Agreement No. CE 20/2004(EP) North East New Territories (NENT) Landfill Extension

Monthly Environmental Monitoring and Audit Report (No. 22) – September 2024

2024-10-14

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Our Ref.: CL/91823/1736-VES
Date: 14 October 2024

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.22) – September 2024

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.22) – September 2024" dated 14 October 2024.

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

Yours faithfully
MEINHARDT INFRASTRUCTURE AND ENVIRONMENT LTD

Claudine Lee
Independent Environmental Checker

Aurecon Hong Kong Limited
Unit 1608, 16/F, Tower B,
Manulife Financial Centre,
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Ref: P521530-0000-REP-NN-0095

By Email

14 October 2024

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.22) – September 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.22) – September 2024 r1" dated 14 October 2024 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.22) – September 2024 r1

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

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

Contents

Figure

Appendix

Executive Summary

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

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

ES3. This 22nd Monthly EM&A Report presents the EM&A works conducted from 1 to 30 September 2024 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

Environmental Monitoring and Audit Progress

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

ES Table2 Summary of the Monitoring Activities during the Reporting Period

	Items	Times	Date
-	Air Quality Monitoring during normal weekdays at each monitoring station	6 times	2, 7, 13, 19, 25 & 30 September 2024
-	Construction Noise Monitoring during normal weekdays at each monitoring station	5 times	2, 13, 19 (Only at NM1a), 25, 26 (Only at NM2a) & 30 September 2024
-	Surface Water Quality Monitoring during normal weekdays at each monitoring station	1 time	13 (at WM2) & 25 (at WM1) September 2024
-	Landfill Gas Monitoring during normal weekdays for Construction Works	24 times	2 to 7, 9 to 14, 16 to 17, 19 to 21, 23 to 28, 30 September 2024
-	Joint Environmental Site Inspection	5 times	2, 9, 16, 23 & 30 September 2024
-	EPD-RNG Site Inspection	2 times	3 & 30 September 2024

Remarks:
1. Due to the mowing issue, the surface water quality monitoring at WM1(Original monitoring date: 13 Sep 2024) and noise monitoring at NM2a (Original monitoring date: 19 Sep 2024) were arranged to 25 Sep 2024 and 26 Sep 2024 respectively.

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/Complaint/Summons and Prosecution

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

Reporting Change

ES8. There was no reporting change in the reporting period.

Future Key Issues

ES9. 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

ES10. 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 22nd Monthly EM&A Report which summarises the impact monitoring results and audit findings for the EM&A programme during the reporting period from 01 to 30 September 2024.

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

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-RN0702-24	18 September 2024	Permit granted on 17 June 2024
	GW-RN1050-24	18 December 2024	Permit granted on 6 September 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	6 times	2, 7, 13, 19, 25 & 30 September 2024
- Construction Noise Monitoring during normal weekdays at each monitoring station	5 times	2, 13, 19 (Only at NM1a), 25, 26 (Only at NM2a) & 30 September 2024
- Surface Water Quality Monitoring during normal weekdays at each monitoring station	1 time	13 (at WM2) & 25 (at WM1) September 2024
- Landfill Gas Monitoring during normal weekdays for Construction Works	24 times	2 to 7, 9 to 14, 16 to 17, 19 to 21, 23 to 28, 30 September 2024
- Joint Environmental Site Inspection	5 times	2, 9, 16, 23 & 30 September 2024
- EPD-RNG Site Inspection	2 times	3 & 30 September 2024

Remarks:
1. Due to the mowing issue, the surface water quality monitoring at WM1(Original monitoring date: 13 Sep 2024) and noise monitoring at NM2a (Original monitoring date: 19 Sep 2024) were arranged to 25 Sep 2024 and 26 Sep 2024 respectively.

Air Quality

2.5.2 6 sets of 1-hr & 24-hr TSP construction dust measurement were carried out at each monitoring stations during normal weekdays of the reporting period. No Action / Limit Level exceedance for 1-hr & 24-hr TSP impact monitoring was recorded during the period.

Noise

2.5.3 5 sets of 30-minute construction noise measurement were carried out at each monitoring stations during normal weekdays of the reporting period. No exceedance of Action and Limit Levels of construction noise was recorded during the reporting period.

Groundwater

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

Surface Water Quality

2.5.5 1 set of surface water quality measurement were carried out at each monitoring stations during normal weekdays of the reporting period. No exceedance of Action and Limit Levels of surface water quality at each monitoring stations was recorded during the reporting period.

Landfill Gas

2.5.6 24 sets of landfill gas measurement were carried out at the designated monitoring locations during normal weekdays of the reporting period. No exceedance of Action and Limit Levels of landfill gas was recorded during the reporting period.

Landscape and Visual

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

Cultural Heritage

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

Ecology

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

Environmental Site Inspection

2.5.10 5 weekly environmental site inspections were carried out during the reporting period. A joint environmental site inspection was carried out by the representatives of the Employer's Representative (ER), the Contractor, IEC and the ET on 16 September 2024. The Contractor has generally implemented part of the mitigation measures as recommended. Two 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)	21 Oct 2024	AM1
	TE-5170X (S/N: 1106)		AM2
	TE-5170X (S/N: 1856)		AM3
Direct Reading Dust Meter	Sibata LD-5R (S/N: 0Z4545)	27 Nov 2024	AM1 to AM3
	Sibata LD-5R (S/N: 882106)		
	Sibata LD-5R (S/N: 942532)		
Calibration Kit (for HVS)	TE-5025A (S/N: 3465)	15 Jan 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
Sep 2024	26 (12 – 34)	43 (29 – 59)	50 (37 – 62)
Action Level	**>285**	**>279**	**>285**
Limit Level	**>500**		

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

Month	Average 24-hr TSP Concentration, µg/m³ (Range)		
	Dust Monitoring Station		
	AM1	AM2	AM3
Sep 2024	108 (101 – 117)	109 (98 – 123)	117 (110 – 129)
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	RS PRO RS-90 (S/N: 210722208)	12 Feb 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
September 2024	59.5 (59.0 – 60.3)	57.6 (55.4 – 59.0)
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: 24G101659)	16 Nov 2024
Water Flow Meter	Global Water FP211 (S/N: 22K100859)	24 Jan 2025

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 on 25 September 2024 and at WM2 on 13 September 2024. 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	7.0	>7.7	>7.8	7.3	>7.6	>7.7
DO in mg/L	8.6	<7.4	<4	8.9	<5	<4
Turbidity in NTU	4.2	>9.2	>9.5	14.2	>108.3	>108.9
Electrical Conductivity in µS/cm	47	---	---	155	---	---
SS in mg/L	2.9	>9.7	>11.4	10.6	>94.5	>94.7
Alkalinity in mg/L	12	---		42	---	
COD in mg/L	<5			7		
BOD_5 in mg/L	<2			<2		
TOC in mg/L	1			2		
Ammonia-nitrogen in mg/L	0.02			0.09		
TKN in mg/L	0.3			0.4		
Nitrate in mg/L	0.08			0.23		
Sulphate in mg/L	2			26		
Sulphite in mg/L	<2			<2		
Phosphorus in mg/L	0.02			<0.01		
Chloride in mg/L	5			4		
Sodium in µg/L	5940			5290		
Magnesium in µg/L	460			1530		
Calcium in µg/L	2520			22400		
Potassium in µg/L	670			1940		
Iron in µg/L	220			380		
Nickel in µg/L	<1			<1		
Zinc in µg/L	<10			16		
Manganese in µg/L	21			578		
Copper in µg/L	1.0			2		
Lead in µg/L	<1			<1		
Cadmium in µg/L	<0.2			<0.2		
Coliform Count in cfu/100mL	230			Not Detected		
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 24,837.59 tonnes of C&D materials was reused in the project site. A total of 28,116 tonnes of C&D materials was reused at alternative disposal ground (NENT Landfill) during the reporting period. A total of 3,663 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 26.76 tonnes of general refuse and a total of 5.47 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

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	Expiry Date
CH_4, CO_2 & O_2	Gas Analyser	Blackline Safety G7C-EU2 (S/N: 3571220922)	27 Jan 2025

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 during the reporting period (Conducted on working days). The LFG monitoring results are summarized in **Table 7-5.**

Table 7-5 Summary of LFG Monitoring Results

LFG Monitoring Station	Monitoring Date	Monitoring Parameter(s)			
		CH_4 in %	LEL in %/v	CO_2 in %	O_2 in %
		Average Monitoring Results			
Portion A +50 mpD to 70 mpD Platform	2 Sep 2024	0	0	0	20.1
	3 Sep 2024	0	0	0	20.1
	4 Sep 2024	0	0	0	20.1
	5 Sep 2024	0	0	0	20.1
	6 Sep 2024	0	0	0	20.0
	7 Sep 2024	0	0	0	20.1
	9 Sep 2024	0	0	0	20.1
	10 Sep 2024	0	0	0	20.1
	11 Sep 2024	0	0	0	20.1
	12 Sep 2024	0	0	0	20.0
	13 Sep 2024	0	0	0	20.1
	14 Sep 2024	0	0	0	20.1
	16 Sep 2024	0	0	0	20.1
	17 Sep 2024	0	0	0	20.1
	19 Sep 2024	0	0	0	20.1
	20 Sep 2024	0	0	0	20.0
	21 Sep 2024	0	0	0	20.1
	23 Sep 2024	0	0	0	20.1
	24 Sep 2024	0	0	0	20.1
	25 Sep 2024	0	0	0	20.1
	26 Sep 2024	0	0	0	20.1
	27 Sep 2024	0	0	0	20.1
	28 Sep 2024	0	0	0	20.1
	30 Sep 2024	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 7-6**.

