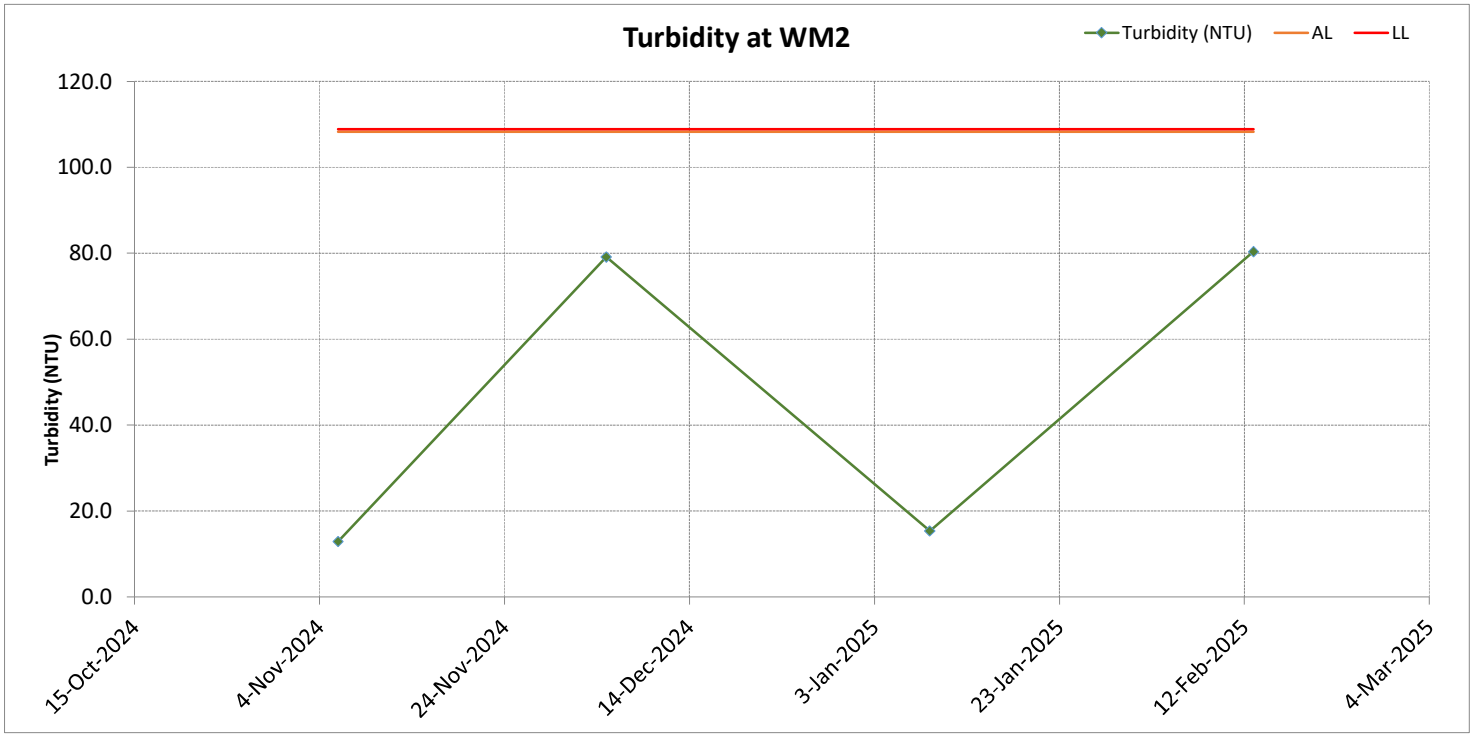
Surface Water Monitoring Results at WM1



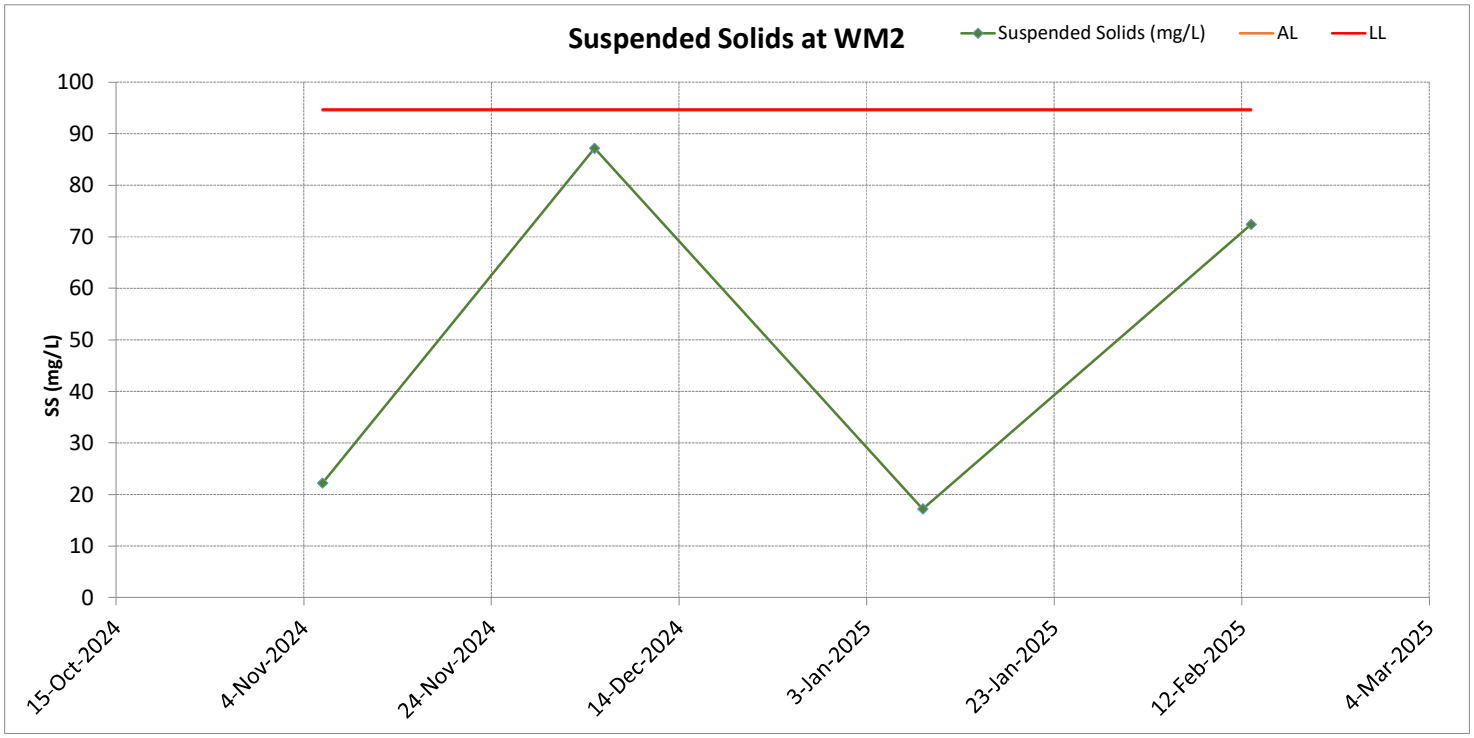


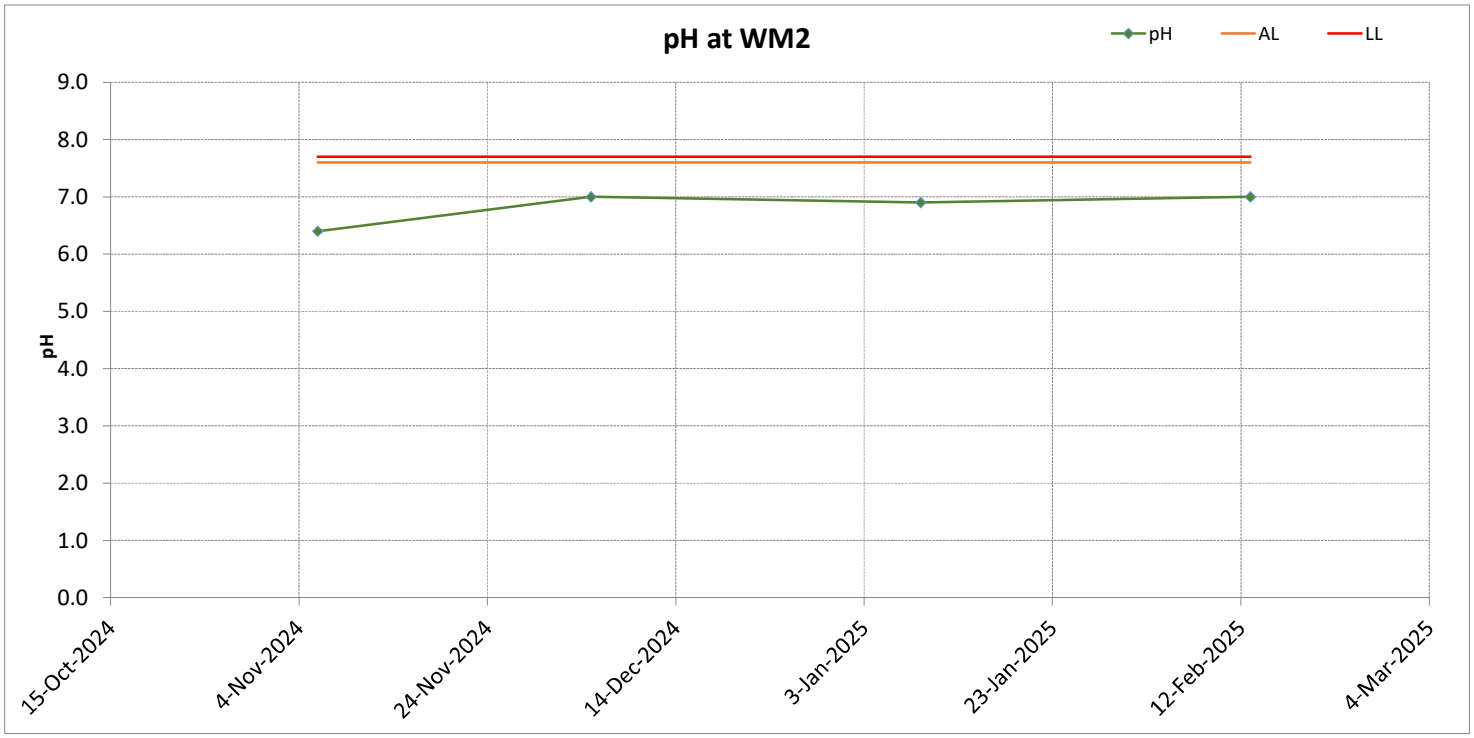
Surface Water Monitoring Results at WM2





Surface Water Monitoring Results at WM2





Appendix H Notification of Environmental Quality Limits Exceedance

Notification of Environmental Quality Limits Exceedance

Air Quality Monitoring - Construction Dust

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

Noise Monitoring

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

Notification of Environmental Quality Limits Exceedance

Surface Water Monitoring

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

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

Appendix I Wind Data

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250201_0003	0.7	157
20250201_0013	0.1	163
20250201_0023	1	43
20250201_0033	0.1	251
20250201_0043	0.4	44
20250201_0053	0.1	129
20250201_0103	0.3	115
20250201_0113	0.1	164
20250201_0123	0.1	287
20250201_0133	0.1	276
20250201_0143	0.1	51
20250201_0153	0.1	195
20250201_0203	0.1	122
20250201_0213	0.1	174
20250201_0223	0.1	116
20250201_0233	0.1	169
20250201_0243	0.1	126
20250201_0253	0.1	162
20250201_0303	0.1	42
20250201_0313	0.1	127
20250201_0323	0.1	158
20250201_0333	0.1	147
20250201_0343	0.1	0
20250201_0353	0.1	145
20250201_0403	0.1	161
20250201_0413	0.1	113
20250201_0423	0.1	152
20250201_0433	0.1	124
20250201_0443	0.1	288
20250201_0453	0.1	112
20250201_0503	0.1	111
20250201_0513	0.1	260
20250201_0523	0.1	148
20250201_0533	0.1	145
20250201_0543	0.1	200
20250201_0553	0.1	244
20250201_0603	0.1	162
20250201_0613	0.1	122
20250201_0623	0.1	49
20250201_0633	0.1	12
20250201_0643	0.1	316
20250201_0653	0.1	307
20250201_0703	0.1	163
20250201_0713	0.3	109
20250201_0723	0.1	292
20250201_0733	0.1	25
20250201_0743	0.1	352
20250201_0753	2.6	332
20250201_0803	1.4	284
20250201_0813	0.4	319
20250201_0823	0.9	308
20250201_0833	0.1	312
20250201_0843	0.5	31
20250201_0853	0.3	110
20250201_0903	0.1	272
20250201_0913	0.2	52
20250201_0923	1.7	167
20250201_0933	0.4	87
20250201_0943	1.3	121
20250201_0953	0.2	74
20250201_1003	0.2	50
20250201_1013	0.1	54
20250201_1023	0.1	9
20250201_1033	0.1	334
20250201_1043	0.1	24
20250201_1053	0.1	57
20250201_1103	0.1	186
20250201_1113	0.1	12
20250201_1123	0.3	49
20250201_1133	0.1	141
20250201_1143	0.2	177
20250201_1153	0.8	109

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250201_1203	0.1	89
20250201_1213	0.1	129
20250201_1223	0.1	21
20250201_1233	0.1	308
20250201_1243	0.1	74
20250201_1253	0.1	2
20250201_1303	0.1	73
20250201_1313	0.1	79
20250201_1323	1.7	89
20250201_1333	1	127
20250201_1343	0.1	352
20250201_1353	0.1	21
20250201_1403	2.3	99
20250201_1413	0.9	119
20250201_1423	0.1	109
20250201_1433	0.2	187
20250201_1443	0.1	103
20250201_1453	0.6	124
20250201_1503	0.1	214
20250201_1513	0.1	50
20250201_1523	0.1	23
20250201_1533	0.4	113
20250201_1543	0.2	101
20250201_1553	0.1	340
20250201_1603	0.2	158
20250201_1613	0.1	217
20250201_1623	0.6	171
20250201_1633	0.1	317
20250201_1643	0.7	140
20250201_1653	0.8	154
20250201_1703	0.4	91
20250201_1713	0.3	133
20250201_1723	0.1	110
20250201_1733	0.1	93
20250201_1743	0.1	80
20250201_1753	0.1	169
20250201_1803	0.1	157
20250201_1813	0.1	89
20250201_1823	0.1	313
20250201_1833	0.1	155
20250201_1843	0.1	89
20250201_1853	0.1	136
20250201_1903	0.1	136
20250201_1913	0.1	101
20250201_1923	0.1	97
20250201_1933	0.1	70
20250201_1943	0.1	17
20250201_1953	0.1	138
20250201_2003	0.1	25
20250201_2013	0.1	151
20250201_2023	0.1	151
20250201_2033	0.1	151
20250201_2043	0.1	276
20250201_2053	0.1	117
20250201_2103	0.1	157
20250201_2113	0.1	220
20250201_2123	0.1	146
20250201_2133	0.1	112
20250201_2143	0.1	138
20250201_2153	0.1	138
20250201_2203	0.1	132
20250201_2213	0.1	132
20250201_2223	0.1	59
20250201_2233	0.1	59
20250201_2243	0.1	145
20250201_2253	0.1	145
20250201_2303	0.1	195
20250201_2313	0.1	159
20250201_2323	0.1	204
20250201_2333	0.2	158
20250201_2343	0.1	156
20250201_2353	0.1	51

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250202_0003	0.1	82
20250202_0013	0.1	155
20250202_0023	0.2	183
20250202_0033	0.2	141
20250202_0043	0.1	147
20250202_0053	0.1	283
20250202_0103	0.1	84
20250202_0113	0.1	13
20250202_0123	0.2	250
20250202_0133	2.3	342
20250202_0143	1.2	313
20250202_0153	1	107
20250202_0203	0.1	201
20250202_0213	0.1	319
20250202_0223	0.1	13
20250202_0233	0.5	299
20250202_0243	0.3	350
20250202_0253	0.6	39
20250202_0303	2.7	47
20250202_0313	0.4	48
20250202_0323	0.1	45
20250202_0333	0.8	342
20250202_0343	2.2	5
20250202_0353	1	59
20250202_0403	0.2	35
20250202_0413	0.2	348
20250202_0423	1.4	351
20250202_0433	1.5	50
20250202_0443	0.5	121
20250202_0453	2.1	18
20250202_0503	0.1	50
20250202_0513	1.5	28
20250202_0523	0.4	349
20250202_0533	1.9	22
20250202_0543	0.6	310
20250202_0553	0.6	324
20250202_0603	1.3	55
20250202_0613	0.9	30
20250202_0623	0.1	151
20250202_0633	0.1	341
20250202_0643	1	81
20250202_0653	0.9	55
20250202_0703	0.2	18
20250202_0713	2.5	29
20250202_0723	0.2	134
20250202_0733	0.1	58
20250202_0743	0.1	306
20250202_0753	1.5	285
20250202_0803	0.2	45
20250202_0813	1	43
20250202_0823	0.1	36
20250202_0833	0.7	7
20250202_0843	0.1	170
20250202_0853	1.2	47
20250202_0903	0.3	100
20250202_0913	3.5	33
20250202_0923	0.2	1
20250202_0933	0.2	12
20250202_0943	0.3	320
20250202_0953	0.4	320
20250202_1003	0.1	65
20250202_1013	2.8	3
20250202_1023	0.4	10
20250202_1033	0.1	313
20250202_1043	0.1	308
20250202_1053	0.9	330
20250202_1103	1.1	81
20250202_1113	0.1	206
20250202_1123	0.1	68
20250202_1133	0.5	45
20250202_1143	0.2	253
20250202_1153	0.1	233

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250202_1203	0.1	10
20250202_1213	0.1	96
20250202_1223	0.1	51
20250202_1233	0.1	35
20250202_1243	0.1	53
20250202_1253	0.6	12
20250202_1303	0.1	46
20250202_1313	0.1	39
20250202_1323	1	45
20250202_1333	2.1	129
20250202_1343	0.3	3
20250202_1353	0.7	227
20250202_1403	0.7	63
20250202_1413	2.3	45
20250202_1423	0.1	178
20250202_1433	1.9	136
20250202_1443	1.9	171
20250202_1453	0.1	153
20250202_1503	0.4	87
20250202_1513	0.4	155
20250202_1523	0.1	173
20250202_1533	0.1	193
20250202_1543	0.1	189
20250202_1553	0.1	226
20250202_1603	0.1	306
20250202_1613	0.8	58
20250202_1623	0.4	61
20250202_1633	1.1	41
20250202_1643	0.1	40
20250202_1653	0.1	245
20250202_1703	0.1	189
20250202_1713	0.2	324
20250202_1723	0.2	154
20250202_1733	0.1	155
20250202_1743	0.1	51
20250202_1753	0.1	347
20250202_1803	0.1	21
20250202_1813	0.3	66
20250202_1823	0.5	6
20250202_1833	0.4	116
20250202_1843	1.8	151
20250202_1853	1.6	58
20250202_1903	0.8	148
20250202_1913	3.7	110
20250202_1923	0.2	169
20250202_1933	2.5	134
20250202_1943	0.4	72
20250202_1953	0.2	203
20250202_2003	0.5	155
20250202_2013	0.2	327
20250202_2023	0.1	53
20250202_2033	0.8	63
20250202_2043	0.8	322
20250202_2053	0.3	74
20250202_2103	0.1	0
20250202_2113	0.6	33
20250202_2123	5.3	41
20250202_2133	0.1	315
20250202_2143	0.1	131
20250202_2153	0.2	338
20250202_2203	0.5	61
20250202_2213	2.2	30
20250202_2223	0.1	23
20250202_2233	0.2	348
20250202_2243	0.1	8
20250202_2253	0.9	343
20250202_2303	0.1	266
20250202_2313	0.1	32
20250202_2323	0.2	34
20250202_2333	0.1	35
20250202_2343	0.1	176
20250202_2353	0.2	125