Table 7-6 Summary of Landfill Gas Exceedance during the Reporting Period

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

Remarks: * equal to non-project related

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

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

7.6 Recommended Mitigation Measures

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

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

8 Landscape and Visual

8.1 Monitoring Requirement

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

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

8.2 Result and Observation

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

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

9 Cultural Heritage

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

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

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

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

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

10 Ecological Monitoring

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

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

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

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

Table 10-1 Milestone of the Ecological Monitoring

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

11 Site Inspection and Audit

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

11.1.2 Weekly ET environmental site inspections were conducted in the reporting period on 02, 09, 16, 23 & 30 September 2024. A joint environmental site inspection was carried out by the representatives of the ER, the Contractor, IEC and the ET on 16 September 2024. The joint environmental site inspection records are shown in **Appendix K**. There was no noncompliance recorded during the site inspections.

11.1.3 Major findings and recommendations are summarized as follows:

02 September 2024

Reminder(s):

1. The Contractor was reminded that the precautions should be taken in accordance with Appendix A2 of ProPECC PN 1/94.

2. The Contractor was reminded that the exposed slope surface at Portion B2-1 should not only be covered with a green net, but also with tarpaulin sheets for short-term and shotcrete for long-term slope protection, to prevent silty stormwater runoff.

3. The Contractor was reminded that the excavation materials near the u-channel should be removed and kept away from the u-channel, and that sandbag barriers should be provided near the u-channel to minimize the excavation materials from entering the drainage system at Portion B2-1 directly when a rainstorm occurs.

4. The Contractor was reminded that the deposited silt and grit under the sedimentation basins at Portions B2-1 and E3-1 should be removed regularly in order to maintain the effectiveness of these sedimentation basins.

5. The Contractor was reminded that the exposed slope should be covered by green net after earthwork at Portion A.

6. The Contractor was reminded that any breaks in the slope protection should be maintained and shotcrete for long-term slope protection at SBA.

09 September 2024

Observation(s):

1. The accumulated water should be removed to the silt removal facilities at Portion A. The Contractor was reminded that accumulated water should be removed and directed to silt removal facilities for treatment at Portion A.

2. Silt fence maintenance should be conducted at SBA. The Contractor was advised to conduct silt fence maintenance regularly to ensure the silt fence around the soil stockpile areas prevents sediment from entering the system at SBA.

3. General waste should be collected and stored in the enclosed bin at SBA. The Contractor was advised to provide an enclosed bin for general waste collection at SBA.

Reminder(s):

1. The Contractor was reminded that the precautions should be taken in accordance with Appendix A2 of ProPECC PN 1/94.

2. The Contractor was reminded that the exposed slope surface at Portion B2-1 should not only be covered with a green net, but also with tarpaulin sheets for short-term and shotcrete for long-term slope protection, to prevent silty stormwater runoff.

3. The Contractor was reminded that the excavation materials near the u-channel should be removed and kept away from the u-channel, and that sandbag barriers should be provided near the u-channel to minimize the excavation materials from entering the drainage system at Portion B2-1 directly when a rainstorm occurs.

4. The Contractor was reminded that the deposited silt and grit under the sedimentation basins at Portions B2-1 and E3-1 should be removed regularly in order to maintain the effectiveness of these sedimentation basins.

5. The Contractor was reminded that the exposed slope should be covered by green net after earthwork at Portion A.

6. The Contractor was reminded that any breaks in the slope protection should be maintained and shotcrete for long-term slope protection at SBA.

16 September 2024

Observation(s):

1. The generator without NRMM label was observed at Portion E3-1. The contractor was reminded that the NRMM label should be affixed to the generator at Portion E3-1.

2. The deposited silt and grit were observed at Portion E3-1 ST3. The contractor was advised that desilting should be implemented to remove the deposited silt and grid to ensure the efficiency of ST3 at Portion E3-1.

3. The chemical container without drip tray was observed at Portion E3-1. The contractor was recommended to provide drip tray for chemical storage to prevent chemical spillage at Portion E3-1.

Reminder(s):

4. The Contractor was reminded that the precautions should be taken in accordance with Appendix A2 of ProPECC PN 1/94.

5. The Contractor was reminded that the exposed slope surface at Portion B2-1 should not only be covered with a green net, but also with tarpaulin sheets for short-term and shotcrete for long-term slope protection, to prevent silty stormwater runoff.

6. The Contractor was reminded that the excavation materials near the u-channel should be removed and kept away from the u-channel, and that sandbag barriers should be provided near the u-channel to minimize the excavation materials from entering the drainage system at Portion B2-1 directly when a rainstorm occurs.

7. The Contractor was reminded that the deposited silt and grit under the sedimentation basins at Portions B2-1 and E3-1 should be removed regularly in order to maintain the effectiveness of these sedimentation basins.

8. The Contractor was reminded that the exposed slope should be covered by green net after earthwork at Portion A.

9. The Contractor was reminded that any breaks in the slope protection should be maintained and shotcrete for long-term slope protection at SBA.

23 September 2024

Reminder(s):

1. The Contractor was reminded that the precautions should be taken in accordance with Appendix A2 of ProPECC PN 1/94.

2. The Contractor has been reminded that the exposed slope surface at Portion B2-1 should not only be covered with a green net, but also with tarpaulin sheets for short-term and shotcrete for long-term slope protection, to prevent silty stormwater runoff.

3. The Contractor has been reminded that the excavation materials near the u-channel should be removed and kept away from the u-channel, and that sandbag barriers should be provided near the u-channel to minimize the excavation materials from entering the drainage system at Portion B2-1 directly when a rainstorm occurs.

4. The Contractor has been reminded that the deposited silt and grit under the sedimentation basins at Portions B2-1 and E3-1 should be removed regularly in order to maintain the effectiveness of these sedimentation basins.

5. The Contractor has been reminded that the exposed slope should be covered by green net after earthwork at Portion A.

30 September 2024

Observation(s):

1. The accumulated water was found at waste skip and shovel bucket of SBA. The Contractor was recommended to change the angle of placing the shovel bucket and provide the cover such as impervious sheet for waste skip to minimize the potential risk for accumulation of water. The accumulated water should be removed to silt removal facilities for treatment.

Reminder(s):

1. The Contractor was reminded that the precautions should be taken in accordance with Appendix A2 of ProPECC PN 1/94.

2. The Contractor was reminded that the exposed slope surface at Portion B2-1 should not only be covered with a green net, but also with tarpaulin sheets for short-term and shotcrete for long-term slope protection, to prevent silty stormwater runoff.

3. The Contractor was reminded that the excavation materials near the u-channel should be removed and kept away from the u-channel, and that sandbag barriers should be provided near the u-channel to minimize the excavation materials from entering the drainage system at Portion B2-1 directly when a rainstorm occurs.

4. The Contractor was reminded that the deposited silt and grit under the sedimentation basins at Portions B2-1 and E3-1 should be removed regularly in order to maintain the effectiveness of these sedimentation basins.

5. The Contractor was reminded that the exposed slope should be covered by green net after earthwork at Portion A.

6. The Contractor was reminded that any breaks in the slope protection should be maintained and shotcrete for long-term slope protection at SBA.

11.1.4 Two general site inspections were conducted by Environmental Protection Department-Regional Office (North) (EPD-RNG) during reporting period.

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	
Parameters \ Level Exceedance		Action Level	Limit Level
CH_4	Exceedance Date	-	-
	Exceedance Count	0	0
CO_2	Exceedance Date	-	-
	Exceedance Count	0	0
O_2	Exceedance Date	-	-
	Exceedance Count	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 complaint was recorded during the reporting period. The cumulative statistics on environmental complaints are presented in **Table 12-5**.