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250203_0003	0.1	196
20250203_0013	0.2	74
20250203_0023	0.1	347
20250203_0033	0.1	57
20250203_0043	0.1	101
20250203_0053	0.1	346
20250203_0103	0.1	353
20250203_0113	0.1	39
20250203_0123	0.1	7
20250203_0133	0.1	15
20250203_0143	0.1	268
20250203_0153	0.1	65
20250203_0203	0.1	155
20250203_0213	0.1	52
20250203_0223	0.1	182
20250203_0233	0.1	141
20250203_0243	0.1	287
20250203_0253	0.1	259
20250203_0303	0.1	154
20250203_0313	0.1	153
20250203_0323	0.1	194
20250203_0333	0.1	81
20250203_0343	0.1	41
20250203_0353	0.1	315
20250203_0403	0.1	175
20250203_0413	1.8	286
20250203_0423	0.1	73
20250203_0433	0.1	307
20250203_0443	0.3	339
20250203_0453	0.1	267
20250203_0503	0.1	305
20250203_0513	0.5	317
20250203_0523	0.1	27
20250203_0533	0.1	41
20250203_0543	0.1	149
20250203_0553	0.3	145
20250203_0603	0.1	168
20250203_0613	0.1	156
20250203_0623	0.1	316
20250203_0633	0.1	132
20250203_0643	0.1	251
20250203_0653	0.1	107
20250203_0703	0.1	104
20250203_0713	0.1	291
20250203_0723	0.1	66
20250203_0733	0.5	350
20250203_0743	0.1	6
20250203_0753	1	339
20250203_0803	0.1	41
20250203_0813	0.1	50
20250203_0823	0.1	151
20250203_0833	0.1	51
20250203_0843	0.1	158
20250203_0853	0.1	171
20250203_0903	0.6	150
20250203_0913	0.1	101
20250203_0923	0.2	326
20250203_0933	0.1	14
20250203_0943	0.8	273
20250203_0953	0.4	20
20250203_1003	2.5	332
20250203_1013	0.2	337
20250203_1023	0.4	295
20250203_1033	0.1	300
20250203_1043	0.1	248
20250203_1053	0.1	118
20250203_1103	0.5	296
20250203_1113	0.2	276
20250203_1123	0.2	35
20250203_1133	1	323
20250203_1143	0.4	335
20250203_1153	1.7	60

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250203_1203	0.1	317
20250203_1213	0.3	345
20250203_1223	0.2	327
20250203_1233	0.1	98
20250203_1243	1	124
20250203_1253	0.2	253
20250203_1303	0.1	30
20250203_1313	2	36
20250203_1323	1.7	36
20250203_1333	0.8	46
20250203_1343	0.2	27
20250203_1353	1.3	85
20250203_1403	0.3	89
20250203_1413	0.2	144
20250203_1423	1.2	155
20250203_1433	0.2	154
20250203_1443	2.4	77
20250203_1453	1.4	75
20250203_1503	1.7	141
20250203_1513	0.6	111
20250203_1523	0.3	72
20250203_1533	0.1	113
20250203_1543	2.9	57
20250203_1553	0.8	27
20250203_1603	0.6	5
20250203_1613	0.3	54
20250203_1623	0.1	45
20250203_1633	0.1	62
20250203_1643	0.8	54
20250203_1653	0.1	182
20250203_1703	1.3	126
20250203_1713	0.1	81
20250203_1723	0.1	65
20250203_1733	1.5	35
20250203_1743	0.1	5
20250203_1753	0.2	114
20250203_1803	0.1	72
20250203_1813	1.3	335
20250203_1823	0.1	22
20250203_1833	0.1	121
20250203_1843	0.6	320
20250203_1853	0.1	62
20250203_1903	0.2	12
20250203_1913	0.1	47
20250203_1923	0.1	303
20250203_1933	0.1	59
20250203_1943	0.3	343
20250203_1953	0.3	327
20250203_2003	1	148
20250203_2013	0.1	126
20250203_2023	0.2	156
20250203_2033	0.1	73
20250203_2043	0.1	135
20250203_2053	0.1	270
20250203_2103	0.1	241
20250203_2113	0.1	278
20250203_2123	0.1	56
20250203_2133	0.1	70
20250203_2143	0.2	290
20250203_2153	0.1	49
20250203_2203	1.4	290
20250203_2213	0.2	60
20250203_2223	0.5	291
20250203_2233	0.1	9
20250203_2243	0.1	336
20250203_2253	3.7	18
20250203_2303	0.7	321
20250203_2313	0.1	182
20250203_2323	0.5	271
20250203_2333	1.7	306
20250203_2343	0.1	198
20250203_2353	7.8	264

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250204_0003	0.1	328
20250204_0013	0.1	178
20250204_0023	0.2	52
20250204_0033	0.5	50
20250204_0043	1.4	82
20250204_0053	0.1	238
20250204_0103	0.8	145
20250204_0113	0.1	70
20250204_0123	0.1	269
20250204_0133	0.1	317
20250204_0143	4.1	26
20250204_0153	0.2	251
20250204_0203	0.5	314
20250204_0213	0.6	113
20250204_0223	2.2	267
20250204_0233	1.4	349
20250204_0243	0.3	106
20250204_0253	0.3	149
20250204_0303	0.1	59
20250204_0313	0.2	37
20250204_0323	0.2	265
20250204_0333	0.4	47
20250204_0343	0.1	287
20250204_0353	1.2	301
20250204_0403	0.6	325
20250204_0413	0.3	353
20250204_0423	0.1	349
20250204_0433	0.2	328
20250204_0443	0.5	310
20250204_0453	0.2	261
20250204_0503	0.9	269
20250204_0513	0.1	350
20250204_0523	0.1	298
20250204_0533	0.1	59
20250204_0543	0.3	44
20250204_0553	0.1	344
20250204_0603	0.1	300
20250204_0613	0.2	320
20250204_0623	0.3	57
20250204_0633	0.7	290
20250204_0643	0.7	65
20250204_0653	0.1	301
20250204_0703	0.1	251
20250204_0713	0.2	285
20250204_0723	0.1	55
20250204_0733	0.1	23
20250204_0743	0.1	40
20250204_0753	0.2	44
20250204_0803	0.1	279
20250204_0813	0.1	281
20250204_0823	0.1	43
20250204_0833	0.1	307
20250204_0843	0.1	314
20250204_0853	0.2	131
20250204_0903	0.2	17
20250204_0913	0.1	65
20250204_0923	0.1	45
20250204_0933	1.6	52
20250204_0943	0.9	321
20250204_0953	1.1	324
20250204_1003	2.3	76
20250204_1013	0.5	51
20250204_1023	0.2	344
20250204_1033	0.1	340
20250204_1043	0.4	188
20250204_1053	0.1	350
20250204_1103	0.5	50
20250204_1113	0.4	342
20250204_1123	0.1	192
20250204_1133	1.8	53
20250204_1143	2.7	19
20250204_1153	0.8	155

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250204_1203	0.2	350
20250204_1213	0.5	300
20250204_1223	0.2	76
20250204_1233	0.3	301
20250204_1243	3	296
20250204_1253	1.6	297
20250204_1303	1.3	47
20250204_1313	0.9	38
20250204_1323	0.1	113
20250204_1333	2	91
20250204_1343	0.4	333
20250204_1353	0.7	283
20250204_1403	0.8	148
20250204_1413	0.6	35
20250204_1423	0.2	351
20250204_1433	0.1	325
20250204_1443	3.1	98
20250204_1453	1.7	26
20250204_1503	0.1	316
20250204_1513	0.1	138
20250204_1523	0.2	154
20250204_1533	0.1	158
20250204_1543	0.1	291
20250204_1553	0.4	122
20250204_1603	0.4	183
20250204_1613	0.1	181
20250204_1623	0.1	28
20250204_1633	0.1	292
20250204_1643	0.1	49
20250204_1653	0.1	162
20250204_1703	0.3	308
20250204_1713	0.3	173
20250204_1723	0.2	123
20250204_1733	0.1	76
20250204_1743	0.1	96
20250204_1753	0.1	343
20250204_1803	0.1	32
20250204_1813	0.1	39
20250204_1823	0.1	80
20250204_1833	0.1	79
20250204_1843	0.1	111
20250204_1853	0.1	201
20250204_1903	0.1	163
20250204_1913	0.1	125
20250204_1923	0.1	129
20250204_1933	0.1	117
20250204_1943	0.1	116
20250204_1953	0.1	155
20250204_2003	0.1	154
20250204_2013	0.1	119
20250204_2023	0.1	141
20250204_2033	0.1	110
20250204_2043	0.1	93
20250204_2053	0.1	151
20250204_2103	0.1	70
20250204_2113	0.1	136
20250204_2123	0.1	140
20250204_2133	0.1	60
20250204_2143	0.1	88
20250204_2153	0.1	12
20250204_2203	0.1	308
20250204_2213	0.1	101
20250204_2223	0.1	117
20250204_2233	0.1	99
20250204_2243	0.1	58
20250204_2253	0.1	289
20250204_2303	0.1	290
20250204_2313	0.1	84
20250204_2323	0.1	62
20250204_2333	0.1	145
20250204_2343	0.1	124
20250204_2353	0.2	165

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250205_0003	0.1	129
20250205_0013	0.1	123
20250205_0023	0.1	137
20250205_0033	0.1	126
20250205_0043	0.1	169
20250205_0053	0.1	131
20250205_0103	0.1	246
20250205_0113	0.1	153
20250205_0123	0.1	301
20250205_0133	0.1	313
20250205_0143	0.1	131
20250205_0153	0.1	123
20250205_0203	0.1	103
20250205_0213	0.1	25
20250205_0223	0.1	144
20250205_0233	0.1	284
20250205_0243	0.1	191
20250205_0253	0.1	253
20250205_0303	0.1	119
20250205_0313	0.1	184
20250205_0323	0.1	298
20250205_0333	0.1	88
20250205_0343	0.1	218
20250205_0353	0.1	154
20250205_0403	0.1	74
20250205_0413	0.1	251
20250205_0423	0.1	14
20250205_0433	0.1	85
20250205_0443	0.1	47
20250205_0453	0.1	123
20250205_0503	0.1	144
20250205_0513	0.1	348
20250205_0523	0.1	165
20250205_0533	0.1	134
20250205_0543	0.1	81
20250205_0553	0.1	132
20250205_0603	0.1	159
20250205_0613	0.1	340
20250205_0623	0.1	244
20250205_0633	0.1	111
20250205_0643	0.1	122
20250205_0653	0.1	345
20250205_0703	0.1	345
20250205_0713	0.1	348
20250205_0723	0.1	316
20250205_0733	0.1	145
20250205_0743	0.1	155
20250205_0753	0.1	159
20250205_0803	0.2	145
20250205_0813	0.1	116
20250205_0823	0.1	122
20250205_0833	0.1	151
20250205_0843	0.1	317
20250205_0853	0.1	130
20250205_0903	0.1	96
20250205_0913	0.3	288
20250205_0923	0.1	54
20250205_0933	0.5	128
20250205_0943	0.1	42
20250205_0953	0.2	280
20250205_1003	0.7	153
20250205_1013	0.1	151
20250205_1023	0.1	205
20250205_1033	0.2	131
20250205_1043	0.1	332
20250205_1053	0.1	256
20250205_1103	0.2	334
20250205_1113	1.1	342
20250205_1123	0.4	44
20250205_1133	0.5	69
20250205_1143	0.4	77
20250205_1153	0.6	2

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250205_1203	1.8	312
20250205_1213	1.8	36
20250205_1223	0.1	268
20250205_1233	1.8	26
20250205_1243	0.1	260
20250205_1253	0.9	57
20250205_1303	0.6	53
20250205_1313	0.2	28
20250205_1323	0.1	23
20250205_1333	0.4	342
20250205_1343	0.2	58
20250205_1353	0.3	322
20250205_1403	0.1	332
20250205_1413	0.1	69
20250205_1423	1.1	45
20250205_1433	0.1	345
20250205_1443	0.7	46
20250205_1453	0.2	4
20250205_1503	0.1	86
20250205_1513	0.3	319
20250205_1523	0.8	14
20250205_1533	0.4	350
20250205_1543	0.1	134
20250205_1553	0.5	9
20250205_1603	0.2	354
20250205_1613	0.1	23
20250205_1623	0.2	346
20250205_1633	0.1	153
20250205_1643	0.6	61
20250205_1653	1.5	64
20250205_1703	0.2	2
20250205_1713	0.1	33
20250205_1723	0.2	23
20250205_1733	0.1	334
20250205_1743	0.1	332
20250205_1753	0.1	91
20250205_1803	0.1	190
20250205_1813	0.1	81
20250205_1823	0.1	63
20250205_1833	0.1	95
20250205_1843	0.1	117
20250205_1853	0.1	172
20250205_1903	0.1	95
20250205_1913	0.1	98
20250205_1923	0.2	143
20250205_1933	0.1	85
20250205_1943	0.4	65
20250205_1953	0.1	51
20250205_2003	0.1	127
20250205_2013	0.1	42
20250205_2023	0.1	292
20250205_2033	0.1	84
20250205_2043	0.1	186
20250205_2053	0.1	93
20250205_2103	0.1	92
20250205_2113	0.1	131
20250205_2123	0.1	33
20250205_2133	0.1	136
20250205_2143	0.1	69
20250205_2153	0.1	157
20250205_2203	0.1	100
20250205_2213	0.1	4
20250205_2223	0.1	303
20250205_2233	0.1	294
20250205_2243	0.1	135
20250205_2253	0.1	86
20250205_2303	0.1	134
20250205_2313	0.1	94
20250205_2323	0.1	171
20250205_2333	0.1	116
20250205_2343	0.1	131
20250205_2353	0.1	144

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250206_0003	0.1	141
20250206_0013	0.1	152
20250206_0023	0.1	127
20250206_0033	0.1	147
20250206_0043	0.1	30
20250206_0053	0.1	132
20250206_0103	0.1	277
20250206_0113	0.1	110
20250206_0123	0.1	43
20250206_0133	0.1	116
20250206_0143	0.1	212
20250206_0153	0.1	101
20250206_0203	0.1	136
20250206_0213	0.1	147
20250206_0223	0.1	158
20250206_0233	0.1	157
20250206_0243	0.1	127
20250206_0253	0.1	126
20250206_0303	0.1	140
20250206_0313	0.1	124
20250206_0323	0.1	169
20250206_0333	0.1	117
20250206_0343	0.1	117
20250206_0353	0.1	96
20250206_0403	0.1	142
20250206_0413	0.1	116
20250206_0423	0.1	119
20250206_0433	0.1	113
20250206_0443	0.1	123
20250206_0453	0.1	151
20250206_0503	0.1	181
20250206_0513	0.1	157
20250206_0523	0.1	109
20250206_0533	0.1	177
20250206_0543	0.1	103
20250206_0553	0.1	121
20250206_0603	0.1	110
20250206_0613	0.1	283
20250206_0623	0.1	87
20250206_0633	0.1	142
20250206_0643	0.1	149
20250206_0653	0.1	91
20250206_0703	0.1	219
20250206_0713	0.1	153
20250206_0723	0.1	164
20250206_0733	0.1	164
20250206_0743	0.2	328
20250206_0753	0.1	303
20250206_0803	0.1	199
20250206_0813	0.1	50
20250206_0823	0.1	267
20250206_0833	0.1	157
20250206_0843	0.1	118
20250206_0853	0.1	302
20250206_0903	0.1	87
20250206_0913	0.3	61
20250206_0923	1.4	25
20250206_0933	0.1	10
20250206_0943	0.9	335
20250206_0953	0.1	314
20250206_1003	0.5	345
20250206_1013	0.1	283
20250206_1023	0.3	209
20250206_1033	0.1	239
20250206_1043	0.1	21
20250206_1053	0.1	91
20250206_1103	1	293
20250206_1113	0.1	326
20250206_1123	0.1	347
20250206_1133	0.1	233
20250206_1143	0.2	336
20250206_1153	0.3	49

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250206_1203	1.4	57
20250206_1213	1.5	51
20250206_1223	0.5	2
20250206_1233	0.6	84
20250206_1243	0.6	49
20250206_1253	0.7	33
20250206_1303	0.6	16
20250206_1313	0.1	91
20250206_1323	0.1	138
20250206_1333	0.1	30
20250206_1343	0.3	117
20250206_1353	0.2	306
20250206_1403	0.1	352
20250206_1413	0.1	267
20250206_1423	0.1	99
20250206_1433	0.1	16
20250206_1443	0.1	346
20250206_1453	0.8	121
20250206_1503	0.3	84
20250206_1513	0.8	85
20250206_1523	0.1	148
20250206_1533	0.1	23
20250206_1543	0.1	84
20250206_1553	0.2	99
20250206_1603	0.1	124
20250206_1613	0.1	87
20250206_1623	0.2	127
20250206_1633	0.2	125
20250206_1643	0.1	148
20250206_1653	0.1	125
20250206_1703	0.1	51
20250206_1713	0.1	138
20250206_1723	0.1	116
20250206_1733	0.1	112
20250206_1743	0.1	98
20250206_1753	0.1	290
20250206_1803	0.1	140
20250206_1813	0.1	123
20250206_1823	0.1	131
20250206_1833	0.1	128
20250206_1843	0.1	107
20250206_1853	0.1	109
20250206_1903	0.1	117
20250206_1913	0.1	314
20250206_1923	0.1	299
20250206_1933	0.1	93
20250206_1943	0.1	13
20250206_1953	0.1	69
20250206_2003	0.1	123
20250206_2013	0.1	146
20250206_2023	0.1	141
20250206_2033	0.1	137
20250206_2043	0.1	152
20250206_2053	0.1	116
20250206_2103	0.1	131
20250206_2113	0.1	161
20250206_2123	0.1	149
20250206_2133	0.1	154
20250206_2143	0.1	154
20250206_2153	0.1	139
20250206_2203	0.1	139
20250206_2213	0.1	132
20250206_2223	0.1	162
20250206_2233	0.1	137
20250206_2243	0.1	259
20250206_2253	0.1	69
20250206_2303	0.1	73
20250206_2313	0.1	70
20250206_2323	0.2	31
20250206_2333	0.1	153
20250206_2343	0.1	51
20250206_2353	0.1	40

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250207_0003	0.1	36
20250207_0013	0.1	159
20250207_0023	0.1	149
20250207_0033	0.1	167
20250207_0043	0.1	105
20250207_0053	0.1	289
20250207_0103	0.1	200
20250207_0113	0.3	307
20250207_0123	0.1	341
20250207_0133	0.1	248
20250207_0143	0.1	344
20250207_0153	0.1	213
20250207_0203	0.1	322
20250207_0213	0.1	318
20250207_0223	0.2	310
20250207_0233	0.1	182
20250207_0243	0.1	83
20250207_0253	0.1	301
20250207_0303	0.2	297
20250207_0313	0.2	33
20250207_0323	0.1	60
20250207_0333	0.2	333
20250207_0343	0.1	294
20250207_0353	0.6	276
20250207_0403	0.2	325
20250207_0413	0.1	272
20250207_0423	0.9	287
20250207_0433	0.3	220
20250207_0443	0.2	35
20250207_0453	0.1	353
20250207_0503	0.1	309
20250207_0513	0.1	245
20250207_0523	0.7	271
20250207_0533	0.1	305
20250207_0543	0.1	202
20250207_0553	0.1	31
20250207_0603	0.2	274
20250207_0613	0.1	0
20250207_0623	0.1	301
20250207_0633	1.9	348
20250207_0643	0.4	349
20250207_0653	0.6	296
20250207_0703	0.2	322
20250207_0713	0.1	27
20250207_0723	0.2	19
20250207_0733	0.1	299
20250207_0743	0.1	98
20250207_0753	0.1	155
20250207_0803	0.1	263
20250207_0813	0.7	296
20250207_0823	0.2	1
20250207_0833	0.2	35
20250207_0843	0.7	307
20250207_0853	0.2	310
20250207_0903	0.1	7
20250207_0913	0.2	26
20250207_0923	0.1	303
20250207_0933	0.5	291
20250207_0943	2.3	306
20250207_0953	2.9	300
20250207_1003	2.9	294
20250207_1013	0.4	331
20250207_1023	0.1	168
20250207_1033	0.2	1
20250207_1043	0.4	11
20250207_1053	4.4	313
20250207_1103	0.9	49
20250207_1113	0.2	315
20250207_1123	0.4	317
20250207_1133	1	6
20250207_1143	0.2	311
20250207_1153	0.3	76

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250207_1203	0.2	340
20250207_1213	0.1	258
20250207_1223	0.1	215
20250207_1233	0.1	326
20250207_1243	0.4	319
20250207_1253	0.5	309
20250207_1303	0.1	113
20250207_1313	1.5	49
20250207_1323	1.8	294
20250207_1333	0.1	296
20250207_1343	1	333.4
20250207_1353	0.9	298.7
20250207_1403	0.1	194.4
20250207_1413	0.1	83.2
20250207_1423	0.1	3.9
20250207_1433	0.6	19
20250207_1443	0.2	312
20250207_1453	0.3	270
20250207_1503	8.4	262
20250207_1513	3.5	334
20250207_1523	2.9	49
20250207_1533	0.1	167
20250207_1543	2.7	346
20250207_1553	0.9	50
20250207_1603	0.4	288
20250207_1613	0.3	313
20250207_1623	0.1	54
20250207_1633	0.3	126
20250207_1643	0.2	328
20250207_1653	2.4	148
20250207_1703	0.8	128
20250207_1713	0.2	141
20250207_1723	5.1	133
20250207_1733	0.4	46
20250207_1743	0.1	174
20250207_1753	0.1	199
20250207_1803	0.1	349
20250207_1813	0.1	241
20250207_1823	0.1	331
20250207_1833	0.2	349
20250207_1843	1.1	312
20250207_1853	0.1	291
20250207_1903	0.6	8
20250207_1913	0.1	11
20250207_1923	0.1	98
20250207_1933	0.1	178
20250207_1943	0.3	104
20250207_1953	1.1	352
20250207_2003	0.4	8
20250207_2013	0.1	194
20250207_2023	0.1	92
20250207_2033	0.1	211
20250207_2043	0.2	58
20250207_2053	3	253
20250207_2103	0.2	157
20250207_2113	0.1	336
20250207_2123	0.1	253
20250207_2133	0.1	285
20250207_2143	0.1	34
20250207_2153	0.1	21
20250207_2203	0.1	20
20250207_2213	0.1	342
20250207_2223	0.1	318
20250207_2233	0.1	51
20250207_2243	0.2	28
20250207_2253	1.6	351
20250207_2303	0.2	3
20250207_2313	0.1	42
20250207_2323	0.2	267
20250207_2333	0.1	22
20250207_2343	0.1	54
20250207_2353	0.4	279

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250208_0003	0.1	302
20250208_0013	0.2	337
20250208_0023	0.3	247
20250208_0033	0.4	328
20250208_0043	0.1	15
20250208_0053	0.6	316
20250208_0103	1.1	323
20250208_0113	0.8	32
20250208_0123	0.1	319
20250208_0133	0.2	310
20250208_0143	0.1	132
20250208_0153	1.2	285
20250208_0203	0.5	304
20250208_0213	0.6	288
20250208_0223	3.8	320
20250208_0233	0.2	16
20250208_0243	0.4	18
20250208_0253	1.1	66
20250208_0303	0.4	309
20250208_0313	1.7	297
20250208_0323	1.2	292
20250208_0333	0.1	294
20250208_0343	0.1	64
20250208_0353	0.1	297
20250208_0403	0.1	106
20250208_0413	0.5	312
20250208_0423	0.1	323
20250208_0433	0.1	124
20250208_0443	0.2	319
20250208_0453	0.1	261
20250208_0503	0.1	143
20250208_0513	0.1	32
20250208_0523	1.1	330
20250208_0533	0.2	353
20250208_0543	0.2	316
20250208_0553	1.7	328
20250208_0603	0.3	345
20250208_0613	0.1	199
20250208_0623	0.8	284
20250208_0633	0.1	341
20250208_0643	0.8	312
20250208_0653	0.6	328
20250208_0703	0.1	0
20250208_0713	0.5	264
20250208_0723	0.2	338
20250208_0733	0.1	17
20250208_0743	0.1	145
20250208_0753	0.3	336
20250208_0803	0.1	36
20250208_0813	0.9	336
20250208_0823	0.2	336
20250208_0833	0.1	65
20250208_0843	0.2	340
20250208_0853	2.2	249
20250208_0903	0.1	328
20250208_0913	1.4	338
20250208_0923	0.5	299
20250208_0933	0.2	70
20250208_0943	1.2	334
20250208_0953	3	309
20250208_1003	1.3	91
20250208_1013	0.3	323
20250208_1023	0.4	12
20250208_1033	1.9	310
20250208_1043	2.4	64
20250208_1053	0.3	136
20250208_1103	0.4	322
20250208_1113	2	284
20250208_1123	0.2	20
20250208_1133	1.8	10
20250208_1143	1.5	12
20250208_1153	0.4	299

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250208_1203	2.7	106
20250208_1213	0.3	344
20250208_1223	0.6	73
20250208_1233	1.5	74
20250208_1243	0.1	322
20250208_1253	0.6	75
20250208_1303	1.6	152
20250208_1313	0.3	205
20250208_1323	0.4	106
20250208_1333	1.6	136
20250208_1343	0.3	83
20250208_1353	0.6	50
20250208_1403	0.2	64
20250208_1413	0.1	124
20250208_1423	2.7	325
20250208_1433	0.8	44
20250208_1443	0.2	18
20250208_1453	0.4	305
20250208_1503	1.8	32
20250208_1513	0.1	34
20250208_1523	0.1	349
20250208_1533	0.1	43
20250208_1543	0.1	38
20250208_1553	0.1	65
20250208_1603	0.3	322
20250208_1613	0.1	109
20250208_1623	0.4	42
20250208_1633	0.2	78
20250208_1643	1.9	303
20250208_1653	0.9	309
20250208_1703	0.5	290
20250208_1713	0.1	267
20250208_1723	0.3	277
20250208_1733	0.1	94
20250208_1743	0.1	17
20250208_1753	0.2	54
20250208_1803	0.1	177
20250208_1813	0.1	75
20250208_1823	0.1	326
20250208_1833	0.1	32
20250208_1843	0.1	245
20250208_1853	0.3	296
20250208_1903	3.8	322
20250208_1913	0.3	124
20250208_1923	1.1	101
20250208_1933	0.1	55
20250208_1943	0.1	276
20250208_1953	0.1	140
20250208_2003	0.1	97
20250208_2013	0.1	77
20250208_2023	0.1	310
20250208_2033	0.1	221
20250208_2043	0.1	325
20250208_2053	0.1	183
20250208_2103	0.1	88
20250208_2113	0.1	127
20250208_2123	0.1	52
20250208_2133	0.1	192
20250208_2143	0.1	3
20250208_2153	0.1	155
20250208_2203	0.1	86
20250208_2213	0.1	124
20250208_2223	0.1	139
20250208_2233	0.1	140
20250208_2243	0.1	142
20250208_2253	0.1	51
20250208_2303	0.1	2
20250208_2313	0.1	82
20250208_2323	0.3	285
20250208_2333	0.1	59
20250208_2343	0.1	115
20250208_2353	0.3	257

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250209_0003	0.1	52
20250209_0013	0.1	46
20250209_0023	0.1	69
20250209_0033	0.1	159
20250209_0043	0.1	303
20250209_0053	0.1	329
20250209_0103	0.1	312
20250209_0113	0.1	285
20250209_0123	0.1	136
20250209_0133	0.1	340
20250209_0143	0.1	148
20250209_0153	0.1	126
20250209_0203	0.1	148
20250209_0213	0.1	146
20250209_0223	0.1	98
20250209_0233	0.1	69
20250209_0243	0.2	311
20250209_0253	0.1	306
20250209_0303	0.1	150
20250209_0313	0.4	289
20250209_0323	0.1	297
20250209_0333	0.1	328
20250209_0343	0.1	264
20250209_0353	0.1	288
20250209_0403	0.2	314
20250209_0413	0.1	311
20250209_0423	0.1	145
20250209_0433	0.1	9
20250209_0443	0.1	99
20250209_0453	0.1	46
20250209_0503	0.1	131
20250209_0513	0.1	118
20250209_0523	0.1	104
20250209_0533	0.1	74
20250209_0543	0.1	105
20250209_0553	0.1	124
20250209_0603	0.1	95
20250209_0613	0.1	155
20250209_0623	0.1	119
20250209_0633	0.1	165
20250209_0643	0.1	123
20250209_0653	0.1	122
20250209_0703	0.1	132
20250209_0713	0.1	117
20250209_0723	0.1	41
20250209_0733	0.1	129
20250209_0743	0.1	135
20250209_0753	0.1	130
20250209_0803	0.1	140
20250209_0813	0.1	120
20250209_0823	0.1	122
20250209_0833	0.1	134
20250209_0843	0.1	79
20250209_0853	0.1	304
20250209_0903	0.3	31
20250209_0913	0.4	7
20250209_0923	0.3	135
20250209_0933	0.1	25
20250209_0943	0.1	137
20250209_0953	0.1	170
20250209_1003	0.1	131
20250209_1013	1.5	144
20250209_1023	0.1	76
20250209_1033	0.1	61
20250209_1043	0.2	29
20250209_1053	0.2	163
20250209_1103	0.2	213
20250209_1113	0.2	92
20250209_1123	0.6	312
20250209_1133	0.1	280
20250209_1143	1.1	15
20250209_1153	0.2	50

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250209_1203	0.9	134
20250209_1213	0.4	26
20250209_1223	0.2	293
20250209_1233	0.1	4
20250209_1243	0.1	126
20250209_1253	0.1	223
20250209_1303	0.2	53
20250209_1313	0.1	201
20250209_1323	0.1	17
20250209_1333	0.1	194
20250209_1343	0.3	66
20250209_1353	0.1	337
20250209_1403	0.1	75
20250209_1413	1.5	277
20250209_1423	1.2	270
20250209_1433	0.1	24
20250209_1443	1.4	145
20250209_1453	0.1	337
20250209_1503	0.1	313
20250209_1513	0.1	88
20250209_1523	0.1	4
20250209_1533	0.1	118
20250209_1543	1.1	110
20250209_1553	0.5	53
20250209_1603	0.1	330
20250209_1613	0.2	345
20250209_1623	0.3	97
20250209_1633	0.1	317
20250209_1643	0.1	346
20250209_1653	0.4	252
20250209_1703	0.1	175
20250209_1713	0.1	130
20250209_1723	0.3	86
20250209_1733	0.3	82
20250209_1743	1.3	118
20250209_1753	0.2	84
20250209_1803	0.2	169
20250209_1813	0.2	124
20250209_1823	0.1	130
20250209_1833	0.2	120
20250209_1843	0.1	139
20250209_1853	0.1	15
20250209_1903	0.1	151
20250209_1913	0.1	218
20250209_1923	0.1	78
20250209_1933	0.1	177
20250209_1943	0.1	314
20250209_1953	1	45
20250209_2003	0.2	118
20250209_2013	0.4	159
20250209_2023	0.2	100
20250209_2033	0.2	112
20250209_2043	0.1	163
20250209_2053	0.1	274
20250209_2103	5.5	12
20250209_2113	0.5	60
20250209_2123	0.4	89
20250209_2133	0.1	52
20250209_2143	0.2	92
20250209_2153	0.1	248
20250209_2203	0.5	2
20250209_2213	0.1	249
20250209_2223	0.1	120
20250209_2233	0.1	176
20250209_2243	0.2	135
20250209_2253	0.1	116
20250209_2303	0.1	101
20250209_2313	0.1	94
20250209_2323	0.3	121
20250209_2333	0.1	136
20250209_2343	0.2	127
20250209_2353	0.1	103

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250210_0003	0.3	146
20250210_0013	0.2	311
20250210_0023	0.1	168
20250210_0033	0.1	297
20250210_0043	0.2	53
20250210_0053	0.1	57
20250210_0103	0.6	55
20250210_0113	0.3	160
20250210_0123	0.1	127
20250210_0133	0.1	83
20250210_0143	0.6	27
20250210_0153	0.4	3
20250210_0203	0.3	345
20250210_0213	0.1	1
20250210_0223	0.3	161
20250210_0233	3.5	351
20250210_0243	0.2	124
20250210_0253	0.5	65
20250210_0303	0.3	153
20250210_0313	0.8	147
20250210_0323	0.2	120
20250210_0333	0.2	143
20250210_0343	0.1	118
20250210_0353	0.1	136
20250210_0403	0.1	131
20250210_0413	0.1	123
20250210_0423	0.1	34
20250210_0433	0.2	143
20250210_0443	0.1	146
20250210_0453	0.1	290
20250210_0503	0.1	143
20250210_0513	0.1	125
20250210_0523	0.1	59
20250210_0533	0.1	148
20250210_0543	0.1	145
20250210_0553	0.1	108
20250210_0603	0.1	74
20250210_0613	0.1	350
20250210_0623	0.1	92
20250210_0633	0.1	127
20250210_0643	0.1	125
20250210_0653	0.1	187
20250210_0703	0.1	110
20250210_0713	0.1	124
20250210_0723	0.1	112
20250210_0733	0.1	124
20250210_0743	0.1	109
20250210_0753	0.1	148
20250210_0803	0.1	153
20250210_0813	0.1	138
20250210_0823	0.1	118
20250210_0833	0.1	90
20250210_0843	0.1	134
20250210_0853	0.1	48
20250210_0903	0.3	145
20250210_0913	0.1	264
20250210_0923	0.1	308
20250210_0933	0.1	96
20250210_0943	0.1	242
20250210_0953	0.1	133
20250210_1003	0.1	110
20250210_1013	0.2	330
20250210_1023	0.1	300
20250210_1033	0.3	117
20250210_1043	0.3	46
20250210_1053	0.9	51
20250210_1103	2	114
20250210_1113	0.1	52
20250210_1123	0.1	190
20250210_1133	2	65
20250210_1143	0.2	157
20250210_1153	1.1	57

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250210_1203	0.1	318
20250210_1213	0.9	87
20250210_1223	0.2	82
20250210_1233	0.1	135
20250210_1243	0.1	338
20250210_1253	0.1	305
20250210_1303	0.1	260
20250210_1313	0.6	159
20250210_1323	0.1	116
20250210_1333	0.1	17
20250210_1343	1.1	164
20250210_1353	0.3	52
20250210_1403	0.2	347
20250210_1413	0.1	219
20250210_1423	0.1	41
20250210_1433	7.1	118
20250210_1443	0.5	147
20250210_1453	0.1	131
20250210_1503	1.7	147
20250210_1513	1.3	110
20250210_1523	3.8	152
20250210_1533	7	108
20250210_1543	2.9	122
20250210_1553	0.2	102
20250210_1603	0.5	161
20250210_1613	0.4	97
20250210_1623	1.7	163
20250210_1633	0.6	112
20250210_1643	0.1	150
20250210_1653	0.3	77
20250210_1703	0.3	98
20250210_1713	1.1	131
20250210_1723	0.1	267
20250210_1733	0.1	133
20250210_1743	0.1	157
20250210_1753	0.1	146
20250210_1803	0.1	152
20250210_1813	0.2	36
20250210_1823	0.8	166
20250210_1833	0.1	196
20250210_1843	0.1	17
20250210_1853	0.1	241
20250210_1903	0.1	181
20250210_1913	0.3	105
20250210_1923	2.3	141
20250210_1933	0.1	99
20250210_1943	0.4	170
20250210_1953	0.2	114
20250210_2003	0.1	111
20250210_2013	0.1	24
20250210_2023	0.1	274
20250210_2033	0.2	126
20250210_2043	0.2	340
20250210_2053	0.6	339
20250210_2103	0.5	67
20250210_2113	0.1	37
20250210_2123	0.1	97
20250210_2133	0.3	177
20250210_2143	0.8	110
20250210_2153	0.1	159
20250210_2203	0.3	136
20250210_2213	0.2	174
20250210_2223	0.1	253
20250210_2233	0.8	41
20250210_2243	0.4	52
20250210_2253	0.4	337
20250210_2303	0.5	108
20250210_2313	0.8	305
20250210_2323	0.6	10
20250210_2333	0.5	339
20250210_2343	0.3	37
20250210_2353	0.6	0