Table 12-5 Cumulative Statistics on Environmental Complaints

Reporting Period		Environmental Aspects				
		Air Quality	Noise	Water Quality	Waste	Ecology
September 2024	Complaint Date	-	-	-	-	-
	No. of Complaint	0	0	0	0	0
Reporting Period Total		0	0	0	0	0
Accumulate of project		1*	0	6(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

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.

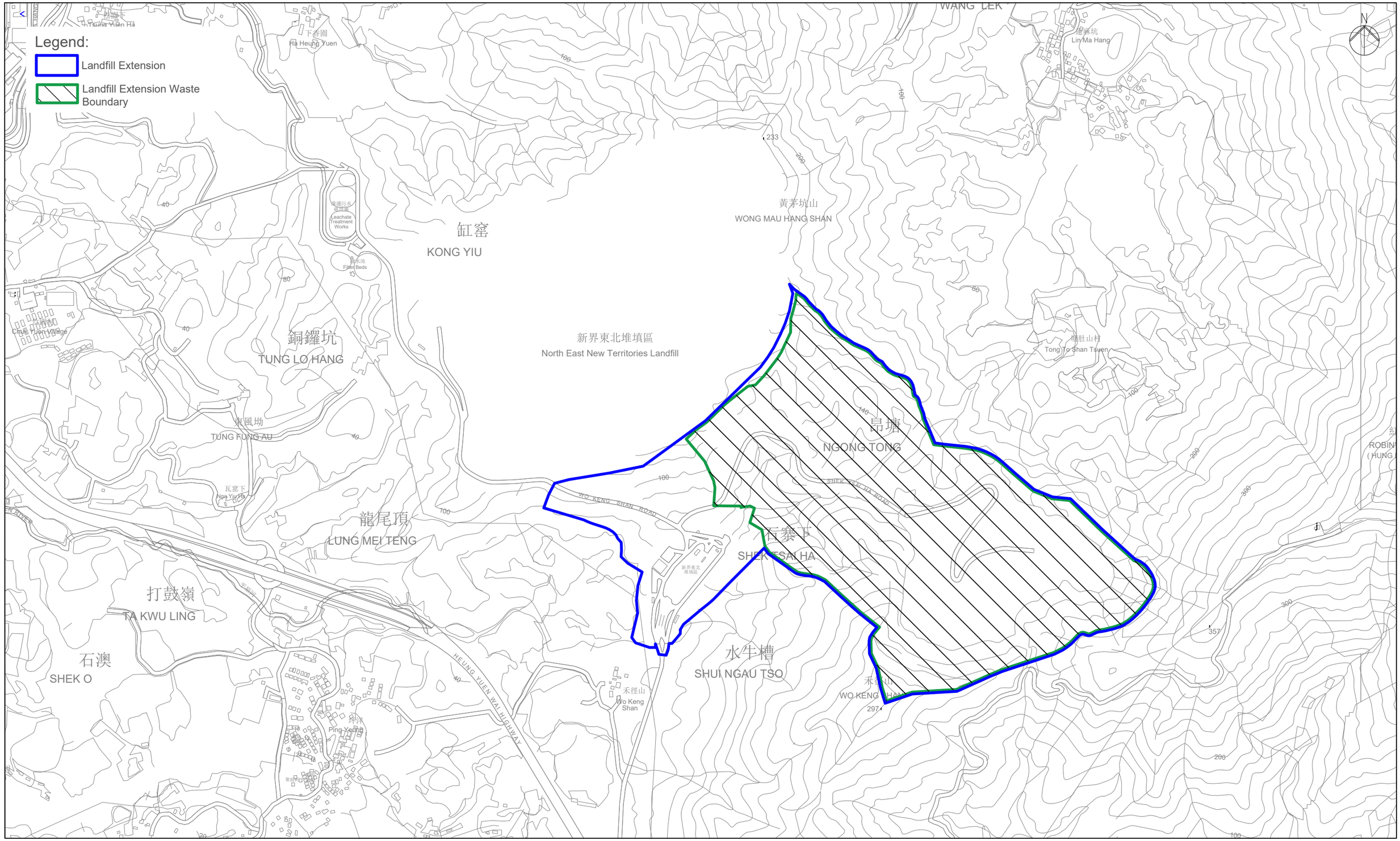
15.1.8 No complaint was recorded during the reporting period.

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

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

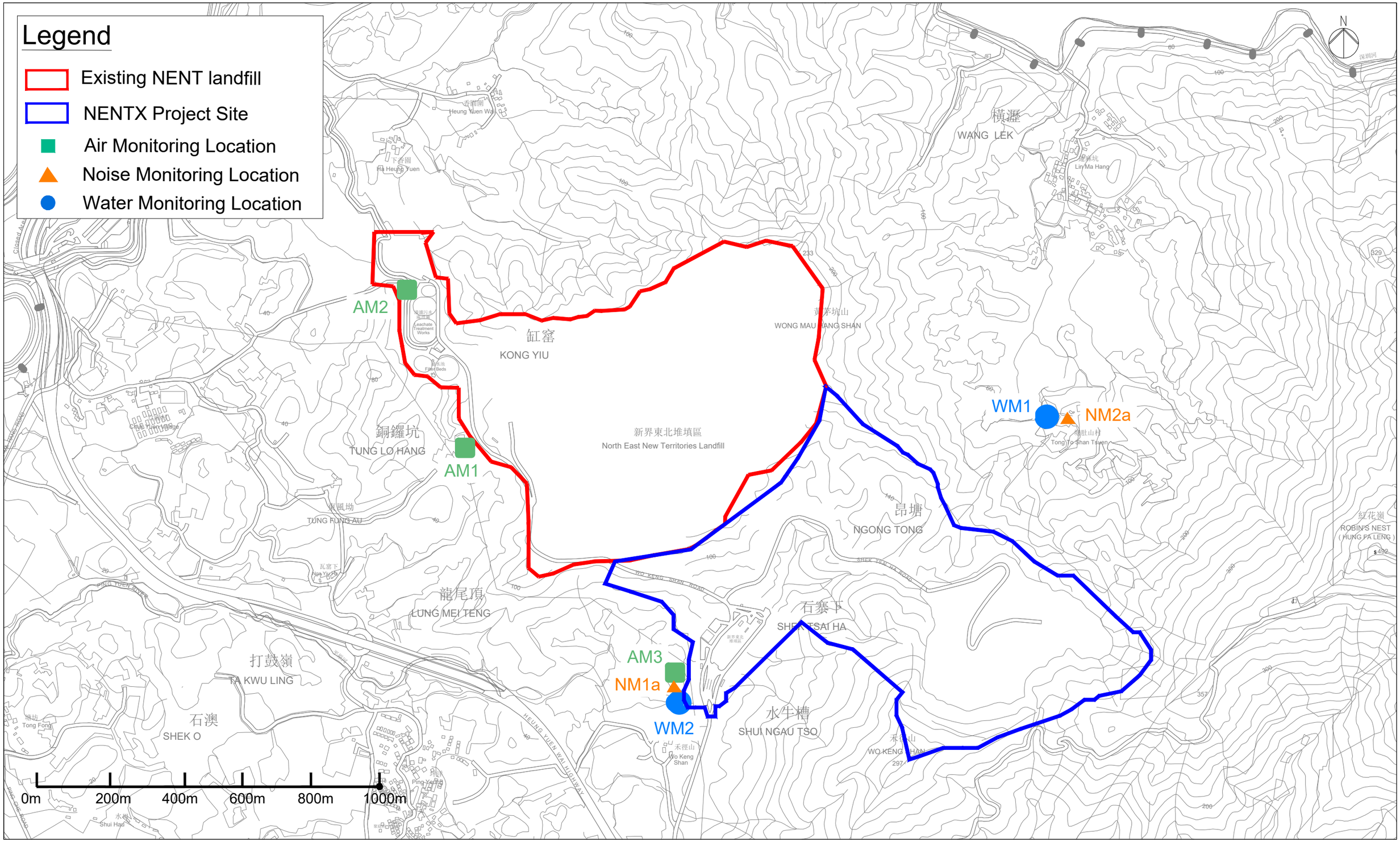
15.1.11 The ET will keep track on the EM&A programme to ensure compliance of environmental requirements and the proper implementation of all necessary mitigation measures.