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250211_0003	1.1	29
20250211_0013	0.1	349
20250211_0023	0.1	328
20250211_0033	0.1	148
20250211_0043	0.1	45
20250211_0053	0.3	38
20250211_0103	0.2	125
20250211_0113	0.1	268
20250211_0123	0.1	172
20250211_0133	0.1	31
20250211_0143	0.1	159
20250211_0153	0.1	179
20250211_0203	0.1	145
20250211_0213	0.1	183
20250211_0223	0.1	43
20250211_0233	0.1	71
20250211_0243	0.1	46
20250211_0253	0.1	238
20250211_0303	0.3	341
20250211_0313	0.4	119
20250211_0323	1	12
20250211_0333	1	17
20250211_0343	0.2	116
20250211_0353	0.2	84
20250211_0403	0.1	64
20250211_0413	0.5	99
20250211_0423	0.1	334
20250211_0433	0.4	56
20250211_0443	1	65
20250211_0453	0.2	40
20250211_0503	0.1	22
20250211_0513	0.4	57
20250211_0523	0.1	24
20250211_0533	0.1	91
20250211_0543	0.1	246
20250211_0553	0.1	263
20250211_0603	0.1	287
20250211_0613	0.1	290
20250211_0623	0.4	110
20250211_0633	0.1	175
20250211_0643	0.1	131
20250211_0653	0.1	346
20250211_0703	0.3	326
20250211_0713	0.1	292
20250211_0723	0.1	351
20250211_0733	0.1	315
20250211_0743	0.1	76
20250211_0753	0.1	138
20250211_0803	0.1	289
20250211_0813	0.4	22
20250211_0823	0.3	322
20250211_0833	0.1	49
20250211_0843	0.1	139
20250211_0853	0.2	129
20250211_0903	0.2	103
20250211_0913	0.1	291
20250211_0923	0.7	187
20250211_0933	0.1	37
20250211_0943	0.1	219
20250211_0953	1.6	117
20250211_1003	0.1	60
20250211_1013	0.2	36
20250211_1023	0.1	119
20250211_1033	0.1	156
20250211_1043	0.1	7
20250211_1053	1.4	154
20250211_1103	1.3	85
20250211_1113	0.2	307
20250211_1123	1.3	173
20250211_1133	0.2	329
20250211_1143	4.4	163
20250211_1153	1.6	146

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250211_1203	0.8	333
20250211_1213	0.2	93
20250211_1223	0.3	344
20250211_1233	0.1	129
20250211_1243	0.1	115
20250211_1253	0.3	11
20250211_1303	0.3	348
20250211_1313	2.4	145
20250211_1323	0.1	3
20250211_1333	0.2	77
20250211_1343	0.1	133
20250211_1353	0.5	94
20250211_1403	0.1	351
20250211_1413	1.8	141
20250211_1423	0.1	124
20250211_1433	2.9	139
20250211_1443	0.4	67
20250211_1453	0.3	157
20250211_1503	0.1	136
20250211_1513	0.3	205
20250211_1523	0.1	115
20250211_1533	0.2	120
20250211_1543	0.1	99
20250211_1553	0.1	37
20250211_1603	0.6	121
20250211_1613	0.1	286
20250211_1623	0.5	99
20250211_1633	0.1	292
20250211_1643	0.1	134
20250211_1653	0.2	44
20250211_1703	0.1	328
20250211_1713	0.3	42
20250211_1723	0.3	351
20250211_1733	0.2	173
20250211_1743	0.1	59
20250211_1753	0.2	354
20250211_1803	0.1	185
20250211_1813	0.3	76
20250211_1823	0.1	59
20250211_1833	0.1	122
20250211_1843	0.2	117
20250211_1853	0.1	115
20250211_1903	0.1	98
20250211_1913	0.1	114
20250211_1923	0.3	145
20250211_1933	1.2	143
20250211_1943	0.6	82
20250211_1953	0.4	108
20250211_2003	0.5	293
20250211_2013	0.5	166
20250211_2023	0.1	305
20250211_2033	0.1	6
20250211_2043	0.2	84
20250211_2053	0.6	118
20250211_2103	0.1	57
20250211_2113	0.2	133
20250211_2123	0.2	257
20250211_2133	0.7	188
20250211_2143	0.5	144
20250211_2153	0.1	102
20250211_2203	0.3	140
20250211_2213	0.1	148
20250211_2223	0.1	133
20250211_2233	0.1	51
20250211_2243	0.1	111
20250211_2253	0.1	100
20250211_2303	0.1	38
20250211_2313	0.1	182
20250211_2323	0.1	218
20250211_2333	0.1	310
20250211_2343	0.1	74
20250211_2353	0.1	171

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250212_0003	0.1	126
20250212_0013	0.1	79
20250212_0023	0.1	235
20250212_0033	0.1	156
20250212_0043	0.1	188
20250212_0053	0.1	138
20250212_0103	0.1	88
20250212_0113	0.1	93
20250212_0123	0.4	57
20250212_0133	0.2	18
20250212_0143	0.1	85
20250212_0153	0.1	172
20250212_0203	0.3	119
20250212_0213	0.1	109
20250212_0223	0.3	143
20250212_0233	0.1	282
20250212_0243	0.1	154
20250212_0253	0.1	115
20250212_0303	0.1	155
20250212_0313	0.1	93
20250212_0323	0.1	136
20250212_0333	0.1	124
20250212_0343	0.1	130
20250212_0353	0.1	89
20250212_0403	0.1	81
20250212_0413	0.1	160
20250212_0423	0.1	60
20250212_0433	0.1	255
20250212_0443	0.1	315
20250212_0453	0.1	96
20250212_0503	0.1	114
20250212_0513	0.1	135
20250212_0523	0.1	141
20250212_0533	0.1	142
20250212_0543	0.1	88
20250212_0553	0.1	351
20250212_0603	0.1	51
20250212_0613	0.1	41
20250212_0623	0.1	336
20250212_0633	0.1	336
20250212_0643	0.1	150
20250212_0653	0.1	133
20250212_0703	0.1	341
20250212_0713	0.1	115
20250212_0723	0.1	121
20250212_0733	0.1	123
20250212_0743	0.1	145
20250212_0753	0.1	142
20250212_0803	0.1	116
20250212_0813	0.1	86
20250212_0823	0.1	125
20250212_0833	0.1	79
20250212_0843	0.1	322
20250212_0853	0.1	122
20250212_0903	0.1	93
20250212_0913	0.1	133
20250212_0923	0.1	90
20250212_0933	0.1	44
20250212_0943	0.1	48
20250212_0953	0.1	141
20250212_1003	0.1	96
20250212_1013	0.1	145
20250212_1023	0.1	104
20250212_1033	0.1	101
20250212_1043	0.1	141
20250212_1053	0.1	162
20250212_1103	0.1	336
20250212_1113	0.1	150
20250212_1123	0.1	126
20250212_1133	0.1	237
20250212_1143	0.1	246
20250212_1153	0.1	163

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250212_1203	0.1	129
20250212_1213	0.1	130
20250212_1223	0.1	95
20250212_1233	0.1	103
20250212_1243	0.1	132
20250212_1253	0.1	146
20250212_1303	0.1	122
20250212_1313	0.1	32
20250212_1323	0.1	130
20250212_1333	0.1	128
20250212_1343	0.1	111
20250212_1353	0.1	141
20250212_1403	0.1	183
20250212_1413	0.1	258
20250212_1423	0.1	258
20250212_1433	0.1	309
20250212_1443	0.1	264
20250212_1453	0.1	81
20250212_1503	0.1	160
20250212_1513	0.1	133
20250212_1523	0.3	129
20250212_1533	0.1	94
20250212_1543	1	99
20250212_1553	0.1	84
20250212_1603	0.1	58
20250212_1613	0.3	180
20250212_1623	0.1	53
20250212_1633	0.2	306
20250212_1643	0.1	40
20250212_1653	0.1	143
20250212_1703	0.1	154
20250212_1713	0.1	69
20250212_1723	0.1	75
20250212_1733	0.1	145
20250212_1743	0.1	133
20250212_1753	0.1	134
20250212_1803	0.1	106
20250212_1813	0.1	111
20250212_1823	0.1	114
20250212_1833	0.1	89
20250212_1843	0.1	277
20250212_1853	0.1	146
20250212_1903	0.1	121
20250212_1913	0.1	136
20250212_1923	0.1	150
20250212_1933	0.1	144
20250212_1943	0.1	114
20250212_1953	0.1	176
20250212_2003	0.2	112
20250212_2013	0.1	348
20250212_2023	0.1	101
20250212_2033	0.1	80
20250212_2043	0.1	117
20250212_2053	0.1	110
20250212_2103	0.1	87
20250212_2113	0.1	109
20250212_2123	0.1	138
20250212_2133	0.1	27
20250212_2143	0.1	39
20250212_2153	0.1	77
20250212_2203	0.1	99
20250212_2213	0.1	41
20250212_2223	0.1	248
20250212_2233	0.1	187
20250212_2243	0.1	142
20250212_2253	0.1	272
20250212_2303	0.1	130
20250212_2313	0.1	228
20250212_2323	0.1	198
20250212_2333	0.1	300
20250212_2343	0.1	79
20250212_2353	0.1	116

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250213_0003	0.1	148
20250213_0013	0.1	351
20250213_0023	0.1	351
20250213_0033	0.1	167
20250213_0043	0.1	160
20250213_0053	0.1	248
20250213_0103	0.1	291
20250213_0113	0.1	62
20250213_0123	0.1	127
20250213_0133	0.1	91
20250213_0143	0.1	338
20250213_0153	0.1	117
20250213_0203	0.1	146
20250213_0213	0.1	92
20250213_0223	0.1	37
20250213_0233	0.1	60
20250213_0243	0.1	293
20250213_0253	0.3	351
20250213_0303	1.1	315
20250213_0313	0.7	276
20250213_0323	1.1	329
20250213_0333	0.1	83
20250213_0343	0.1	60
20250213_0353	0.1	133
20250213_0403	0.1	61
20250213_0413	0.1	279
20250213_0423	0.1	347
20250213_0433	0.1	143
20250213_0443	0.8	160
20250213_0453	0.1	320
20250213_0503	0.1	119
20250213_0513	0.1	134
20250213_0523	0.1	139
20250213_0533	0.1	131
20250213_0543	0.1	134
20250213_0553	0.1	277
20250213_0603	0.1	128
20250213_0613	0.1	137
20250213_0623	0.1	151
20250213_0633	0.1	142
20250213_0643	0.1	102
20250213_0653	1.1	317
20250213_0703	0.1	83
20250213_0713	0.1	301
20250213_0723	0.4	304
20250213_0733	0.1	45
20250213_0743	0.1	51
20250213_0753	0.1	339
20250213_0803	0.2	146
20250213_0813	0.1	107
20250213_0823	0.1	171
20250213_0833	0.2	141
20250213_0843	0.1	253
20250213_0853	0.1	56
20250213_0903	0.1	292
20250213_0913	0.1	287
20250213_0923	0.1	335
20250213_0933	0.6	333
20250213_0943	0.1	64
20250213_0953	0.1	170
20250213_1003	0.1	144
20250213_1013	0.2	351
20250213_1023	0.6	302
20250213_1033	0.1	119
20250213_1043	0.1	11
20250213_1053	0.1	17
20250213_1103	0.2	135
20250213_1113	0.1	271
20250213_1123	0.1	148
20250213_1133	0.1	253
20250213_1143	0.1	334
20250213_1153	0.1	144

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250213_1203	0.1	242
20250213_1213	0.1	120
20250213_1223	0.1	125
20250213_1233	0.1	22
20250213_1243	0.1	15
20250213_1253	0.1	197
20250213_1303	0.1	114
20250213_1313	0.3	79
20250213_1323	1.8	119
20250213_1333	0.2	190
20250213_1343	0.1	252
20250213_1353	0.4	338
20250213_1403	0.1	121
20250213_1413	0.2	351
20250213_1423	0.1	350
20250213_1433	0.1	351
20250213_1443	0.8	58
20250213_1453	0.4	99
20250213_1503	0.1	190
20250213_1513	0.1	119
20250213_1523	0.1	42
20250213_1533	0.2	321
20250213_1543	0.6	148
20250213_1553	0.3	142
20250213_1603	0.1	118
20250213_1613	0.3	126
20250213_1623	0.2	332
20250213_1633	0.3	63
20250213_1643	0.1	52
20250213_1653	0.2	344
20250213_1703	0.5	74
20250213_1713	0.2	34
20250213_1723	0.1	56
20250213_1733	0.1	95
20250213_1743	0.1	107
20250213_1753	1.5	124
20250213_1803	0.1	95
20250213_1813	0.2	51
20250213_1823	0.1	49
20250213_1833	0.1	71
20250213_1843	0.1	287
20250213_1853	0.1	42
20250213_1903	0.1	286
20250213_1913	0.1	84
20250213_1923	0.3	134
20250213_1933	0.1	91
20250213_1943	0.1	344
20250213_1953	0.1	61
20250213_2003	0.1	80
20250213_2013	0.1	105
20250213_2023	0.1	24
20250213_2033	0.1	68
20250213_2043	0.1	288
20250213_2053	0.1	72
20250213_2103	0.9	159
20250213_2113	0.2	131
20250213_2123	0.2	126
20250213_2133	0.1	82
20250213_2143	0.2	125
20250213_2153	0.1	100
20250213_2203	0.1	31
20250213_2213	0.1	155
20250213_2223	0.1	121
20250213_2233	0.1	22
20250213_2243	0.3	137
20250213_2253	0.5	130
20250213_2303	0.1	93
20250213_2313	0.1	81
20250213_2323	2.2	113
20250213_2333	0.1	251
20250213_2343	0.1	103
20250213_2353	0.1	139

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250214_0003	0.4	41
20250214_0013	0.1	0
20250214_0023	0.1	120
20250214_0033	0.4	1
20250214_0043	0.1	49
20250214_0053	0.1	47
20250214_0103	0.1	99
20250214_0113	0.1	110
20250214_0123	0.2	155
20250214_0133	0.1	126
20250214_0143	0.1	49
20250214_0153	0.1	69
20250214_0203	0.1	106
20250214_0213	0.1	84
20250214_0223	0.1	98
20250214_0233	0.1	114
20250214_0243	0.1	212
20250214_0253	0.1	112
20250214_0303	0.1	117
20250214_0313	0.2	144
20250214_0323	0.1	113
20250214_0333	0.1	86
20250214_0343	0.1	112
20250214_0353	0.1	331
20250214_0403	0.1	135
20250214_0413	0.1	122
20250214_0423	0.1	114
20250214_0433	0.1	90
20250214_0443	0.1	59
20250214_0453	0.1	98
20250214_0503	0.1	340
20250214_0513	0.1	112
20250214_0523	0.1	180
20250214_0533	0.1	104
20250214_0543	0.1	152
20250214_0553	0.1	114
20250214_0603	0.1	147
20250214_0613	0.1	125
20250214_0623	0.1	145
20250214_0633	0.1	66
20250214_0643	0.1	110
20250214_0653	0.1	122
20250214_0703	0.1	117
20250214_0713	0.1	121
20250214_0723	0.1	131
20250214_0733	0.1	164
20250214_0743	0.1	293
20250214_0753	0.1	143
20250214_0803	0.1	151
20250214_0813	0.1	77
20250214_0823	0.2	146
20250214_0833	0.1	138
20250214_0843	0.1	28
20250214_0853	0.1	64
20250214_0903	0.1	17
20250214_0913	0.1	38
20250214_0923	0.2	148
20250214_0933	0.2	94
20250214_0943	0.5	108
20250214_0953	0.3	155
20250214_1003	0.1	191
20250214_1013	0.6	89
20250214_1023	0.1	125
20250214_1033	1.2	82
20250214_1043	1.9	134
20250214_1053	0.4	195
20250214_1103	0.7	89
20250214_1113	0.1	174
20250214_1123	0.1	89
20250214_1133	1.4	97
20250214_1143	0.9	83
20250214_1153	0.1	274

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250214_1203	0.1	11
20250214_1213	0.1	54
20250214_1223	0.1	67
20250214_1233	0.1	54
20250214_1243	0.1	21
20250214_1253	0.1	96
20250214_1303	0.1	239
20250214_1313	0.1	50
20250214_1323	0.1	80
20250214_1333	3.8	119
20250214_1343	0.1	53
20250214_1353	1.3	113
20250214_1403	1.8	117
20250214_1413	0.1	76
20250214_1423	0.1	38
20250214_1433	0.9	73
20250214_1443	0.5	87
20250214_1453	0.6	29
20250214_1503	0.4	11
20250214_1513	0.1	328
20250214_1523	0.1	26
20250214_1533	0.2	9
20250214_1543	1.9	169
20250214_1553	0.1	78
20250214_1603	4.9	160
20250214_1613	0.2	95
20250214_1623	0.8	118
20250214_1633	0.4	123
20250214_1643	3.4	90
20250214_1653	0.3	226
20250214_1703	2.6	142
20250214_1713	2.5	79
20250214_1723	1	127
20250214_1733	0.1	109
20250214_1743	0.5	315
20250214_1753	0.6	86
20250214_1803	0.1	121
20250214_1813	0.1	137
20250214_1823	0.1	341
20250214_1833	0.2	68
20250214_1843	0.4	338
20250214_1853	0.1	159
20250214_1903	0.1	275
20250214_1913	0.1	303
20250214_1923	0.1	207
20250214_1933	0.4	125
20250214_1943	0.5	193
20250214_1953	0.4	44
20250214_2003	0.1	329
20250214_2013	0.2	10
20250214_2023	1.6	126
20250214_2033	1.4	61
20250214_2043	0.2	135
20250214_2053	0.2	1
20250214_2103	0.1	121
20250214_2113	0.1	270
20250214_2123	0.1	309
20250214_2133	1	166
20250214_2143	0.2	173
20250214_2153	0.5	228
20250214_2203	0.9	91
20250214_2213	0.4	350
20250214_2223	0.1	27
20250214_2233	0.1	297
20250214_2243	0.3	307
20250214_2253	0.3	324
20250214_2303	2.8	117
20250214_2313	0.1	219
20250214_2323	0.1	105
20250214_2333	0.1	183
20250214_2343	0.5	107
20250214_2353	0.6	154

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250215_0003	1.1	159
20250215_0013	1.3	140
20250215_0023	0.2	139
20250215_0033	0.3	126
20250215_0043	0.1	190
20250215_0053	0.4	145
20250215_0103	0.1	132
20250215_0113	0.1	121
20250215_0123	0.2	126
20250215_0133	0.2	334
20250215_0143	0.1	60
20250215_0153	0.3	120
20250215_0203	0.1	167
20250215_0213	0.1	315
20250215_0223	0.1	185
20250215_0233	0.1	254
20250215_0243	0.1	315
20250215_0253	0.1	21
20250215_0303	0.3	108
20250215_0313	0.1	275
20250215_0323	0.1	292
20250215_0333	0.1	320
20250215_0343	0.1	325
20250215_0353	0.1	89
20250215_0403	0.1	23
20250215_0413	0.1	339
20250215_0423	0.1	140
20250215_0433	0.1	126
20250215_0443	0.1	120
20250215_0453	0.1	149
20250215_0503	0.1	127
20250215_0513	0.8	70
20250215_0523	0.1	260
20250215_0533	3	112
20250215_0543	1.4	160
20250215_0553	3	122
20250215_0603	0.1	80
20250215_0613	0.1	148
20250215_0623	0.1	143
20250215_0633	0.1	108
20250215_0643	0.8	159
20250215_0653	3.9	135
20250215_0703	1.5	120
20250215_0713	0.1	77
20250215_0723	0.5	110
20250215_0733	1.8	148
20250215_0743	0.1	322
20250215_0753	0.2	347
20250215_0803	2.8	129
20250215_0813	0.2	7
20250215_0823	0.6	54
20250215_0833	3.1	14
20250215_0843	0.2	316
20250215_0853	0.3	283
20250215_0903	0.1	12
20250215_0913	0.1	230
20250215_0923	2.6	38
20250215_0933	2.2	107
20250215_0943	0.6	56
20250215_0953	0.3	92
20250215_1003	0.1	311
20250215_1013	0.2	59
20250215_1023	0.1	58
20250215_1033	0.3	57
20250215_1043	0.5	285
20250215_1053	0.2	18
20250215_1103	0.1	63
20250215_1113	0.1	29
20250215_1123	2	65
20250215_1133	0.1	355
20250215_1143	1.1	32
20250215_1153	0.6	74

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250215_1203	0.2	191
20250215_1213	4	113
20250215_1223	0.1	260
20250215_1233	0.3	68
20250215_1243	0.1	83
20250215_1253	0.1	214
20250215_1303	0.4	95
20250215_1313	0.1	19
20250215_1323	0.1	339
20250215_1333	0.1	95
20250215_1343	0.2	142
20250215_1353	0.1	88
20250215_1403	0.3	177
20250215_1413	0.9	203
20250215_1423	0.1	67
20250215_1433	0.8	50
20250215_1443	0.3	77
20250215_1453	1.9	206
20250215_1503	0.1	122
20250215_1513	0.2	326
20250215_1523	0.1	105
20250215_1533	0.1	284
20250215_1543	0.1	51
20250215_1553	0.1	147
20250215_1603	0.1	253
20250215_1613	0.1	75
20250215_1623	1.9	178
20250215_1633	0.3	176
20250215_1643	0.2	106
20250215_1653	0.1	322
20250215_1703	0.1	282
20250215_1713	0.1	217
20250215_1723	0.1	230
20250215_1733	0.1	285
20250215_1743	0.1	48
20250215_1753	0.1	270
20250215_1803	0.4	313
20250215_1813	0.1	314
20250215_1823	0.1	301
20250215_1833	0.1	103
20250215_1843	0.1	291
20250215_1853	0.1	9
20250215_1903	0.1	339
20250215_1913	0.1	14
20250215_1923	0.1	282
20250215_1933	0.1	140
20250215_1943	0.1	128
20250215_1953	0.1	108
20250215_2003	0.1	114
20250215_2013	0.1	129
20250215_2023	0.1	118
20250215_2033	0.1	114
20250215_2043	0.1	104
20250215_2053	0.1	122
20250215_2103	0.1	122
20250215_2113	0.1	114
20250215_2123	0.1	194
20250215_2133	0.1	86
20250215_2143	0.1	146
20250215_2153	0.1	132
20250215_2203	0.1	132
20250215_2213	0.1	63
20250215_2223	0.1	142
20250215_2233	0.1	145
20250215_2243	0.1	25
20250215_2253	0.1	128
20250215_2303	0.1	125
20250215_2313	0.1	11
20250215_2323	0.1	282
20250215_2333	0.1	21
20250215_2343	0.1	153
20250215_2353	0.1	71

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250216_0003	0.1	106
20250216_0013	0.1	133
20250216_0023	0.1	140
20250216_0033	0.1	56
20250216_0043	0.1	4
20250216_0053	0.1	17
20250216_0103	0.1	6
20250216_0113	0.1	91
20250216_0123	0.1	70
20250216_0133	0.1	70
20250216_0143	0.1	88
20250216_0153	0.1	88
20250216_0203	0.1	325
20250216_0213	0.1	111
20250216_0223	0.1	286
20250216_0233	0.1	159
20250216_0243	0.1	116
20250216_0253	0.1	122
20250216_0303	0.1	103
20250216_0313	0.1	121
20250216_0323	0.1	142
20250216_0333	0.1	110
20250216_0343	0.1	323
20250216_0353	0.1	29
20250216_0403	0.1	329
20250216_0413	0.1	307
20250216_0423	0.1	233
20250216_0433	0.1	24
20250216_0443	0.1	60
20250216_0453	0.1	51
20250216_0503	0.1	59
20250216_0513	0.1	59
20250216_0523	0.1	60
20250216_0533	0.1	60
20250216_0543	0.1	246
20250216_0553	0.1	57
20250216_0603	0.1	3
20250216_0613	0.1	306
20250216_0623	0.1	337
20250216_0633	0.1	67
20250216_0643	0.1	157
20250216_0653	0.1	277
20250216_0703	0.1	277
20250216_0713	0.1	350
20250216_0723	0.1	50
20250216_0733	0.1	129
20250216_0743	0.1	129
20250216_0753	0.1	45
20250216_0803	0.1	133
20250216_0813	0.1	133
20250216_0823	0.1	131
20250216_0833	0.3	144
20250216_0843	0.1	122
20250216_0853	0.6	134
20250216_0903	0.2	132
20250216_0913	0.3	128
20250216_0923	0.1	14
20250216_0933	0.1	91
20250216_0943	0.2	112
20250216_0953	0.1	159
20250216_1003	0.3	98
20250216_1013	0.1	139
20250216_1023	0.1	47
20250216_1033	0.1	8
20250216_1043	1.1	122
20250216_1053	0.9	140
20250216_1103	0.3	118
20250216_1113	1.6	171
20250216_1123	0.1	72
20250216_1133	0.4	190
20250216_1143	0.3	148
20250216_1153	1.1	149

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250216_1203	0.1	270
20250216_1213	0.1	63
20250216_1223	0.1	292
20250216_1233	1.2	301
20250216_1243	0.4	150
20250216_1253	0.6	174
20250216_1303	1.9	152
20250216_1313	0.1	100
20250216_1323	2.7	52
20250216_1333	0.1	261
20250216_1343	0.1	267
20250216_1353	0.5	253
20250216_1403	0.1	279
20250216_1413	2.4	142
20250216_1423	0.2	83
20250216_1433	0.8	33
20250216_1443	4.1	129
20250216_1453	0.6	317
20250216_1503	2.2	135
20250216_1513	1.1	71
20250216_1523	0.1	48
20250216_1533	1.6	50
20250216_1543	1.2	120
20250216_1553	0.4	85
20250216_1603	0.4	137
20250216_1613	0.1	319
20250216_1623	0.2	304
20250216_1633	0.8	136
20250216_1643	1	113
20250216_1653	0.3	162
20250216_1703	0.1	353
20250216_1713	0.2	50
20250216_1723	0.1	53
20250216_1733	0.1	83
20250216_1743	0.1	345
20250216_1753	0.1	148
20250216_1803	0.1	151
20250216_1813	0.1	113
20250216_1823	0.1	88
20250216_1833	0.1	335
20250216_1843	0.1	108
20250216_1853	0.1	64
20250216_1903	0.1	30
20250216_1913	0.1	69
20250216_1923	0.1	145
20250216_1933	0.1	112
20250216_1943	0.1	100
20250216_1953	0.1	110
20250216_2003	0.1	122
20250216_2013	0.2	43
20250216_2023	0.1	117
20250216_2033	0.1	42
20250216_2043	0.1	135
20250216_2053	0.1	157
20250216_2103	0.1	324
20250216_2113	0.2	147
20250216_2123	0.1	118
20250216_2133	0.1	117
20250216_2143	0.1	105
20250216_2153	0.4	95
20250216_2203	0.1	57
20250216_2213	0.1	124
20250216_2223	0.3	65
20250216_2233	0.2	169
20250216_2243	0.1	109
20250216_2253	0.6	129
20250216_2303	0.2	135
20250216_2313	0.1	117
20250216_2323	0.1	109
20250216_2333	0.4	146
20250216_2343	0.2	5
20250216_2353	0.4	167

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250217_0003	0.1	31
20250217_0013	0.1	47
20250217_0023	0.4	118
20250217_0033	0.1	39
20250217_0043	0.1	230
20250217_0053	1.1	47
20250217_0103	0.5	51
20250217_0113	0.1	331
20250217_0123	0.1	344
20250217_0133	0.2	65
20250217_0143	0.1	121
20250217_0153	0.5	134
20250217_0203	0.1	154
20250217_0213	0.1	113
20250217_0223	0.1	3
20250217_0233	0.1	15
20250217_0243	0.1	222
20250217_0253	0.1	293
20250217_0303	0.1	54
20250217_0313	0.1	146
20250217_0323	0.1	108
20250217_0333	0.1	142
20250217_0343	0.1	130
20250217_0353	0.3	91
20250217_0403	0.2	87
20250217_0413	1	163
20250217_0423	0.4	178
20250217_0433	0.3	125
20250217_0443	0.1	282
20250217_0453	0.1	347
20250217_0503	0.6	152
20250217_0513	0.1	270
20250217_0523	0.1	335
20250217_0533	0.1	142
20250217_0543	0.3	46
20250217_0553	0.1	316
20250217_0603	0.1	326
20250217_0613	0.1	341
20250217_0623	0.1	249
20250217_0633	0.1	307
20250217_0643	0.1	16
20250217_0653	0.1	71
20250217_0703	0.1	100
20250217_0713	0.1	51
20250217_0723	0.1	197
20250217_0733	0.1	119
20250217_0743	0.1	138
20250217_0753	0.1	112
20250217_0803	0.1	126
20250217_0813	0.1	129
20250217_0823	0.1	98
20250217_0833	0.4	144
20250217_0843	0.2	8
20250217_0853	0.1	82
20250217_0903	0.1	40
20250217_0913	0.1	63
20250217_0923	0.1	285
20250217_0933	0.1	117
20250217_0943	0.2	68
20250217_0953	0.1	6
20250217_1003	0.1	38
20250217_1013	0.2	160
20250217_1023	0.1	13
20250217_1033	0.1	317
20250217_1043	0.1	56
20250217_1053	0.1	312
20250217_1103	0.1	29
20250217_1113	0.1	189
20250217_1123	1.2	126
20250217_1133	0.1	130
20250217_1143	0.1	143
20250217_1153	0.1	320

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250217_1203	0.2	339
20250217_1213	0.1	320
20250217_1223	2.6	97
20250217_1233	0.1	37
20250217_1243	4.5	131
20250217_1253	0.6	45
20250217_1303	0.2	63
20250217_1313	0.4	156
20250217_1323	0.2	288
20250217_1333	0.1	282
20250217_1343	1	303
20250217_1353	2.5	342
20250217_1403	1.7	327
20250217_1413	5.1	305
20250217_1423	2.8	0
20250217_1433	2.8	105
20250217_1443	0.7	307
20250217_1453	0.5	19
20250217_1503	0.3	340
20250217_1513	0.2	169
20250217_1523	7.5	60
20250217_1533	2.1	14
20250217_1543	0.3	268
20250217_1553	7	136
20250217_1603	3.3	40
20250217_1613	1	333
20250217_1623	1.2	287
20250217_1633	0.7	309
20250217_1643	2.1	164
20250217_1653	0.9	120
20250217_1703	0.1	63
20250217_1713	0.8	145
20250217_1723	0.1	335
20250217_1733	3.9	158
20250217_1743	0.1	331
20250217_1753	0.6	334
20250217_1803	1.1	327
20250217_1813	0.2	244
20250217_1823	0.1	323
20250217_1833	0.1	100
20250217_1843	0.1	84
20250217_1853	0.5	109
20250217_1903	0.2	89
20250217_1913	0.8	157
20250217_1923	0.1	100
20250217_1933	1.1	144
20250217_1943	0.2	112
20250217_1953	0.1	151
20250217_2003	0.1	145
20250217_2013	0.1	61
20250217_2023	0.4	141
20250217_2033	0.7	95
20250217_2043	2.1	128
20250217_2053	0.1	49
20250217_2103	0.2	330
20250217_2113	0.1	35
20250217_2123	0.1	305
20250217_2133	0.1	129
20250217_2143	0.1	88
20250217_2153	0.1	11
20250217_2203	0.2	154
20250217_2213	0.2	108
20250217_2223	0.9	154
20250217_2233	0.4	170
20250217_2243	0.9	67
20250217_2253	0.1	105
20250217_2303	0.5	138
20250217_2313	0.1	88
20250217_2323	0.1	117
20250217_2333	0.1	80
20250217_2343	0.6	299
20250217_2353	0.1	319

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250218_0003	5.1	153
20250218_0013	0.7	119
20250218_0023	0.2	163
20250218_0033	0.3	133
20250218_0043	0.7	48
20250218_0053	1.9	97
20250218_0103	1.5	76
20250218_0113	0.4	137
20250218_0123	1	140
20250218_0133	0.8	140
20250218_0143	0.7	161
20250218_0153	0.7	172
20250218_0203	0.2	67
20250218_0213	0.1	303
20250218_0223	0.1	89
20250218_0233	0.2	139
20250218_0243	0.1	59
20250218_0253	0.1	203
20250218_0303	0.1	31
20250218_0313	0.1	308
20250218_0323	0.1	162
20250218_0333	0.1	80
20250218_0343	0.2	169
20250218_0353	0.1	135
20250218_0403	0.1	154
20250218_0413	0.2	72
20250218_0423	0.1	333
20250218_0433	0.1	325
20250218_0443	0.1	296
20250218_0453	0.3	106
20250218_0503	0.1	142
20250218_0513	0.1	149
20250218_0523	0.1	178
20250218_0533	0.1	152
20250218_0543	0.1	137
20250218_0553	0.1	120
20250218_0603	0.1	99
20250218_0613	0.1	137
20250218_0623	0.2	57
20250218_0633	0.1	199
20250218_0643	0.1	187
20250218_0653	0.8	28
20250218_0703	0.2	48
20250218_0713	0.1	343
20250218_0723	0.1	227
20250218_0733	0.1	133
20250218_0743	0.1	102
20250218_0753	0.2	67
20250218_0803	0.2	86
20250218_0813	0.1	74
20250218_0823	0.1	347
20250218_0833	0.1	310
20250218_0843	0.1	312
20250218_0853	0.1	16
20250218_0903	0.2	315
20250218_0913	1.7	17
20250218_0923	0.2	23
20250218_0933	0.4	68
20250218_0943	0.5	167
20250218_0953	0.2	54
20250218_1003	0.6	131
20250218_1013	0.3	145
20250218_1023	0.1	181
20250218_1033	0.2	295
20250218_1043	2.3	111
20250218_1053	0.1	336
20250218_1103	0.2	12
20250218_1113	0.1	133
20250218_1123	0.4	43
20250218_1133	0.8	155
20250218_1143	1.5	126
20250218_1153	1.5	45

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250218_1203	1.2	122
20250218_1213	0.1	96
20250218_1223	0.1	330
20250218_1233	0.3	36
20250218_1243	0.1	136
20250218_1253	0.1	66
20250218_1303	0.1	71
20250218_1313	0.3	121
20250218_1323	1.8	99
20250218_1333	0.8	180
20250218_1343	0.1	193
20250218_1353	0.4	167
20250218_1403	0.8	37
20250218_1413	0.6	169
20250218_1423	0.3	202
20250218_1433	0.1	314
20250218_1443	0.1	305
20250218_1453	0.9	157
20250218_1503	0.1	80
20250218_1513	4.8	119
20250218_1523	0.3	129
20250218_1533	0.1	173
20250218_1543	0.1	14
20250218_1553	0.3	107
20250218_1603	0.3	30
20250218_1613	0.8	352
20250218_1623	1	73
20250218_1633	0.5	27
20250218_1643	2.2	350
20250218_1653	1.2	336
20250218_1703	0.5	348
20250218_1713	0.2	322
20250218_1723	0.2	40
20250218_1733	0.2	340
20250218_1743	0.2	292
20250218_1753	1	341
20250218_1803	2.1	330
20250218_1813	0.5	326
20250218_1823	2.7	11
20250218_1833	0.8	280
20250218_1843	0.1	283
20250218_1853	0.1	11
20250218_1903	2.5	347
20250218_1913	0.8	340
20250218_1923	1	66
20250218_1933	0.6	343
20250218_1943	3	23
20250218_1953	0.9	90
20250218_2003	1.8	102
20250218_2013	3.3	326
20250218_2023	1	48
20250218_2033	1.2	132
20250218_2043	0.3	94
20250218_2053	1.4	43
20250218_2103	0.2	281
20250218_2113	0.5	124
20250218_2123	0.3	132
20250218_2133	0.5	50
20250218_2143	0.1	90
20250218_2153	0.2	2
20250218_2203	6.3	62
20250218_2213	0.6	75
20250218_2223	0.2	37
20250218_2233	0.1	6
20250218_2243	3	9
20250218_2253	0.4	61
20250218_2303	0.6	330
20250218_2313	0.3	333
20250218_2323	0.1	304
20250218_2333	0.2	334
20250218_2343	0.1	41
20250218_2353	0.1	295

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250219_0003	0.1	339
20250219_0013	0.4	330
20250219_0023	0.2	99
20250219_0033	0.2	329
20250219_0043	1.3	338
20250219_0053	0.5	17
20250219_0103	0.9	325
20250219_0113	0.3	329
20250219_0123	0.2	100
20250219_0133	0.2	342
20250219_0143	0.1	318
20250219_0153	0.3	286
20250219_0203	0.1	337
20250219_0213	0.3	307
20250219_0223	0.1	102
20250219_0233	0.1	311
20250219_0243	0.1	15
20250219_0253	1.2	352
20250219_0303	0.1	28
20250219_0313	2.1	44
20250219_0323	1.4	113
20250219_0333	0.6	126
20250219_0343	0.5	110
20250219_0353	0.9	45
20250219_0403	0.2	97
20250219_0413	0.3	62
20250219_0423	1.6	115
20250219_0433	0.2	11
20250219_0443	0.5	340
20250219_0453	0.3	279
20250219_0503	0.2	242
20250219_0513	0.2	291
20250219_0523	0.1	321
20250219_0533	0.5	309
20250219_0543	0.1	90
20250219_0553	0.1	100
20250219_0603	0.1	314
20250219_0613	1	6
20250219_0623	0.1	328
20250219_0633	0.5	130
20250219_0643	0.1	0
20250219_0653	0.1	339
20250219_0703	0.3	301
20250219_0713	0.2	135
20250219_0723	0.5	295
20250219_0733	0.7	48
20250219_0743	0.3	32
20250219_0753	0.7	346
20250219_0803	3.8	31
20250219_0813	1.7	35
20250219_0823	1.5	110
20250219_0833	2.5	22
20250219_0843	2.3	21
20250219_0853	1.4	34
20250219_0903	1.1	31
20250219_0913	0.2	230
20250219_0923	2.2	319
20250219_0933	1.5	349
20250219_0943	3.1	69
20250219_0953	0.1	86
20250219_1003	0.1	45
20250219_1013	1	51
20250219_1023	0.8	125
20250219_1033	0.8	70
20250219_1043	0.2	115
20250219_1053	4.4	143
20250219_1103	0.6	80
20250219_1113	2.6	157
20250219_1123	0.5	77
20250219_1133	3.3	131
20250219_1143	3.8	113
20250219_1153	0.4	137