Figure 1 Location of the Project Site



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

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

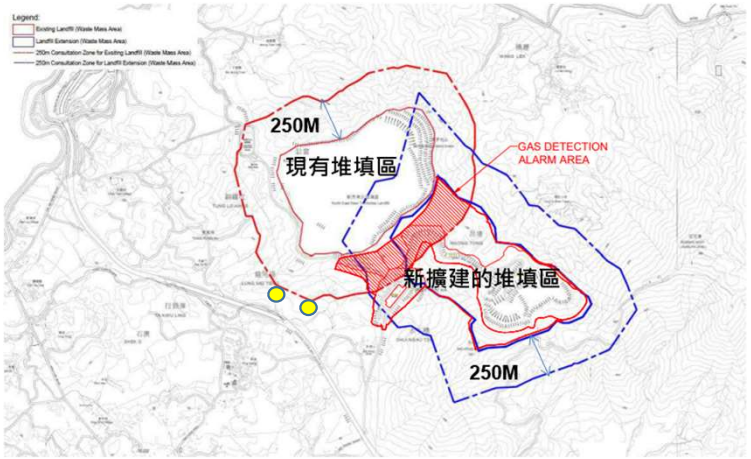


aurecon Aurecon Hong Kong Limited	North East New Territories (NENT) Landfill Extension Impact Monitoring Location	Figure 2

Figure 3 Landfill Gas Monitoring Locations

Gas Monitoring Point

Monitoring Frequency: 2 times per day



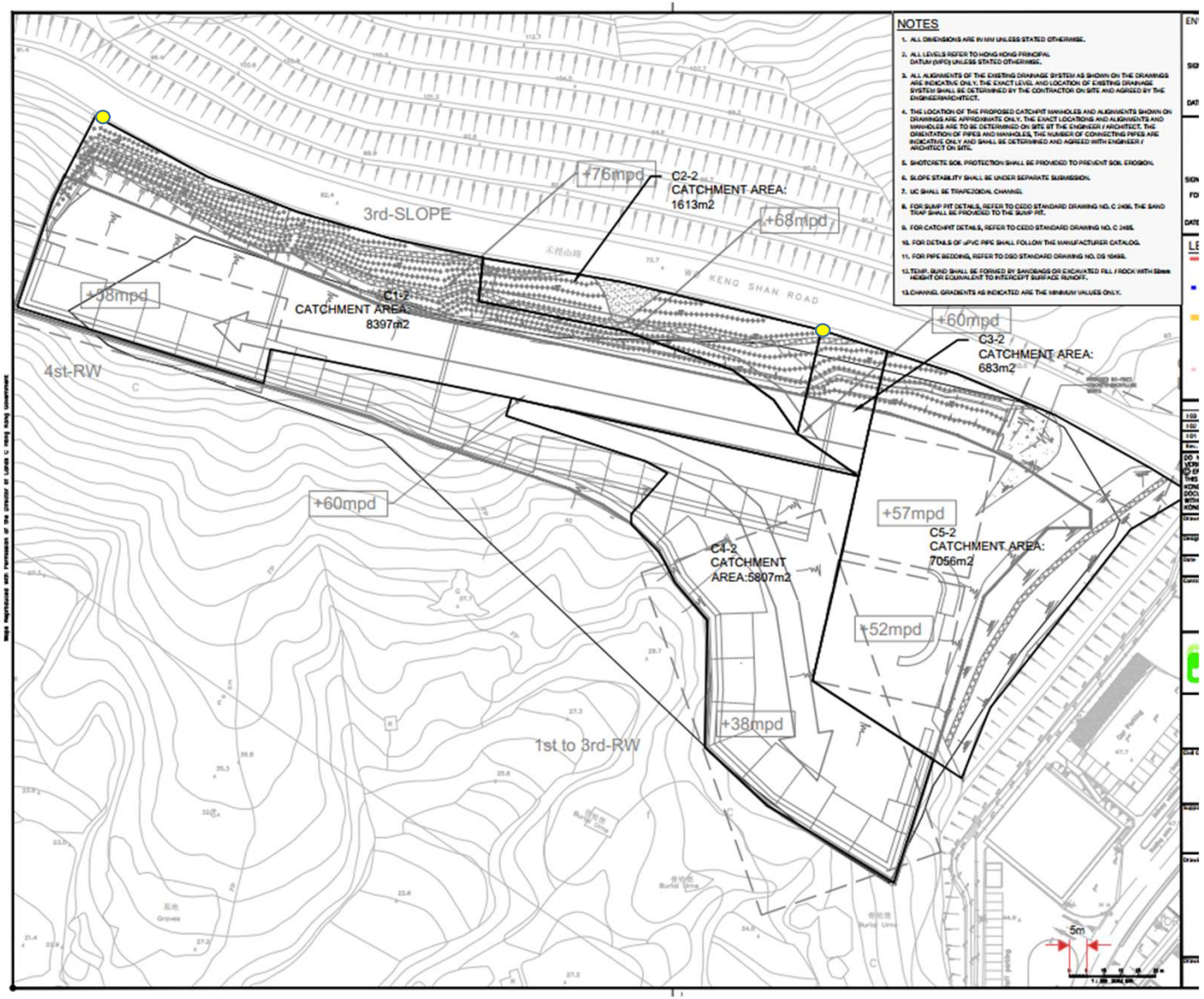
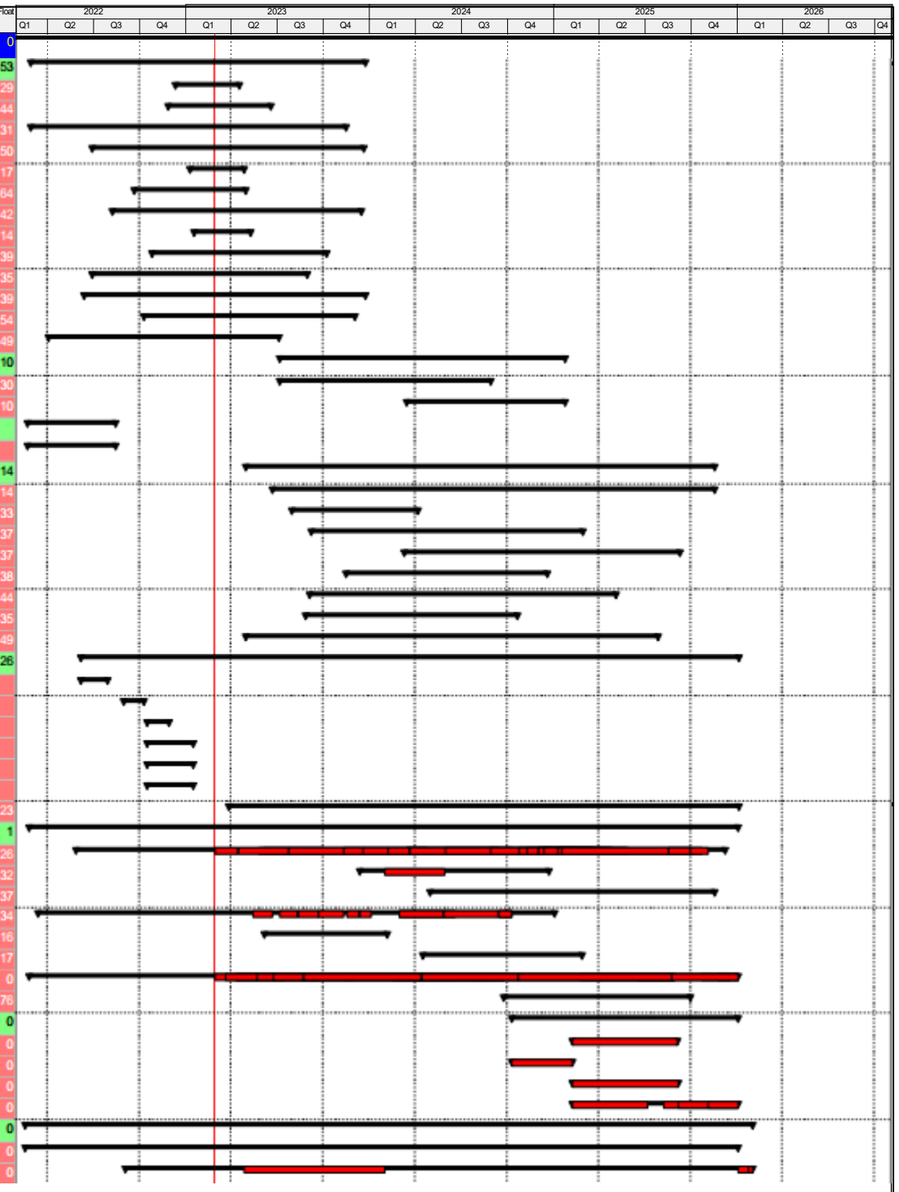


Figure 3 Landfill Gas Monitoring Locations

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)