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250219_1203	2.2	110
20250219_1213	0.8	29
20250219_1223	0.2	349
20250219_1233	0.8	156
20250219_1243	1.2	174
20250219_1253	2.6	97
20250219_1303	0.8	181
20250219_1313	0.1	87
20250219_1323	0.1	342
20250219_1333	0.2	102
20250219_1343	0.2	142
20250219_1353	0.1	46
20250219_1403	0.5	123
20250219_1413	0.1	46
20250219_1423	0.5	183
20250219_1433	0.2	161
20250219_1443	0.3	40
20250219_1453	0.2	300
20250219_1503	0.9	324
20250219_1513	0.2	233
20250219_1523	0.1	270
20250219_1533	0.1	120
20250219_1543	0.3	341
20250219_1553	0.1	229
20250219_1603	0.2	6
20250219_1613	0.3	116
20250219_1623	0.1	285
20250219_1633	0.1	32
20250219_1643	1.3	61
20250219_1653	0.2	11
20250219_1703	5.7	41
20250219_1713	1	35
20250219_1723	0.4	342
20250219_1733	0.3	18
20250219_1743	0.6	64
20250219_1753	0.1	102
20250219_1803	0.1	340
20250219_1813	0.4	343
20250219_1823	1.4	86
20250219_1833	0.1	256
20250219_1843	0.1	88
20250219_1853	0.2	301
20250219_1903	0.1	307
20250219_1913	1.9	37
20250219_1923	0.1	22
20250219_1933	3.9	4
20250219_1943	0.9	310
20250219_1953	2.5	320
20250219_2003	1	351
20250219_2013	3.7	6
20250219_2023	2.2	6
20250219_2033	0.3	193
20250219_2043	1.6	313
20250219_2053	3.1	22
20250219_2103	0.4	324
20250219_2113	1.6	50
20250219_2123	0.1	2
20250219_2133	0.3	12
20250219_2143	0.4	18
20250219_2153	0.7	244
20250219_2203	0.1	319
20250219_2213	0.1	285
20250219_2223	0.1	59
20250219_2233	0.1	282
20250219_2243	0.1	213
20250219_2253	4.3	4
20250219_2303	1.7	74
20250219_2313	0.3	325
20250219_2323	0.2	344
20250219_2333	0.1	9
20250219_2343	0.2	121
20250219_2353	0.9	6

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250220_0003	0.9	298
20250220_0013	1.6	321
20250220_0023	0.2	76
20250220_0033	0.5	53
20250220_0043	0.6	336
20250220_0053	0.2	295
20250220_0103	0.2	3
20250220_0113	0.1	33
20250220_0123	0.2	339
20250220_0133	0.3	248
20250220_0143	0.1	117
20250220_0153	0.1	276
20250220_0203	0.1	129
20250220_0213	0.4	113
20250220_0223	0.1	189
20250220_0233	0.1	266
20250220_0243	0.1	302
20250220_0253	0.1	321
20250220_0303	0.1	114
20250220_0313	0.1	194
20250220_0323	0.1	87
20250220_0333	0.1	187
20250220_0343	0.1	13
20250220_0353	0.1	135
20250220_0403	0.1	133
20250220_0413	0.1	140
20250220_0423	0.2	116
20250220_0433	1.6	144
20250220_0443	0.5	174
20250220_0453	0.9	146
20250220_0503	0.2	122
20250220_0513	0.3	158
20250220_0523	0.1	127
20250220_0533	0.1	90
20250220_0543	0.1	130
20250220_0553	0.1	141
20250220_0603	0.1	142
20250220_0613	0.1	193
20250220_0623	0.1	28
20250220_0633	0.1	190
20250220_0643	0.1	91
20250220_0653	0.1	289
20250220_0703	0.1	141
20250220_0713	0.9	118
20250220_0723	0.3	140
20250220_0733	0.1	82
20250220_0743	0.1	148
20250220_0753	0.1	63
20250220_0803	0.1	227
20250220_0813	0.1	20
20250220_0823	0.9	46
20250220_0833	0.2	143
20250220_0843	0.3	139
20250220_0853	0.1	77
20250220_0903	0.1	296
20250220_0913	0.4	142
20250220_0923	0.3	75
20250220_0933	1.3	51
20250220_0943	0.6	118
20250220_0953	0.1	145
20250220_1003	0.8	307
20250220_1013	0.1	279
20250220_1023	0.6	252
20250220_1033	0.7	325
20250220_1043	0.2	301
20250220_1053	3.2	160
20250220_1103	2.5	330
20250220_1113	0.3	298
20250220_1123	0.1	129
20250220_1133	0.5	191
20250220_1143	1.2	144
20250220_1153	0.8	61

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250220_1203	0.5	347
20250220_1213	2.5	324
20250220_1223	2.3	56
20250220_1233	0.1	101
20250220_1243	0.2	34
20250220_1253	5.7	340
20250220_1303	2.1	300
20250220_1313	5.6	325
20250220_1323	4.4	33
20250220_1333	5.4	326
20250220_1343	1.1	339
20250220_1353	1.5	258
20250220_1403	7.6	52
20250220_1413	2.5	284
20250220_1423	0.2	69
20250220_1433	1.2	36
20250220_1443	0.3	263
20250220_1453	0.3	306
20250220_1503	1.3	312
20250220_1513	5.4	20
20250220_1523	0.8	55
20250220_1533	7.1	79
20250220_1543	1.2	3
20250220_1553	2.8	119
20250220_1603	0.3	329
20250220_1613	0.3	262
20250220_1623	0.2	4
20250220_1633	0.1	267
20250220_1643	1.1	323
20250220_1653	2.4	341
20250220_1703	0.2	281
20250220_1713	0.2	350
20250220_1723	0.3	120
20250220_1733	0.2	322
20250220_1743	0.4	73
20250220_1753	0.3	69
20250220_1803	0.2	334
20250220_1813	0.2	48
20250220_1823	0.1	225
20250220_1833	1	129
20250220_1843	0.2	322
20250220_1853	0.4	0
20250220_1903	0.1	73
20250220_1913	0.9	15
20250220_1923	0.2	167
20250220_1933	0.1	314
20250220_1943	0.1	270
20250220_1953	3.8	321
20250220_2003	0.1	348
20250220_2013	0.2	27
20250220_2023	0.7	36
20250220_2033	0.2	338
20250220_2043	0.5	326
20250220_2053	0.5	2
20250220_2103	0.1	32
20250220_2113	0.2	6
20250220_2123	0.1	334
20250220_2133	0.2	339
20250220_2143	0.2	141
20250220_2153	0.7	325
20250220_2203	8.2	138
20250220_2213	0.3	112
20250220_2223	0.2	114
20250220_2233	0.1	57
20250220_2243	0.4	125
20250220_2253	0.4	7
20250220_2303	1.5	68
20250220_2313	0.2	64
20250220_2323	2.1	285
20250220_2333	4.6	347
20250220_2343	0.8	148
20250220_2353	2.6	163

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250221_0003	1.1	298
20250221_0013	0.1	260
20250221_0023	0.1	105
20250221_0033	0.2	50
20250221_0043	0.1	16
20250221_0053	1.1	322
20250221_0103	2.6	316
20250221_0113	0.1	52
20250221_0123	2.5	336
20250221_0133	0.3	107
20250221_0143	4.2	286
20250221_0153	0.1	91
20250221_0203	0.1	263
20250221_0213	0.1	66
20250221_0223	0.1	182
20250221_0233	0.1	28
20250221_0243	0.1	81
20250221_0253	0.1	272
20250221_0303	0.1	109
20250221_0313	0.4	44
20250221_0323	0.2	34
20250221_0333	0.3	128
20250221_0343	0.1	95
20250221_0353	0.1	12
20250221_0403	0.1	319
20250221_0413	0.1	52
20250221_0423	0.1	37
20250221_0433	0.1	23
20250221_0443	0.1	293
20250221_0453	0.1	21
20250221_0503	0.1	176
20250221_0513	0.1	32
20250221_0523	0.2	33
20250221_0533	0.1	23
20250221_0543	0.1	349
20250221_0553	0.1	161
20250221_0603	0.1	333
20250221_0613	0.2	143
20250221_0623	0.1	123
20250221_0633	0.2	76
20250221_0643	0.6	157
20250221_0653	0.2	6
20250221_0703	0.1	185
20250221_0713	0.1	82
20250221_0723	0.1	48
20250221_0733	0.1	319
20250221_0743	0.1	6
20250221_0753	0.1	275
20250221_0803	0.1	335
20250221_0813	0.1	153
20250221_0823	1.1	153
20250221_0833	0.1	197
20250221_0843	0.1	0
20250221_0853	0.1	118
20250221_0903	0.1	97
20250221_0913	0.1	305
20250221_0923	0.1	9
20250221_0933	0.1	161
20250221_0943	0.1	33
20250221_0953	0.1	264
20250221_1003	0.2	24
20250221_1013	0.1	221
20250221_1023	0.1	10
20250221_1033	0.1	22
20250221_1043	0.2	318
20250221_1053	0.2	127
20250221_1103	0.1	8
20250221_1113	1.5	133
20250221_1123	0.1	102
20250221_1133	0.5	95
20250221_1143	0.1	340
20250221_1153	0.2	247

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250221_1203	0.2	338
20250221_1213	0.1	82
20250221_1223	0.4	122
20250221_1233	0.3	80
20250221_1243	0.1	319
20250221_1253	0.1	18
20250221_1303	0.9	161
20250221_1313	0.1	46
20250221_1323	0.2	74
20250221_1333	0.3	109
20250221_1343	0.1	72
20250221_1353	0.1	93
20250221_1403	0.9	45
20250221_1413	0.1	313
20250221_1423	0.8	93
20250221_1433	3	93
20250221_1443	0.1	28
20250221_1453	0.1	39
20250221_1503	0.1	174
20250221_1513	0.1	145
20250221_1523	1.8	37
20250221_1533	0.3	41
20250221_1543	0.1	28
20250221_1553	0.4	25
20250221_1603	0.8	21
20250221_1613	6	96
20250221_1623	0.3	69
20250221_1633	0.2	36
20250221_1643	0.1	239
20250221_1653	0.4	79
20250221_1703	0.2	13
20250221_1713	0.2	129
20250221_1723	0.1	62
20250221_1733	0.1	47
20250221_1743	1.2	127
20250221_1753	1.6	150
20250221_1803	0.1	130
20250221_1813	0.1	105
20250221_1823	0.1	122
20250221_1833	0.1	114
20250221_1843	0.1	90
20250221_1853	0.6	119
20250221_1903	1.6	12
20250221_1913	0.1	115
20250221_1923	0.1	302
20250221_1933	0.2	252
20250221_1943	0.1	185
20250221_1953	0.3	324
20250221_2003	0.1	12
20250221_2013	0.1	189
20250221_2023	0.1	48
20250221_2033	0.1	123
20250221_2043	0.1	339
20250221_2053	0.6	102
20250221_2103	0.1	152
20250221_2113	0.1	317
20250221_2123	0.6	58
20250221_2133	0.7	63
20250221_2143	0.1	341
20250221_2153	0.1	332
20250221_2203	0.1	195
20250221_2213	0.1	183
20250221_2223	0.1	14
20250221_2233	0.1	212
20250221_2243	0.1	283
20250221_2253	0.1	36
20250221_2303	0.1	52
20250221_2313	0.2	75
20250221_2323	0.1	315
20250221_2333	0.2	306
20250221_2343	0.5	32
20250221_2353	0.1	187

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250222_0003	1.2	120
20250222_0013	1.2	146
20250222_0023	0.1	94
20250222_0033	0.1	161
20250222_0043	0.4	130
20250222_0053	0.5	121
20250222_0103	1.4	135
20250222_0113	0.1	48
20250222_0123	0.1	125
20250222_0133	0.1	261
20250222_0143	0.1	127
20250222_0153	0.1	294
20250222_0203	0.2	340
20250222_0213	0.1	32
20250222_0223	0.1	222
20250222_0233	0.1	31
20250222_0243	0.1	294
20250222_0253	0.1	41
20250222_0303	0.1	45
20250222_0313	0.1	20
20250222_0323	0.1	80
20250222_0333	0.1	19
20250222_0343	0.2	337
20250222_0353	0.1	157
20250222_0403	0.2	320
20250222_0413	0.1	82
20250222_0423	0.2	0
20250222_0433	1.6	2
20250222_0443	0.3	304
20250222_0453	0.1	285
20250222_0503	0.2	127
20250222_0513	0.1	8
20250222_0523	0.1	339
20250222_0533	0.1	148
20250222_0543	0.1	122
20250222_0553	0.1	126
20250222_0603	0.1	161
20250222_0613	1.3	241
20250222_0623	0.1	327
20250222_0633	0.1	162
20250222_0643	0.3	68
20250222_0653	0.2	288
20250222_0703	0.1	129
20250222_0713	0.3	110
20250222_0723	0.1	123
20250222_0733	0.1	70
20250222_0743	0.1	349
20250222_0753	0.1	84
20250222_0803	0.1	136
20250222_0813	0.1	141
20250222_0823	0.1	146
20250222_0833	0.1	141
20250222_0843	0.1	95
20250222_0853	0.1	9
20250222_0903	0.1	48
20250222_0913	0.2	21
20250222_0923	0.1	158
20250222_0933	0.1	11
20250222_0943	0.1	333
20250222_0953	0.1	39
20250222_1003	0.1	9
20250222_1013	0.1	130
20250222_1023	0.1	345
20250222_1033	0.3	344
20250222_1043	0.1	243
20250222_1053	0.9	22
20250222_1103	0.3	19
20250222_1113	0.1	43
20250222_1123	0.1	40
20250222_1133	0.3	56
20250222_1143	0.1	75
20250222_1153	0.9	87

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250222_1203	0.6	131
20250222_1213	0.1	152
20250222_1223	0.2	129
20250222_1233	0.2	333
20250222_1243	0.1	127
20250222_1253	0.1	119
20250222_1303	0.5	51
20250222_1313	0.1	132
20250222_1323	0.1	28
20250222_1333	0.1	45
20250222_1343	0.1	22
20250222_1353	0.1	9
20250222_1403	0.1	37
20250222_1413	0.2	343
20250222_1423	0.4	162
20250222_1433	0.1	268
20250222_1443	0.1	191
20250222_1453	2	162
20250222_1503	0.1	115
20250222_1513	0.4	158
20250222_1523	0.2	96
20250222_1533	0.1	302
20250222_1543	0.2	123
20250222_1553	0.2	97
20250222_1603	0.5	175
20250222_1613	0.1	133
20250222_1623	0.1	109
20250222_1633	0.1	234
20250222_1643	0.1	90
20250222_1653	0.1	22
20250222_1703	0.1	251
20250222_1713	0.1	148
20250222_1723	0.2	19
20250222_1733	0.1	141
20250222_1743	0.2	164
20250222_1753	0.1	10
20250222_1803	0.1	142
20250222_1813	0.1	118
20250222_1823	0.1	343
20250222_1833	0.1	39
20250222_1843	0.1	241
20250222_1853	0.1	101
20250222_1903	0.1	113
20250222_1913	0.2	60
20250222_1923	0.1	127
20250222_1933	0.1	64
20250222_1943	0.1	105
20250222_1953	0.1	141
20250222_2003	0.1	144
20250222_2013	0.1	154
20250222_2023	0.1	145
20250222_2033	0.1	117
20250222_2043	0.1	118
20250222_2053	0.1	19
20250222_2103	0.1	105
20250222_2113	0.1	62
20250222_2123	0.1	52
20250222_2133	0.1	115
20250222_2143	0.1	103
20250222_2153	0.1	113
20250222_2203	0.1	140
20250222_2213	0.1	132
20250222_2223	0.1	60
20250222_2233	0.1	68
20250222_2243	0.2	99
20250222_2253	0.1	116
20250222_2303	0.1	119
20250222_2313	0.1	119
20250222_2323	0.1	135
20250222_2333	0.1	120
20250222_2343	0.1	139
20250222_2353	0.1	142

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250223_0003	0.1	122
20250223_0013	0.1	145
20250223_0023	0.1	137
20250223_0033	0.1	224
20250223_0043	0.1	229
20250223_0053	0.1	34
20250223_0103	0.1	113
20250223_0113	0.1	325
20250223_0123	0.1	151
20250223_0133	0.1	150
20250223_0143	0.1	187
20250223_0153	0.1	134
20250223_0203	0.1	134
20250223_0213	0.1	134
20250223_0223	0.1	132
20250223_0233	0.1	132
20250223_0243	0.1	134
20250223_0253	0.1	135
20250223_0303	0.1	102
20250223_0313	0.1	145
20250223_0323	0.1	138
20250223_0333	0.1	133
20250223_0343	0.1	127
20250223_0353	0.1	255
20250223_0403	0.1	299
20250223_0413	0.1	141
20250223_0423	0.1	105
20250223_0433	0.1	159
20250223_0443	0.1	278
20250223_0453	0.1	129
20250223_0503	0.1	136
20250223_0513	0.1	110
20250223_0523	0.1	115
20250223_0533	0.1	114
20250223_0543	0.1	144
20250223_0553	0.1	142
20250223_0603	0.1	161
20250223_0613	0.1	302
20250223_0623	0.1	139
20250223_0633	0.1	125
20250223_0643	0.1	293
20250223_0653	0.1	244
20250223_0703	0.1	133
20250223_0713	0.1	138
20250223_0723	0.1	111
20250223_0733	0.1	149
20250223_0743	0.1	136
20250223_0753	0.1	82
20250223_0803	0.1	129
20250223_0813	0.1	132
20250223_0823	0.1	185
20250223_0833	0.4	350
20250223_0843	0.5	318
20250223_0853	1.4	327
20250223_0903	0.1	333
20250223_0913	0.1	281
20250223_0923	0.1	312
20250223_0933	0.1	150
20250223_0943	0.1	164
20250223_0953	0.1	319
20250223_1003	0.1	46
20250223_1013	0.1	333
20250223_1023	0.1	68
20250223_1033	0.1	71
20250223_1043	1	307
20250223_1053	0.1	0
20250223_1103	1	296
20250223_1113	0.4	335
20250223_1123	0.1	49
20250223_1133	0.5	12
20250223_1143	0.1	12
20250223_1153	0.4	310