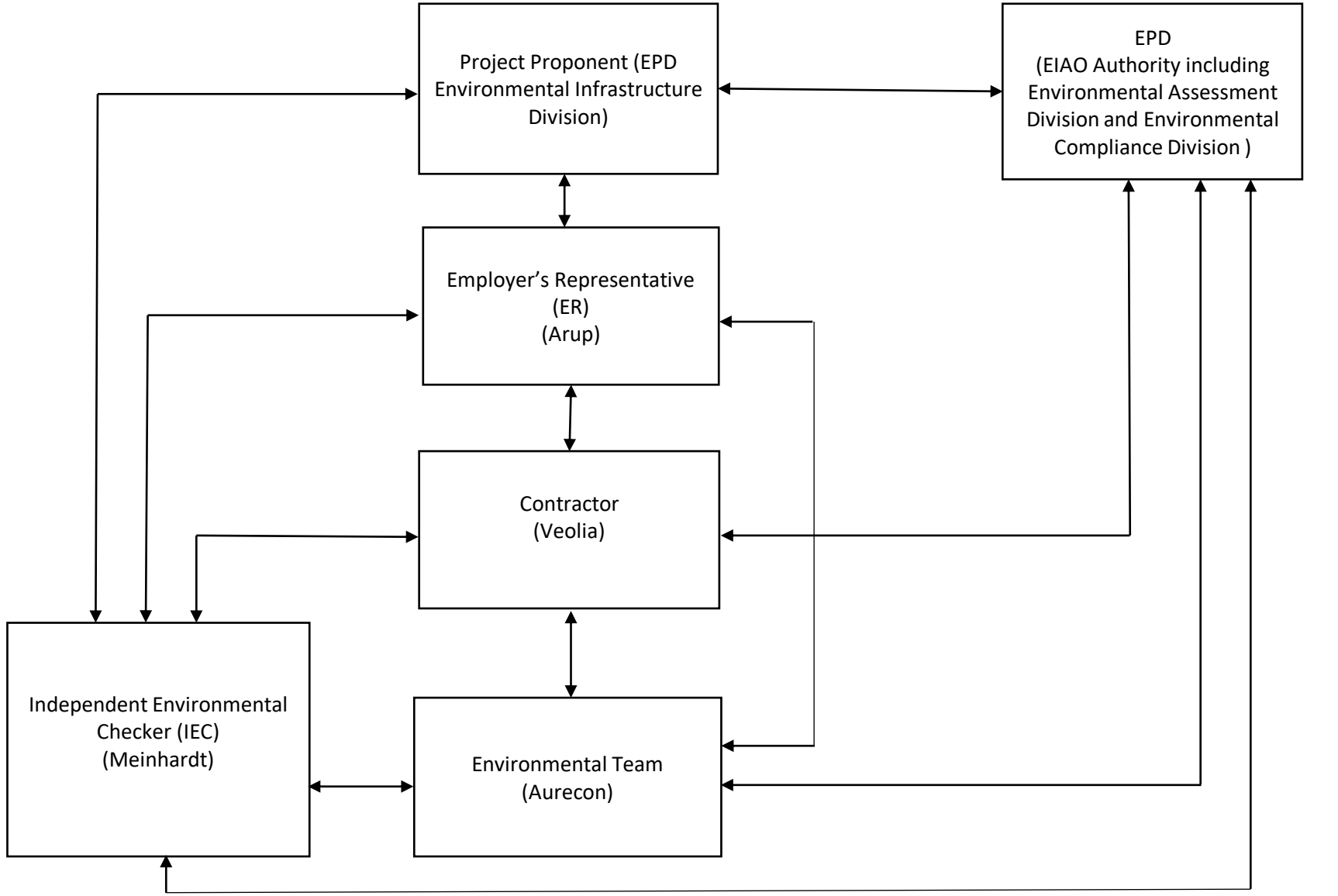
VEOLIA

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	PYE	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	PYE	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	PYE	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	PYE	Dust	Covering of cement storage area, enclosure of mixing area
Site formation	Portion A, Portion E3-1, Portion E4, Portion E1/B2	PYE	Generation of C&D waste	Implementation of trip ticket system, waste recycling, internal waste transfer
Tree Felling	Whole site	PYE	Generation of yard waste	Implementation of trip ticket system, waste recycling, internal waste transfer
Shotcreting (permanent and temporary)	Whole site	PYE	Dust	Covering of cement storage area, enclosure of mixing area
Soil Nail Installation	Portion A, E1/B2, E4	PYE	Dust	Covering of cement storage area, enclosure of mixing area, watering during works, install dust screen at work area

Remark:
PYE 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 September 2022)
2.6	2.8	Submission of translocation proposal	Submission Date (8 July 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 December 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 December 2022)
3.2	3.2	Submission of Baseline Monitoring Report	Submission Date (30 Nov 2022)
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)

Appendix D Monitoring Schedule for Reporting Month & Next Month

Impact Monitoring Schedule for NENT Landfill Extension (Sep 2024) (version 5.0)

9-2024						
Sun	**Mon**	**Tue**	**Wed**	**Thur**	**Fri**	**Sat**
1	**2** Air quality monitoring at AM1, AM2 and AM3 Noise monitoring at NM1a and NM2a	**3**	**4**	**5**	**6**	**7** Air quality monitoring at AM1, AM2 and AM3
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 WM2	**14**
15	**16**	**17**	**18**	**19** Air quality monitoring at AM1, AM2 and AM3 Noise monitoring at NM1a	**20**	**21**
22	**23**	**24**	**25** Air quality monitoring at AM1, AM2 and AM3 Noise monitoring at NM1a and NM2a Surface water quality monitoring at WM1	**26** Noise monitoring at NM2a	**27**	**28**
29	**30** Air quality monitoring at AM1, AM2 and AM3 Noise monitoring at NM1a and NM2a					

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. Due to the mowing issue, the surface water quality monitoring at WM1(Orignal monitoring date: 13/09/2024) and noise. monitoring ar NM2a (Orignal monitoring date: 19/09/2024) were arranged to 25/09/2024 and 26 /09/2024 respectively.

Impact Monitoring Schedule for NENT Landfill Extension (Oct 2024) (version 1.0)

10-2024						
Sun	**Mon**	**Tue**	**Wed**	**Thur**	**Fri**	**Sat**
29	**30** Air quality monitoring at AM1, AM2 and AM3 Noise monitoring at NM1a and NM2a	**1**	**2**	**3**	**4** Air quality monitoring at AM1, AM2 and AM3	**5**
6	**7**	**8**	**9** Air quality monitoring at AM1, AM2 and AM3 Noise monitoring at NM1a and NM2a Surface water quality monitoring at WM1 & WM2	**10**	**11**	**12**
13	**14** Air quality monitoring at AM1, AM2 and AM3 Noise monitoring at NM1a and NM2a	**15**	**16**	**17**	**18**	**19** Air quality monitoring at AM1, AM2 and AM3
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		

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.

Date: 27 May 2024

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:	**28-Nov-23**	to	**30-Nov-23**	Next Verification Test Date:	**27-Nov-24**
Unit-under-Test- Model No.:	Sibata LD-5R				
Unit-under-Test Serial No.:	0Z4545				
Our Report Refrence No.:	RPT-23-HVS-0023				
Calibration Location:	AM2, location near the Leachate Treatment Works within the NENTX Landfill				

Standard Equipment Information

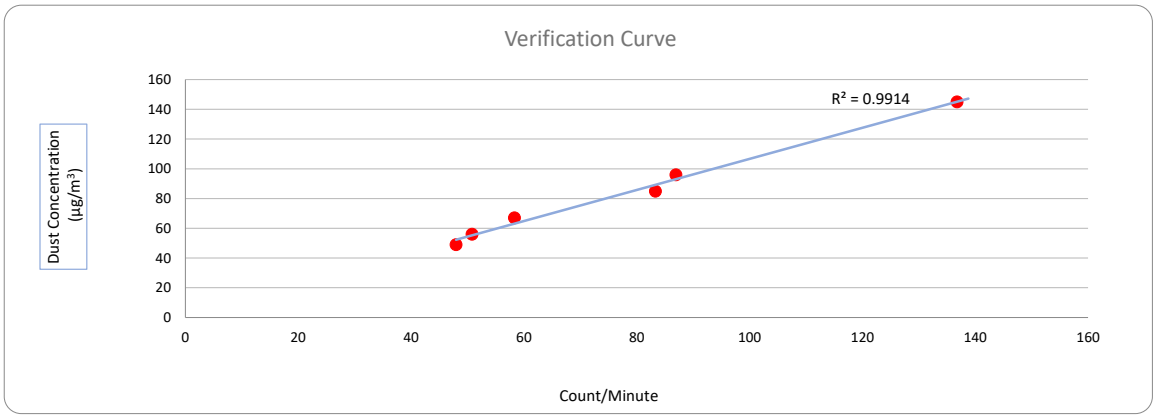
Verification Equipment Type:	Tisch TSP HVS	Tisch HVS Calibrator
Standard Equipment Model No.:	TE-5170X	TE-5028A
Equipment serial no.:	1106	3702
Last Calibration Date:	04-Nov-23	31-Mar-23
Next Calibration Date:	04-Jan-24	30-Mar-24

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	28/11/2023	8789.68	8792.68	180.00	15648	87	96
2	28/11/2023	8792.68	8795.68	180.00	14993	83	85
3	28/11/2023	8795.68	8798.68	180.00	8635	48	49
4	30/11/2023	8798.68	8801.68	180.00	10501	58	67
5	30/11/2023	8801.68	8804.68	180.00	24622	137	145
6	30/11/2023	8804.68	8807.68	180.00	9145	51	56

Linear Regression of y on x

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



Operated By: Andy Li — Project Technician, Environmental — Date: 02-12-2023

Checked By: Tandy Tse — Senior Consultant, Environmental — Date: 02-12-2023

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

Information of Calibrated Equipement

Verification Test Date:	**28-Nov-23**	to	**30-Nov-23**	Next Verification Test Date:	**27-Nov-24**
Unit-under-Test- Model No.:	Sibata LD-5R				
Unit-under-Test Serial No.:	882106				
Our Report Refrence No.:	RPT-23-HVS-0021				
Calibration Location:	AM2, location near the Leachate Treatment Works within the NENTX Landfill				

Standard Equipment Information

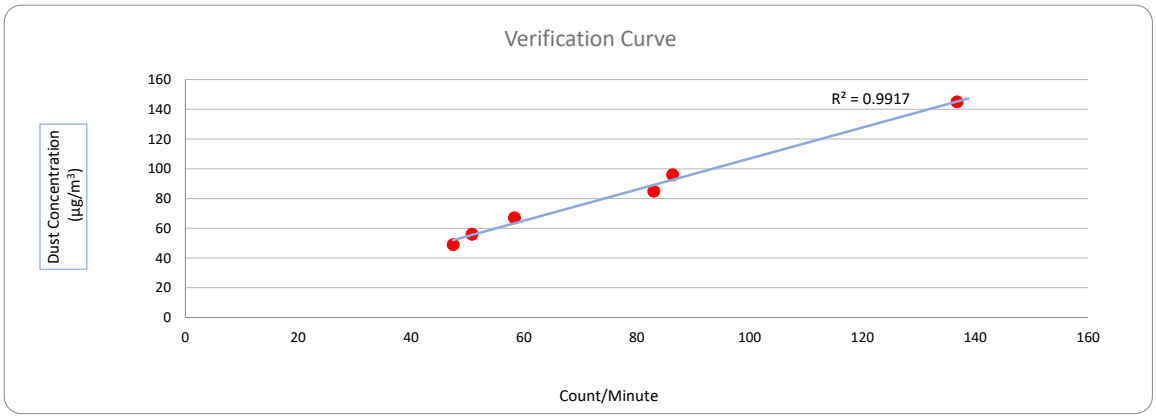
Verification Equipment Type:	Tisch TSP HVS	Tisch HVS Calibrator
Standard Equipment Model No.:	TE-5170X	TE-5028A
Equipment serial no.:	1106	3702
Last Calibration Date:	04-Nov-23	31-Mar-23
Next Calibration Date:	04-Jan-24	30-Mar-24

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	28/11/2023	8789.68	8792.68	180.00	15546	86	96
2	28/11/2023	8792.68	8795.68	180.00	14944	83	85
3	28/11/2023	8795.68	8798.68	180.00	8543	47	49
4	30/11/2023	8798.68	8801.68	180.00	10499	58	67
5	30/11/2023	8801.68	8804.68	180.00	24622	137	145
6	30/11/2023	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 — Project Technician, Environmental — Date: 02-12-2023

Checked By: Tandy Tse — Senior Consultant, Environmental — Date: 02-12-2023

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

Information of Calibrated Equipement

Verification Test Date:	**28-Nov-23**	to	**30-Nov-23**	Next Verification Test Date:	**27-Nov-24**
Unit-under-Test- Model No.:	Sibata LD-5R				
Unit-under-Test Serial No.:	942532				
Our Report Refrence No.:	RPT-23-HVS-0022				
Calibration Location:	AM2, location near the Leachate Treatment Works within the NENTX Landfill				

Standard Equipment Information

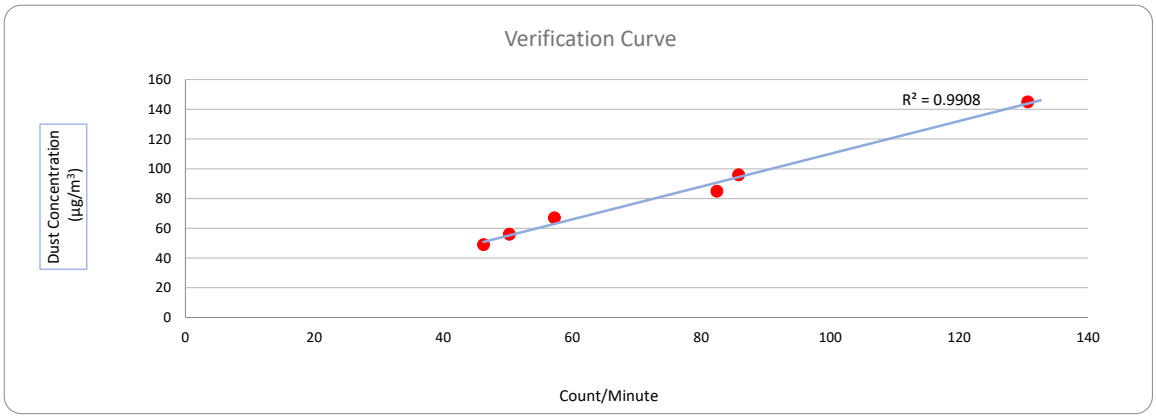
Verification Equipment Type:	Tisch TSP HVS	Tisch HVS Calibrator
Standard Equipment Model No.:	TE-5170X	TE-5028A
Equipment serial no.:	1106	3702
Last Calibration Date:	04-Nov-23	31-Mar-23
Next Calibration Date:	04-Jan-24	30-Mar-24

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	28/11/2023	8789.68	8792.68	180.00	15446	86	96
2	28/11/2023	8792.68	8795.68	180.00	14835	82	85
3	28/11/2023	8795.68	8798.68	180.00	8320	46	49
4	30/11/2023	8798.68	8801.68	180.00	10303	57	67
5	30/11/2023	8801.68	8804.68	180.00	23517	131	145
6	30/11/2023	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 — Project Technician, Environmental — Date: 02-12-2023

Checked By: Tandy Tse — Senior Consultant, Environmental — Date: 02-12-2023

HIVOL SAMPLER CALIBRATION DATA SHEET (TSP)

Site Information

Location:	**Representative For Tung Lo Hang**	**Site ID:**	**AM1**	**Date:**	**22-Aug-2024**
Serial No:	**1105**	**Model:**	**TE-5170X**	**Operator:**	**Andy Li**

Ambient Condition

Actual Pressure during Calibration (P_a) (mm Hg):	757.9	**Actual Temperature during Calibration (T_a) (deg K):**	302.0

Calibration Orifice

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

Calibration Data

Plate or Test #	ΔH_2O (in)	Qa, X-Axis (m^3/min)	I, CFM (chart)	IC, Y-Axis (corrected)
18	8.20	1.385	60.0	59.52
13	7.80	1.351	58.0	57.53
10	5.00	1.084	52.0	51.58
7	3.60	0.922	48.0	47.62
5	2.00	0.690	41.0	40.67

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

m= 25.9869 b= 23.1483 Corr. Coeff= 0.9975

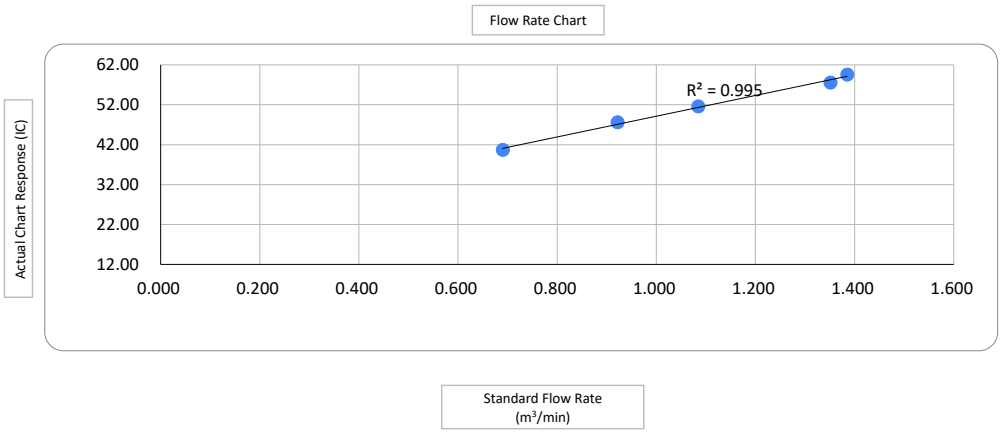
Calculations

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

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

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: 22-Aug-2024

HIVOL SAMPLER CALIBRATION DATA SHEET (TSP)