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250223_1203	0.1	72
20250223_1213	0.2	264
20250223_1223	0.5	42
20250223_1233	0.4	285
20250223_1243	0.1	344
20250223_1253	1.1	311
20250223_1303	0.2	302
20250223_1313	0.5	17
20250223_1323	0.2	50
20250223_1333	0.1	335
20250223_1343	0.1	28
20250223_1353	1.1	33
20250223_1403	0.1	23
20250223_1413	0.1	48
20250223_1423	0.1	46
20250223_1433	0.1	218
20250223_1443	0.1	0
20250223_1453	0.1	188
20250223_1503	0.1	72
20250223_1513	0.9	321
20250223_1523	0.2	328
20250223_1533	0.2	324
20250223_1543	1.8	317
20250223_1553	0.3	278
20250223_1603	0.6	311
20250223_1613	0.9	341
20250223_1623	0.1	32
20250223_1633	2.3	336
20250223_1643	0.3	303
20250223_1653	0.3	28
20250223_1703	0.2	291
20250223_1713	0.8	334
20250223_1723	0.1	295
20250223_1733	2	299
20250223_1743	0.1	27
20250223_1753	0.7	117
20250223_1803	0.2	283
20250223_1813	0.1	322
20250223_1823	0.1	82
20250223_1833	1	327
20250223_1843	0.7	337
20250223_1853	0.1	351
20250223_1903	2.8	312
20250223_1913	0.2	330
20250223_1923	1.5	311
20250223_1933	0.1	346
20250223_1943	1	326
20250223_1953	0.2	258
20250223_2003	1.5	321
20250223_2013	3.1	331
20250223_2023	0.1	328
20250223_2033	0.1	96
20250223_2043	1.9	332
20250223_2053	0.1	300
20250223_2103	1.7	312
20250223_2113	0.1	296
20250223_2123	0.1	316
20250223_2133	0.1	280
20250223_2143	1.4	288
20250223_2153	0.1	347
20250223_2203	0.8	316
20250223_2213	0.2	52
20250223_2223	0.4	297
20250223_2233	1	289
20250223_2243	0.2	254
20250223_2253	2.4	305
20250223_2303	1.9	296
20250223_2313	0.1	341
20250223_2323	0.3	295
20250223_2333	0.4	322
20250223_2343	0.2	273
20250223_2353	0.5	300

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250224_0003	0.1	294
20250224_0013	0.2	284
20250224_0023	0.4	318
20250224_0033	0.9	299
20250224_0043	1.2	334
20250224_0053	0.4	325
20250224_0103	0.2	265
20250224_0113	0.5	299
20250224_0123	0.2	305
20250224_0133	0.1	337
20250224_0143	1.1	283
20250224_0153	0.3	310
20250224_0203	1.2	291
20250224_0213	0.1	315
20250224_0223	0.1	248
20250224_0233	0.9	283
20250224_0243	0.1	81
20250224_0253	0.1	289
20250224_0303	0.1	303
20250224_0313	0.1	10
20250224_0323	0.1	136
20250224_0333	0.2	289
20250224_0343	0.1	152
20250224_0353	0.1	193
20250224_0403	1	326
20250224_0413	0.1	218
20250224_0423	0.3	314
20250224_0433	0.1	5
20250224_0443	0.1	283
20250224_0453	0.1	347
20250224_0503	0.1	133
20250224_0513	0.1	275
20250224_0523	0.1	12
20250224_0533	0.1	326
20250224_0543	0.1	343
20250224_0553	0.1	73
20250224_0603	0.1	104
20250224_0613	0.1	115
20250224_0623	0.1	343
20250224_0633	0.2	309
20250224_0643	0.1	340
20250224_0653	0.1	342
20250224_0703	0.4	312
20250224_0713	0.1	317
20250224_0723	0.1	16
20250224_0733	0.1	328
20250224_0743	2	286
20250224_0753	0.1	309
20250224_0803	0.2	312
20250224_0813	0.5	280
20250224_0823	0.1	149
20250224_0833	0.1	328
20250224_0843	0.1	199
20250224_0853	0.1	9
20250224_0903	0.2	349
20250224_0913	0.1	287
20250224_0923	1.1	60
20250224_0933	0.1	283
20250224_0943	0.1	96
20250224_0953	0.1	305
20250224_1003	0.1	339
20250224_1013	0.3	64
20250224_1023	0.1	258
20250224_1033	0.1	262
20250224_1043	0.4	42
20250224_1053	0.1	200
20250224_1103	0.2	104
20250224_1113	0.4	285
20250224_1123	0.6	48
20250224_1133	0.2	114
20250224_1143	1.3	89
20250224_1153	1.3	283

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250224_1203	0.1	115
20250224_1213	0.1	49
20250224_1223	2.1	337
20250224_1233	0.1	241
20250224_1243	0.1	3
20250224_1253	1	2
20250224_1303	2.1	131
20250224_1313	0.5	27
20250224_1323	1.6	48
20250224_1333	0.2	93
20250224_1343	0.8	10
20250224_1353	4.2	118
20250224_1403	0.3	152
20250224_1413	3.5	143
20250224_1423	0.1	107
20250224_1433	0.1	43
20250224_1443	0.1	76
20250224_1453	0.1	41
20250224_1503	0.5	56
20250224_1513	0.1	149
20250224_1523	0.1	186
20250224_1533	0.1	202
20250224_1543	0.1	18
20250224_1553	0.3	23
20250224_1603	0.2	19
20250224_1613	0.1	143
20250224_1623	0.4	151
20250224_1633	2.6	117
20250224_1643	0.2	2
20250224_1653	1.4	165
20250224_1703	0.6	58
20250224_1713	0.2	319
20250224_1723	0.2	288
20250224_1733	0.1	28
20250224_1743	0.2	52
20250224_1753	0.3	51
20250224_1803	0.1	321
20250224_1813	0.1	304
20250224_1823	0.3	328
20250224_1833	0.1	326
20250224_1843	0.2	46
20250224_1853	0.3	4
20250224_1903	0.1	252
20250224_1913	0.1	103
20250224_1923	0.5	342
20250224_1933	0.1	325
20250224_1943	0.8	20
20250224_1953	0.1	231
20250224_2003	0.2	345
20250224_2013	0.1	40
20250224_2023	0.1	167
20250224_2033	0.2	120
20250224_2043	0.1	48
20250224_2053	1.1	110
20250224_2103	0.1	312
20250224_2113	0.3	72
20250224_2123	0.1	225
20250224_2133	0.1	15
20250224_2143	0.1	242
20250224_2153	0.6	347
20250224_2203	0.1	122
20250224_2213	0.4	27
20250224_2223	0.1	34
20250224_2233	0.1	73
20250224_2243	0.2	73
20250224_2253	0.1	3
20250224_2303	0.5	55
20250224_2313	0.4	37
20250224_2323	0.1	106
20250224_2333	0.1	200
20250224_2343	0.4	295
20250224_2353	0.8	350

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250225_0003	0.1	325
20250225_0013	0.1	3
20250225_0023	0.8	59
20250225_0033	1.2	52
20250225_0043	0.1	214
20250225_0053	0.1	104
20250225_0103	0.7	344
20250225_0113	0.2	97
20250225_0123	1.3	338
20250225_0133	1.4	339
20250225_0143	2.4	324
20250225_0153	2.7	0
20250225_0203	0.1	91
20250225_0213	0.1	160
20250225_0223	0.1	35
20250225_0233	0.5	119
20250225_0243	0.1	103
20250225_0253	0.9	315
20250225_0303	0.6	159
20250225_0313	0.1	52
20250225_0323	0.1	28
20250225_0333	0.1	74
20250225_0343	0.1	349
20250225_0353	0.2	43
20250225_0403	0.3	31
20250225_0413	0.1	25
20250225_0423	0.1	282
20250225_0433	0.1	110
20250225_0443	0.2	343
20250225_0453	0.1	66
20250225_0503	0.9	126
20250225_0513	0.1	211
20250225_0523	0.1	312
20250225_0533	0.1	208
20250225_0543	0.1	333
20250225_0553	0.1	34
20250225_0603	0.1	164
20250225_0613	0.1	65
20250225_0623	0.1	185
20250225_0633	0.2	292
20250225_0643	0.2	279
20250225_0653	0.1	159
20250225_0703	0.1	344
20250225_0713	0.1	323
20250225_0723	0.1	297
20250225_0733	0.1	16
20250225_0743	0.1	124
20250225_0753	0.1	72
20250225_0803	0.1	132
20250225_0813	0.1	16
20250225_0823	0.1	145
20250225_0833	0.1	150
20250225_0843	0.1	92
20250225_0853	0.1	123
20250225_0903	0.3	145
20250225_0913	0.1	109
20250225_0923	0.2	137
20250225_0933	0.1	51
20250225_0943	0.1	139
20250225_0953	0.1	141
20250225_1003	0.2	111
20250225_1013	0.1	115
20250225_1023	0.1	97
20250225_1033	0.1	114
20250225_1043	0.1	336
20250225_1053	0.1	96
20250225_1103	0.2	305
20250225_1113	0.1	91
20250225_1123	0.4	286
20250225_1133	0.1	64
20250225_1143	0.1	145
20250225_1153	0.2	180

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250225_1203	0.7	131
20250225_1213	0.4	81
20250225_1223	2.7	132
20250225_1233	0.4	188
20250225_1243	0.5	23
20250225_1253	0.4	38
20250225_1303	0.1	175
20250225_1313	0.4	58
20250225_1323	0.1	259
20250225_1333	1.3	123
20250225_1343	0.2	120
20250225_1353	0.1	46
20250225_1403	0.1	31
20250225_1413	0.1	100
20250225_1423	0.2	97
20250225_1433	0.2	47
20250225_1443	0.1	345
20250225_1453	0.5	54
20250225_1503	0.4	49
20250225_1513	0.5	154
20250225_1523	0.2	120
20250225_1533	0.2	37
20250225_1543	0.1	118
20250225_1553	0.1	52
20250225_1603	0.4	89
20250225_1613	0.1	1
20250225_1623	0.2	275
20250225_1633	0.1	79
20250225_1643	0.1	21
20250225_1653	0.1	112
20250225_1703	0.1	80
20250225_1713	0.1	116
20250225_1723	0.1	104
20250225_1733	0.2	116
20250225_1743	0.1	309
20250225_1753	0.1	51
20250225_1803	0.1	99
20250225_1813	0.1	153
20250225_1823	0.1	97
20250225_1833	0.1	52
20250225_1843	0.1	165
20250225_1853	0.1	287
20250225_1903	0.1	324
20250225_1913	0.1	128
20250225_1923	0.1	136
20250225_1933	0.1	145
20250225_1943	0.1	259
20250225_1953	0.1	143
20250225_2003	0.1	142
20250225_2013	0.1	140
20250225_2023	0.1	132
20250225_2033	0.1	132
20250225_2043	0.1	142
20250225_2053	0.1	142
20250225_2103	0.1	142
20250225_2113	0.1	232
20250225_2123	0.1	129
20250225_2133	0.1	79
20250225_2143	0.1	136
20250225_2153	0.1	144
20250225_2203	0.1	138
20250225_2213	0.1	138
20250225_2223	0.1	102
20250225_2233	0.1	104
20250225_2243	0.1	103
20250225_2253	0.1	103
20250225_2303	0.1	103
20250225_2313	0.1	103
20250225_2323	0.1	102
20250225_2333	0.1	102
20250225_2343	0.1	102
20250225_2353	0.1	106

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250226_0003	0.1	106
20250226_0013	0.1	135
20250226_0023	0.1	135
20250226_0033	0.1	95
20250226_0043	0.1	114
20250226_0053	0.1	49
20250226_0103	0.1	322
20250226_0113	0.1	113
20250226_0123	0.1	339
20250226_0133	0.1	97
20250226_0143	0.1	93
20250226_0153	0.2	120
20250226_0203	0.2	117
20250226_0213	0.1	140
20250226_0223	0.2	163
20250226_0233	0.1	122
20250226_0243	0.1	105
20250226_0253	0.1	108
20250226_0303	0.1	137
20250226_0313	0.1	138
20250226_0323	0.1	126
20250226_0333	0.1	132
20250226_0343	0.1	37
20250226_0353	0.1	344
20250226_0403	0.1	110
20250226_0413	0.1	53
20250226_0423	0.1	274
20250226_0433	0.1	133
20250226_0443	0.1	116
20250226_0453	0.1	112
20250226_0503	0.1	134
20250226_0513	0.1	311
20250226_0523	0.1	306
20250226_0533	0.1	64
20250226_0543	0.1	296
20250226_0553	0.1	195
20250226_0603	0.1	270
20250226_0613	0.1	338
20250226_0623	0.2	25
20250226_0633	0.1	271
20250226_0643	0.1	299
20250226_0653	0.1	266
20250226_0703	0.1	96
20250226_0713	0.1	134
20250226_0723	0.1	143
20250226_0733	0.1	168
20250226_0743	0.1	130
20250226_0753	0.1	304
20250226_0803	0.1	117
20250226_0813	0.1	90
20250226_0823	0.1	339
20250226_0833	0.1	108
20250226_0843	0.1	119
20250226_0853	0.1	57
20250226_0903	0.2	173
20250226_0913	0.1	287
20250226_0923	0.1	228
20250226_0933	0.1	147
20250226_0943	0.1	17
20250226_0953	0.2	102
20250226_1003	0.1	266
20250226_1013	0.1	322
20250226_1023	0.1	104
20250226_1033	0.1	114
20250226_1043	0.1	143
20250226_1053	0.1	140
20250226_1103	0.3	152
20250226_1113	0.1	71
20250226_1123	0.1	302
20250226_1133	0.1	247
20250226_1143	0.1	285
20250226_1153	0.1	328

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250226_1203	0.1	332
20250226_1213	1	257
20250226_1223	0.1	155
20250226_1233	1.3	76
20250226_1243	0.1	329
20250226_1253	0.2	181
20250226_1303	0.5	330
20250226_1313	0.1	353
20250226_1323	0.4	103
20250226_1333	0.2	317
20250226_1343	1.4	323
20250226_1353	0.1	113
20250226_1403	0.1	346
20250226_1413	0.1	80
20250226_1423	0.3	102
20250226_1433	0.1	19
20250226_1443	0.1	74
20250226_1453	0.4	155
20250226_1503	0.1	6
20250226_1513	0.4	113
20250226_1523	0.1	16
20250226_1533	0.1	173
20250226_1543	0.3	351
20250226_1553	0.5	25
20250226_1603	0.2	152
20250226_1613	0.1	2
20250226_1623	0.5	53
20250226_1633	0.3	137
20250226_1643	1.5	30
20250226_1653	0.2	99
20250226_1703	0.2	14
20250226_1713	0.3	1
20250226_1723	0.1	46
20250226_1733	0.8	129
20250226_1743	3.9	162
20250226_1753	3.6	153
20250226_1803	0.3	146
20250226_1813	6.6	142
20250226_1823	0.3	83
20250226_1833	0.3	299
20250226_1843	0.9	9
20250226_1853	0.1	83
20250226_1903	0.8	26
20250226_1913	0.1	278
20250226_1923	1.3	330
20250226_1933	0.1	164
20250226_1943	0.1	108
20250226_1953	0.4	141
20250226_2003	0.1	125
20250226_2013	0.1	69
20250226_2023	0.1	79
20250226_2033	0.1	128
20250226_2043	0.1	111
20250226_2053	0.1	127
20250226_2103	0.1	91
20250226_2113	0.1	107
20250226_2123	0.1	98
20250226_2133	0.1	68
20250226_2143	0.1	86
20250226_2153	0.1	262
20250226_2203	0.1	103
20250226_2213	0.1	100
20250226_2223	0.1	296
20250226_2233	0.2	338
20250226_2243	0.7	42
20250226_2253	0.6	343
20250226_2303	0.2	36
20250226_2313	1.7	55
20250226_2323	0.4	206
20250226_2333	7.1	5
20250226_2343	0.1	109
20250226_2353	0.3	314

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250227_0003	0.6	87
20250227_0013	0.5	16
20250227_0023	0.3	330
20250227_0033	1.3	349
20250227_0043	0.6	39
20250227_0053	0.5	334
20250227_0103	2.9	44
20250227_0113	0.3	331
20250227_0123	0.1	106
20250227_0133	3.7	48
20250227_0143	0.2	135
20250227_0153	0.1	35
20250227_0203	0.2	11
20250227_0213	0.1	83
20250227_0223	0.3	69
20250227_0233	0.1	284
20250227_0243	0.1	100
20250227_0253	0.1	206
20250227_0303	0.1	259
20250227_0313	0.1	282
20250227_0323	0.1	233
20250227_0333	0.1	300
20250227_0343	0.1	255
20250227_0353	1	143
20250227_0403	1.1	308
20250227_0413	0.9	13
20250227_0423	0.2	348
20250227_0433	1.8	339
20250227_0443	0.1	168
20250227_0453	0.2	307
20250227_0503	0.1	118
20250227_0513	0.1	146
20250227_0523	0.1	286
20250227_0533	0.1	100
20250227_0543	0.1	299
20250227_0553	0.1	153
20250227_0603	0.1	282
20250227_0613	0.1	163
20250227_0623	0.1	126
20250227_0633	0.1	136
20250227_0643	0.1	180
20250227_0653	0.3	79
20250227_0703	1.3	129
20250227_0713	0.5	90
20250227_0723	0.6	131
20250227_0733	0.1	312
20250227_0743	0.1	21
20250227_0753	0.1	334
20250227_0803	0.1	332
20250227_0813	0.1	58
20250227_0823	0.2	101
20250227_0833	0.1	188
20250227_0843	0.2	89
20250227_0853	0.4	107
20250227_0903	0.1	121
20250227_0913	0.1	308
20250227_0923	0.1	8
20250227_0933	0.1	153
20250227_0943	0.1	126
20250227_0953	0.6	137
20250227_1003	0.4	53
20250227_1013	0.1	93
20250227_1023	0.6	348
20250227_1033	0.1	149
20250227_1043	0.6	39
20250227_1053	1	64
20250227_1103	0.5	158
20250227_1113	1	339
20250227_1123	0.2	19
20250227_1133	0.5	347
20250227_1143	0.3	134
20250227_1153	0.8	329

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250227_1203	0.1	300
20250227_1213	1.2	52
20250227_1223	0.7	9
20250227_1233	1.1	98
20250227_1243	0.9	182
20250227_1253	1	8
20250227_1303	0.3	44
20250227_1313	0.7	37
20250227_1323	1.7	302
20250227_1333	0.1	146
20250227_1343	1	98
20250227_1353	0.6	97
20250227_1403	2.9	341
20250227_1413	0.1	249
20250227_1423	0.1	127
20250227_1433	0.1	343
20250227_1443	1	46
20250227_1453	3.5	185
20250227_1503	7.5	148
20250227_1513	0.1	336
20250227_1523	3.6	114
20250227_1533	0.1	189
20250227_1543	2.6	128
20250227_1553	0.2	135
20250227_1603	2.6	99
20250227_1613	2.3	104
20250227_1623	0.7	112
20250227_1633	1.5	118
20250227_1643	1.2	176
20250227_1653	0.1	199
20250227_1703	0.3	215
20250227_1713	0.1	65
20250227_1723	0.2	150
20250227_1733	0.1	148
20250227_1743	3.8	113
20250227_1753	0.3	125
20250227_1803	0.5	119
20250227_1813	0.4	87
20250227_1823	1	78
20250227_1833	1.1	122
20250227_1843	0.6	119
20250227_1853	0.1	118
20250227_1903	0.1	53
20250227_1913	0.5	112
20250227_1923	0.6	50
20250227_1933	0.8	126
20250227_1943	0.5	144
20250227_1953	0.3	95
20250227_2003	0.1	23
20250227_2013	0.1	6
20250227_2023	0.1	35
20250227_2033	0.1	142
20250227_2043	0.1	95
20250227_2053	0.1	121
20250227_2103	0.2	138
20250227_2113	0.1	156
20250227_2123	0.8	120
20250227_2133	0.1	141
20250227_2143	0.3	34
20250227_2153	0.1	90
20250227_2203	0.1	28
20250227_2213	0.1	106
20250227_2223	0.2	76
20250227_2233	0.2	120
20250227_2243	0.2	182
20250227_2253	0.1	353
20250227_2303	0.1	131
20250227_2313	0.4	52
20250227_2323	0.1	45
20250227_2333	6	147
20250227_2343	0.3	145
20250227_2353	2.3	106