Site Information

Location:	**Representative For Heung YuenWai**	**Site ID:**	**AM2**	**Date:**	**22-Aug-2024**
Serial No:	**1106**	**Model:**	**TE-5170X**	**Operator:**	**Andy Li**

Ambient Condition

Actual Pressure during Calibration (P_a) (mm Hg):	757.9	**Actual Temperature during Calibration (T_a) (deg K):**	302.0

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	7.00	1.281	60.0	59.52
13	6.10	1.196	58.0	57.53
10	4.40	1.018	52.0	51.58
7	3.80	0.947	50.0	49.60
5	2.00	0.690	41.0	40.67

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

m= 32.1950 b= 18.7360 Corr. Coeff= 0.9988

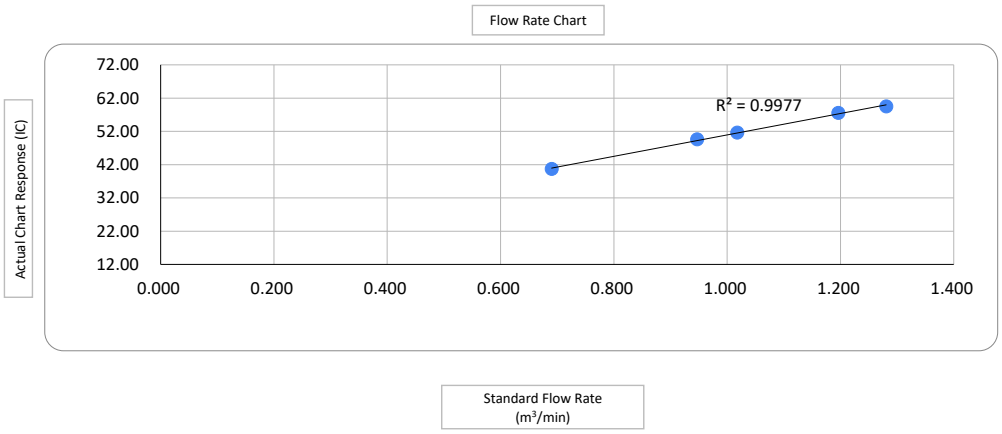
Calculations

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

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

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: 22-Aug-2024

HIVOL SAMPLER CALIBRATION DATA SHEET (TSP)

Site Information

Location:	**Representative For Wo Keng Shan Tsuen**	**Site ID:**	**AM3**	**Date:**	**22-Aug-2024**
Serial No:	**1856**	**Model:**	**TE-5170X**	**Operator:**	**Andy Li**

Ambient Condition

Actual Pressure during Calibration (P_a) (mm Hg):	757.9	**Actual Temperature during Calibration (T_a) (deg K):**	302.0

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	10.00	1.528	62.0	61.50
13	8.60	1.418	58.0	57.53
10	6.00	1.187	54.0	53.57
7	4.20	0.995	48.0	47.62
5	2.00	0.690	42.0	41.66

0

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

m= 23.3844 b= 25.1656 Corr. Coeff= 0.9956

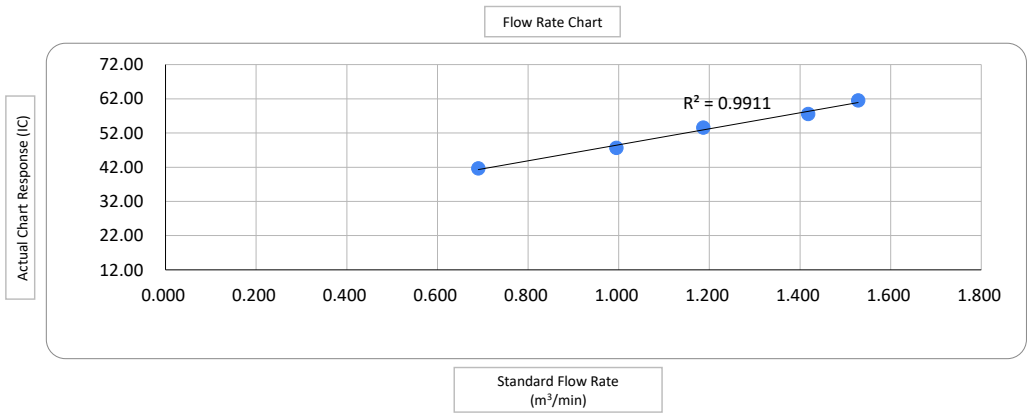
Calculations

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

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

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: 22-Aug-2024

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

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,	IEC 61672 Class 1
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB
30-130	dB SPL	Fast	94	31.5	94.2	±2.0
				63	94.2	±1.5
				125	94.1	±1.5
				250	94.1	±1.4
				500	94.1	±1.4
				1000	94.1	Ref
				2000	94.4	±1.6
				4000	95.3	±1.6
				8000	94.9	+2.1; -3.1

A-weighting

Setting of Unit-under-test (UUT)			Applied value		UUT Reading,	IEC 61672 Class 1
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB
30-130	dBA SPL	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,	IEC 61672 Class 1
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB
30-130	dBC SPL	Fast	94	31.5	91.2	-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

Hong Kong Calibration Ltd.
香 港 校 正 有限公司

A1

Calibration Certificate

Certificate No. 300737 Page 1 of 2 Pages

Customer : Acuity Sustainability Consulting Limited

Address : Unit E, 12/F, Ford Glory Plaza, No. 37-39 Wing Hong Street, Cheung Sha Wan, Kowloon, H.K.

Order No. : Q30320 **Date of receipt :** 2-Feb-23

Item Tested

Description : Hot Wire Anemometer

Manufacturer : RS PRO **I.D. :** ASCL-EQ-111

Model : RS-90 **Serial No. :** 210722208

Test Conditions

Date of Test : 13-Feb-23 **Supply Voltage :** --

Ambient Temperature : (23 ± 3)°C **Relative Humidity :** (50 ± 25) %

Test Specifications

Calibration check.

Ref. Document/Procedure : T03, Z04.

Test Results

All results were within the manufacturer's specification.

The results are shown in the attached page(s).

Main Test equipment used:

Equipment No.	Description	Cert. No.	Traceable to
S155	Std. Anemometer	206240	NIM-PRC
S223C	Std. Thermometer	205617	NIM-PRC

The values given in this Calibration Certificate only relate to the values measured at the time of the test and any uncertainties quoted will not include allowance 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 measurement. Hong Kong Calibration Ltd. shall not be liable for any loss or damage resulting from the use of the equipment.

The test equipment used for calibration are traceable to International System of Units (SI), or by reference to a natural constant.
The test results apply to the above Unit-Under-Test only

Calibrated by : James Yau

Approved by : Steve Kwan

Date: 13-Feb-23

This Certificate is issued by:
Hong Kong Calibration Ltd.
Unit 8B, 24/F., Well Fung Industrial Centre, No. 58-76, Ta Chuen Ping Street,Kwai Chung, NT,Hong Kong.
Tel: 2425 8801 Fax: 2425 8646

Calibration Certificate

Results :

1. Velocity

Applied Value (m/s)	UUT Reading (m/s)	Mfr's Spec.
0.00	0.00	± (3 % of reading + 0.3 m/s)
2.50	2.43	
5.00	5.04	
10.00	10.07	
15.00	15.65	
19.00	19.87	

2. Temperature

Applied Value (°C)	UUT Reading (°C)	Mfr's Spec.
23.12	23.0	± 2 °C

Remark : 1. UUT: Unit-Under-Test
2. Uncertainty : ± (0.9 % + 0.16 m/s) for Velocity, ± 0.1 °C for Temperature, for a confidence probability of not less than 95 %.
3. Atmospheric Pressure: 1 002 hPa

---------- END ----------

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-BD080044
Date of Issue : 16 August 2024
Page No. : 1 of 2

PART A - CUSTOMER INFORMATION

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

PART B - SAMPLE INFORMATION

Name of Equipment :	YSI ProDSS Multi Parameters
Manufacturer :	YSI
Serial Number :	24G101659
Date of Received :	15 August 2024
Date of Calibration :	16 August 2024
Date of Next Calibration :	16 November 2024
Request No. :	D-BD080044

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)
Oxidation-Reduction Potential	APHA 22e 2580 B
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	3.96	-0.04	Satisfactory
7.42	7.32	-0.10	Satisfactory
10.01	9.95	-0.06	Satisfactory