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250228_0003	0.4	208
20250228_0013	0.1	136
20250228_0023	0.3	161
20250228_0033	0.7	28
20250228_0043	0.1	83
20250228_0053	0.1	147
20250228_0103	0.2	97
20250228_0113	2.1	155
20250228_0123	0.7	165
20250228_0133	0.1	269
20250228_0143	0.1	67
20250228_0153	0.2	197
20250228_0203	2.9	183
20250228_0213	0.7	161
20250228_0223	0.4	57
20250228_0233	0.1	4
20250228_0243	0.1	258
20250228_0253	0.1	229
20250228_0303	0.1	99
20250228_0313	0.1	159
20250228_0323	0.1	77
20250228_0333	0.1	34
20250228_0343	0.1	191
20250228_0353	0.1	66
20250228_0403	0.1	133
20250228_0413	0.1	112
20250228_0423	0.1	132
20250228_0433	0.2	121
20250228_0443	0.1	129
20250228_0453	0.1	100
20250228_0503	0.1	117
20250228_0513	0.1	96
20250228_0523	0.1	112
20250228_0533	0.1	69
20250228_0543	0.1	68
20250228_0553	0.1	128
20250228_0603	0.1	89
20250228_0613	0.1	77
20250228_0623	0.1	90
20250228_0633	0.1	127
20250228_0643	0.1	115
20250228_0653	0.1	91
20250228_0703	0.1	69
20250228_0713	0.1	122
20250228_0723	0.1	108
20250228_0733	0.1	150
20250228_0743	0.1	146
20250228_0753	0.1	138
20250228_0803	0.1	142
20250228_0813	0.1	136
20250228_0823	0.1	141
20250228_0833	0.1	131
20250228_0843	0.1	132
20250228_0853	0.1	148
20250228_0903	0.4	79
20250228_0913	0.1	122
20250228_0923	0.1	124
20250228_0933	0.2	155
20250228_0943	0.1	176
20250228_0953	0.5	123
20250228_1003	0.1	333
20250228_1013	0.8	274
20250228_1023	0.5	139
20250228_1033	0.1	251
20250228_1043	0.2	44
20250228_1053	0.6	7
20250228_1103	0.5	63
20250228_1113	0.2	28
20250228_1123	2.3	347
20250228_1133	0.1	78
20250228_1143	0.5	7
20250228_1153	1.5	111

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20250228_1203	0.3	19
20250228_1213	2.1	97
20250228_1223	0.2	289
20250228_1233	0.9	296
20250228_1243	2.4	329
20250228_1253	4.8	64
20250228_1303	1.1	77
20250228_1313	0.8	50
20250228_1323	1.5	22
20250228_1333	0.3	71
20250228_1343	0.1	211
20250228_1353	2.5	322
20250228_1403	0.5	268
20250228_1413	0.8	83
20250228_1423	0.5	120
20250228_1433	7.6	45
20250228_1443	2.8	36
20250228_1453	0.5	37
20250228_1503	2.7	348
20250228_1513	0.2	296
20250228_1523	0.1	106
20250228_1533	1.2	58
20250228_1543	2.2	33
20250228_1553	2.4	131
20250228_1603	0.4	109
20250228_1613	0.9	165
20250228_1623	0.3	12
20250228_1633	0.3	42
20250228_1643	0.3	349
20250228_1653	0.1	112
20250228_1703	0.1	35
20250228_1713	0.8	34
20250228_1723	1.6	334
20250228_1733	0.1	41
20250228_1743	0.9	92
20250228_1753	0.1	163
20250228_1803	0.1	150
20250228_1813	0.4	117
20250228_1823	0.7	102
20250228_1833	0.3	56
20250228_1843	0.1	122
20250228_1853	0.4	116
20250228_1903	0.1	94
20250228_1913	0.2	49
20250228_1923	0.5	95
20250228_1933	0.3	114
20250228_1943	0.1	157
20250228_1953	0.1	187
20250228_2003	0.1	52
20250228_2013	0.8	105
20250228_2023	0.4	112
20250228_2033	0.1	155
20250228_2043	0.1	13
20250228_2053	0.4	113
20250228_2103	1.2	108
20250228_2113	0.1	152
20250228_2123	0.3	108
20250228_2133	0.1	308
20250228_2143	0.1	14
20250228_2153	0.1	303
20250228_2203	0.8	153
20250228_2213	0.2	63
20250228_2223	0.1	118
20250228_2233	0.1	85
20250228_2243	0.2	20
20250228_2253	3.4	291
20250228_2303	0.4	292
20250228_2313	0.1	166
20250228_2323	0.1	151
20250228_2333	0.1	138
20250228_2343	0.2	107
20250228_2353	0.1	105

Appendix J Waste Flow Table

Waste Flow Table (2025)

Month	Total Quantity Generated	Total Quantities of Inert C&D Materials to be Generated from the Contract					Total Quantities of Recyclables Generation				Total Quantities of C&D Materials to be Generated from the Contract		
		Hard Rock and Large Broken Concrete	Reused in the Contract	Reused in Other Projects	Disposed as Public Fill	Imported Fill	Metals	Paper / Cardboard Packaging	Plastics	Yard Waste (to Y-Park)	Chemical Waste	General Refuse	Others, e.g. non-recyclable yard waste
	(in tonne)	(in tonne)	(in tonne)	(in tonne)	(in tonne)	(in tonne)	(in tonne)	(in tonne)	(in tonne)	(in tonne)	(in '000L)	(in tonne)	(in tonne)
Jan-25	168,652.78	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
Total	458,062.18	0.00	169,067.42	287,503.00	0.00	964.63	0.00	0.00	0.00	0.00	0.00	203.43	323.70

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:

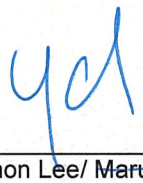
1. 20 January 2025 Observation 1 - The unpaved access haul road was compacted and was wetted by water truck at Portion E3.
2. 20 January 2025 Observation 3 - Demolished trees were removed from the drainage channel between Shak Tsai Ha Road.
3. 20 January 2025 Observation 4 - Silt removal facility was maintained at Portion E3-1.

Observation(s):

1. Wastes are observed in the ST3 of Portion E3-1.

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

1. The Contractor has been reminded that ST3 should be maintained and cleaned regularly to ensure its efficiency at Portion E3-1.

	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:	3 February 2025	/	3 February 2025	3 February 2025

Follow up action for previous Site Inspection:

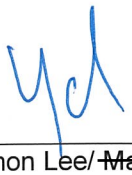
1. 16 December 2024 Observation 2 - Water spraying was provided at the platform and the unpaved access road of Portion B2-E1. Temporary speed limit sign and training for driver were provided.
2. 30 December 2024 Observation 1 - Water truck was arranged and provided for watering the unpaved access road at SBA and Portion B2-E1.
3. 6 January 2025 Observation 1 - Watering was provided in the unpaved access haul roads and work areas at Portions B2-E1, A, and SBA.
4. 13 January 2025 Observation 1 - Watering and water truck were provided at Portion A and E3.
5. 20 January 2025 Observation 1 - The unpaved access haul road was compacted and was wetted by water truck at Portion E3 and E4.
6. 20 January 2025 Observation 2 - The deposited silt and grit were removed, and wheel washing area was relocated with in Portion E4.
7. 27 January 2025 Observation 1 - Water truck was provided at the access road at Portion E3
8. 27 January 2025 Observation 2 - The chemical containers were removed at Portion A.
9. 3 February 2025 Observation 1 - Wastes were removed from the ST3 of Portion E3-1.

Observation(s):

1. Unpaved haul road is dry, and fugitive dust is observed at Portion B2-E1, E3-1 and E4.
2. Wheel- washing should be provided before leaving construction site at Portion B2-E1.
3. Loaded dump truck should be covered by mechanical cover before leaving construction site.
4. The accumulated waste is observed on the floor at Portion A.

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

1. The Contractor has been advised that watering (e.g. water sparkler or water truck) and compaction should be provided and arranged to minimize dust dispersion at Portions B2-E1, E3-1, E3-1A, and E4.
2. The Contractor has been advised that wheel-washing should be provided at Portion B2-E1 to ensure that every vehicle is washed before leaving the construction site to remove dusty materials from its body and wheels.
3. The Contractor has been reminded that loaded dump trucks should be covered with impervious sheeting before leaving the construction site.
4. The Contractor has been reminded that enough enclosed bins and waste skips should be provided to ensure proper collection of general and C&D waste.

	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:	10 February 2025	/	10 February 2025	10 February 2025

Follow up action for previous Site Inspection:

1. 10 February 2025 Observation 1 – Water truck was provided and arranged at Portion B2-E1, E3-1 and E4.
2. 10 February 2025 Observation 4 – Wastes were disposed at Portion A.

Observation(s):

1. The haul road and work area are dry, and fugitive dust is observed at Portion E3-1A.
2. Every vehicle should be washed before leaving the construction site at Portion E4.

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

1. The Contractor has been advised to increase the frequency of watering on the haul road and to provide watering around work activities at Portion E3-1A to minimize dust dispersion.
2. The Contractor has been recommended that the wheel-washing area should be located within the construction site of Portion E4 to prevent silt water runoff.

	Environmental Team's Representative:	Independent Environmental Checker's Representative:	Contractor's Representative:	Employee's Representative
Signature:				
Name:	Joan Lo	Echo Hung	Matt Choy/~~Kristy~~ Wong/ Kyrie Wong	Simon Lee/ ~~Marus Tam/Kenneth Lam/ Saga Lam~~
Date:	17 February 2025	17 February 2025	17 February 2025	17 February 2025

Follow up action for previous Site Inspection:

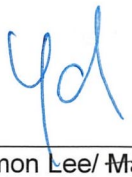
1. 10 February 2025 Observation 2 – High pressure water jet was provided at the site exits of Portion B2-E1.
2. 10 February 2025 Observation 3 – Training was held on the requirement that loaded dump trucks should be covered with a mechanical cover before leaving the construction site.
3. 17 February 2025 Observation 1 – Water truck was provided for site watering at Portion E3-1A.

Observation(s):

1. Stagnant water and silt are observed in and around the drip tray at Portion A.

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

1. The Contractor has been advised that stagnant water and silt should be removed and that the location of the drip tray should be properly revised 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:	24 February 2025	/	24 February 2025	24 February 2025

Appendix L Environmental Mitigation Implementation Schedule (EMIS)

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

Remarks:

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

EIA Ref.	EM&A Log Ref	Weekly Site Inspection Item	Recommended Precautionary/Mitigation Measures (to be implemented when the trigger level is exceeded, where necessary)	Objectives of the Recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	What requirement or standards for the measures to achieve?	Status
Construction Runoff (Cont'd)								
S5.8.1	S5.2.1	D5	• (a) The overall slope of the site should be kept to a minimum to reduce the erosive potential of surface water flows, and (b) all traffic areas and access roads protected by coarse stone ballast. An additional advantage accruing from the use of crushed stone is the positive traction gained during prolonged periods of inclement weather and the reduction of surface sheet flows.	Control construction runoff and erosion from site surface, drainage channel, stockpiles, wheel washing facilities, etc to minimize water quality during construction stage	Contractor	Entire Construction site	ProPECC PN 1/94 DSD Technical Circular TC01/2017 Water Pollution Control Ordinance	(a) ✓ (b) ✓
		D6	• (a) All drainage facilities and erosion and sediment control structures should be regularly inspected and (b) maintained to ensure proper and efficient operation at all times and particularly following rainstorms. (c) Deposited silt and grit should be removed regularly and disposed of by spreading evenly over stable, vegetated areas.					(a) ✓ (b) ✓ (c) ✓
		D7	• (a) Measures should be taken to minimise the ingress of site drainage into excavations. If the excavation of trenches in wet periods is necessary, they should be dug and backfilled in short sections wherever practicable. (b) Water pumped out from trenches or foundation excavations should be discharged into storm drains via silt removal facilities.					(a) ✓ (b) ✓
		D8	• Open stockpiles of construction materials (for example, aggregates, sand and fill material) of more than 50 m^3 should be covered with tarpaulin or similar fabric during rainstorms. Measures should be taken to prevent the washing away of construction materials, soil, silt or debris into any drainage system.					✓
		D9	• (a) Manholes (including newly constructed ones) should always be adequately covered and temporarily sealed so as (b) to prevent silt, construction materials or debris being washed into the drainage system and storm runoff being directed into foul sewers.					(a) ✓ (b) ✓
		D10	• Precautions to be taken at any time of year when rainstorms are likely, actions to be taken when a rainstorm is imminent or forecasted, and actions to be taken during or after rainstorms are summarised in Appendix A2 of ProPECC PN 1/94. Particular attention should be paid to the control of silly surface runoff during storm events, especially for areas located near steep slopes.					✓
		D11	• (a) All vehicles and plant should be cleaned before leaving a construction site to ensure no earth, mud, debris and the like is deposited by them on roads. (b) An adequately designed and sited wheel washing bay should be provided at every construction site exit. (c) Wash-water should have sand and silt settled out and removed at least on a weekly basis (d) to ensure the continued efficiency of the process. (e) The section of access road leading to, and exiting from, the wheel-wash bay to the public road should be paved with sufficient backfall toward the wheel-wash bay to prevent vehicle tracking of soil and silly water to public roads and drains.					(a) ✓ (b) ✓ (c) ✓ (d) ✓ (e) ✓
		D12	• (a) Oil interceptors should be provided in the site drainage system downstream of any oil/fuel pollution sources. (b) The oil interceptors should be emptied and cleaned regularly to prevent the release of oil and grease into the storm water drainage system after accidental spillage. (c) A bypass should be provided for the oil interceptors to prevent flushing during heavy rain.					(a) N/A (b) N/A (c) N/A
		D13	• Construction solid waste, debris and rubbish on site should be collected, handled and disposed of properly to avoid water quality impacts. Requirements for solid waste management are detailed in Section 6 of this Report.					✓
		D14	• All fuel tanks and storage areas should be provided with docks and sited on sealed areas, within bunds of a capacity equal to 110% of the storage capacity of the largest tank to prevent spilled fuel oils from reaching water sensitive receivers nearby.					✓
		D15	• To prevent pollution risks arising from works area (waste reception area) and haul roads, intercepting bund or barrier along the roadside should be constructed.					✓
		D19	<u>Sewage Effluent from Workforce</u> • (a) Portable chemical toilets and sewage holding tanks are recommended for handling the construction sewage generated by the workforce. (b) A licensed contractor should be employed to provide appropriate and adequate portable toilets and be responsible for appropriate disposal and maintenance.					(a) ✓ (b) ✓
		D20	• Notices will be posted at conspicuous locations to remind the workers not to discharge any sewage or wastewater into the nearby environment during the construction phase of the Project.					N/A

Remarks:

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

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

Remarks:

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

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

Remarks:

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

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

Remarks:

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

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

Remarks:

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

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

Remarks:

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

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

Remarks:

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

Appendix M Mitigation Measures of Cultural Landscape Features

Completed Site Fencing

SITE BOUNDARY

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

Environmental Complaints Log

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

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

Complaint Ref. No.	Date of Complaint Received	Received from	Received by	Aspect of Complaint	Date of Investigation	Investigation Summary & Conclusion	Date of Reply
C005_20230818	18 Aug 2023	EPD-RNG	ET	Water Quality	18 Sep 2023	It was noted from EPD-RNG's email to the ET on 18 August 2023 that EPD received information regarding the muddy water was observed at River Ganges (GR3) (Water Quality Monitoring Location from EPD) on 14 August 2023. In summary of the investigation, the complaint is project related. It viewed that muddy water arising from wheel washing water from the site entrance at Portion E4 & Runoff from Existing Channel near Portion E3-1 & discharge water from the silt removal facilities at Portion E3-1 eventually flows into the box culvert under Wo Keng Shan Road, WM2 and ultimately to GR3. The related rectified actions had been conducted by the contractor.	13 October 2023
C006_20230914	14 Sep 2023	EPD-RNG	ET	Water Quality	18 Sep 2023	It was noted from EPD-RNG's email to the ET on 14 September 2023 that EPD received information regarding the muddy water was observed at River Ganges (GR3) (Water Quality Monitoring Location from EPD) on 11 September 2023. In summary of the investigation, the complaint is project related. It viewed that muddy water arising from wheel washing water from the site entrance at Portion E4 & Runoff from Existing Channel near Portion E3-1 & discharge water from the silt removal facilities at Portion E3-1 eventually flows into the box culvert under Wo Keng Shan Road, WM2 and ultimately to GR3. The related rectified actions had been conducted by the contractor.	13 October 2023
C007_20240509	9 May 2024	EPD-RNG	ET	Water Quality	13 May 2024	It was noted from EPD-RNG's email to the ET on 9 May 2024 that EPD receipted a memo from DSD/Mainland North regarding the incident of muddy water observed in Ping Yuen River, at the downstream of NENTX, on 23 April 2024. In summary of the investigation, the muddy water at the complaint location involved multi-potential sources (including the construction runoff of the project and runoff from existing landfill) based on the distance between the outlet of the project discharge point and the complaint location (distance around 1.16 km). The mitigation measures are recommended and reminded to implement and review by the contractor.	16 July 2024
C000_20241128	28 Nov 2024	EPD-RNG	ET	Water Quality	2 & 5 Dec 2024	It was noted from EPD-RNG's email to the ET on 28 November 2024 regarding the incident of muddy water observed in Ping Yuen River, at the downstream of NENTX, on 13 November 2024. The relevant investigation is conducting by the related parties. The investigation results will be presented when the investigation has been completed.	TBC

Remarks:

1. "ET" equal to "Environmental Team"

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

Environmental Enquiries Log

Enquiry Ref. No.	Date of Enquiry Received	Received from	Received by	Aspect of Complaint	Date of Investigation	Investigation Summary & Conclusion	Date of Reply
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* & 1#)
Waste Management	0	0	0
Total	8(2* & 1#)	0	8(2* & 1#)

Remarks:

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

Prepared by:

Aurecon Hong Kong Limited

Unit 1608, 16/F, Tower B, Manulife Financial Centre,

223 – 231 Wai Yip Street, Kwun Tong,

Kowloon Hong Kong S. A. R.

T: +852 3664 6888

F: +852 3664 6999

E: hongkong@aurecongroup.com

aurecon

Bringing ideas to life