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

(2) Temperature

Reading of Ref. thermometer (°C)	Display Reading (°C)	Tolerance	Result
18.0	17.8	-0.2	Satisfactory
26.0	25.2	-0.8	Satisfactory
32.0	31.0	-1.0	Satisfactory

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

(3) Salinity

Expected Reading (g/L)	Display Reading (g/L)	Tolerance (%)	Result
10	9.75	-2.50	Satisfactory
20	19.76	-1.20	Satisfactory
30	29.92	-0.27	Satisfactory

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

--- CONTINUED ON NEXT PAGE ---

AUTHORIZED SIGNATORY:

LEE Chun-ning
Assistant 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-BD080044
Date of Issue : 16 August 2024

(4) Dissolved oxygen

Expected Reading (mg/L)	Display Reading (mg/L)	Tolerance	Result
8.09	8.17	0.08	Satisfactory
7.53	7.97	0.44	Satisfactory
6.52	6.55	0.03	Satisfactory
0.72	1.05	0.33	Satisfactory

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

(5) Oxidation-Reduction Potential

Expected Reading	Display Reading	Tolerance	Result
229	225.4	-3.6	Satisfactory

Tolerance of Oxidation-Reduction Potential should be less than ± 10.0 (mV)

(6) Turbidity

Expected Reading (NTU)	Display Reading (NTU)	Tolerance [a] (%)	Result
0	0.40	--	--
10	9.24	-7.6	Satisfactory
20	19.63	-1.9	Satisfactory
100	94.80	-5.2	Satisfactory
800	738.22	-7.7	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 principals as practiced by QPT or quoted form relevant international standards.
·The results relate only to the calibrated equipment as received
·The performance of the equipment stated in this report is checked with independent reference material and results compared against a calibrated secondary source.
·"Displayed Reading" denotes the figure shown on item under calibration/ checking regardless of equipment precision or significant figures.
·The "Tolerance Limit" mentioned is the acceptance criteria applicable for similar equipment used by Quality Pro Test-Consult Ltd. or quoted form relevant international standards.

--- END OF REPORT ---

Hong Kong Calibration Ltd.
香 港 校 正 有限公司

Calibration Certificate

Certificate No. 400718

Customer : Acumen Laboratory and Testing Limited

Address : Flat / RM D, 12/F, Ford Glory Plaza, Nos. 37-39 Wing Hong Street, Cheung Shan Wan, Kowloon, Hong Kong

Order No. : Q40331 **Date of receipt :** 24-Jan-24

Item Tested

Description : Flow Probe
Manufacturer : Global Water
Model : FP111
I.D. : --
Serial No. : 22K100859

Test Conditions

Date of Test : 25-Jan-24
Ambient Temperature : 15°C
Supply Voltage : --
Relative Humidity : 48%

Test Specifications

Calibration check.
Ref. Document/Procedure : V12

Test Results

All results were within the manufacturer's specification.
The results are shown in the attached page(s).

Main Test equipment used:

Equipment No.	Description	Cert. No.	Traceable to
S179	Std. Tape	301321	NIM-PRC
S136A	Stop Watch	303116	SCL-HKSAR

The values given in this Calibration Certificate only relate to the values measured at the time of the test and any uncertainties quoted will not include allowance 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 measurement. Hong Kong Calibration Ltd. shall not be liable for any loss or damage resulting from the use of the equipment.

The test equipment used for calibration are traceable to International System of Units (SI), or by reference to a natural constant.
The test results apply to the above Unit-Under-Test only

Calibrated by : Kin Wong

Approved by : Steve Kwan

Date: 26-Jan-24

This Certificate is issued by:
Hong Kong Calibration Ltd.
Unit 8B, 24/F., Well Fung Industrial Centre, No. 58-76, Ta Chuen Ping Street,Kwai Chung, NT,Hong Kong.
Tel: 2425 8801 Fax: 2425 8646

Hong Kong Calibration Ltd.
香 港 校 正 有限公司

Calibration Certificate

Certificate No. 400718

Results :

Applied Value (m/s)	UUT Reading (m/s)	Mfr's Spec.
0.58	0.6	± 0.1 m/s

Remarks : 1. UUT : Unit-Under-Test
2. Uncertainty : ± 1 %, for a confidence probability of not less than 95%.

---------- END ----------

Landfill Gas

Asia Pacific Industrial Safety Equipment

Tel: 2592 2100 Fax: 3165 8960

Calibration Certificate

Cert. Ref. No.: BLS/G7C/01/1125 Date: 31/7/2024

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	31/7/2024	25	100	18	50	5000
		OK	**OK**	**OK**	**OK**	**OK**

Calibratrion remarks: Please contact the service centre before 15/11/2024 to receive instructions for updating the gas alarm point to meet the latest COP for Confined Space.

Blackline Safety Recommended Next Calibration Date*: **27/1/2025**

*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**

ASIA PACIFIC INDUSTRIAL SAFETY EQUIPMENT 亞太工業安全設備

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
2/9/2024	Sibata LD-5R	882106	1.0437	Fine	8:10	9:10	10:10	29	28	29	29	285	500
7/9/2024	Sibata LD-5R	0Z4545	1.0451	Cloudy	8:09	9:09	10:09	21	19	12	17		
13/9/2024	Sibata LD-5R	882106	1.0437	Fine	13:25	14:25	15:25	29	30	27	29		
19/9/2024	Sibata LD-5R	882106	1.0437	Cloudy	13:31	14:31	15:31	29	34	32	32		
25/9/2024	Sibata LD-5R	882106	1.0437	Cloudy	8:16	9:16	10:16	31	25	28	28		
30/9/2024	Sibata LD-5R	882106	1.0437	Fine	10:09	11:09	12:09	22	25	24	24		
							Average	**26**					
							Max.	**34**					
							Min.	**12**					

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
2/9/2024	Sibata LD-5R	0Z4545	1.0451	Fine	8:20	9:20	10:20	44	45	43	44	279	500
7/9/2024	Sibata LD-5R	882106	1.0437	Cloudy	8:19	9:19	10:19	39	38	29	35		
13/9/2024	Sibata LD-5R	0Z4545	1.0451	Fine	13:36	14:36	15:36	44	41	49	45		
19/9/2024	Sibata LD-5R	0Z4545	1.0451	Cloudy	13:21	14:21	15:21	50	58	59	56		
25/9/2024	Sibata LD-5R	0Z4545	1.0451	Cloudy	8:30	9:30	10:30	42	49	44	45		
30/9/2024	Sibata LD-5R	0Z4545	1.0451	Fine	10:20	11:20	12:20	34	36	34	35		
							Average	**43**					
							Max.	**59**					
							Min.	**29**					

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

Date	Equipment Brand & Model	Equipment Serial No.	K-factor	Weather	Sampling Time (1)	Sampling Time (2)	Sampling Time (3)	Reading (1) μg/m^3	Reading (2) μg/m^3	Reading (3) μg/m^3	Average μg/m^3	Action Level μg/m^3	Limit Level μg/m^3
2/9/2024	Sibata LD-5R	942532	1.1020	Fine	8:31	9:31	10:31	55	51	53	53	285	500
7/9/2024	Sibata LD-5R	942532	1.1020	Cloudy	8:31	9:31	10:31	39	38	37	38		
13/9/2024	Sibata LD-5R	942532	1.1020	Fine	13:15	14:15	15:15	50	50	51	50		
19/9/2024	Sibata LD-5R	942532	1.1020	Cloudy	13:09	14:09	15:09	60	61	62	61		
25/9/2024	Sibata LD-5R	942532	1.1020	Cloudy	8:49	9:49	10:49	50	56	53	53		
30/9/2024	Sibata LD-5R	942532	1.1020	Fine	14:00	15:00	16:00	46	42	45	44		
							Average	**50**					
							Max.	**62**					
							Min.	**37**					

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)
2/9/2024	Fine	30.4	1006.1	3660.37	3684.37	1440	40	0.6	873	2.6921	2.7842	0.0921	106	164	260
7/9/2024	Cloudy	28.7	1007.9	3693.34	3717.34	1440	44	0.8	1100	2.6970	2.8130	0.1160	105		
13/9/2024	Fine	29.8	1004.0	3727.21	3751.21	1440	40	0.6	896	2.7067	2.8095	0.1028	115		
19/9/2024	Cloudy	30.0	1003.2	3764.01	3788.01	1440	40	0.6	894	2.7187	2.8132	0.0945	106		
25/9/2024	Cloudy	29.0	1011.2	3799.90	3823.90	1440	40	0.6	915	2.6719	2.7645	0.0926	101		
30/9/2024	Fine	30.7	1005.4	3836.88	3860.88	1440	41	0.6	923	2.7015	2.8092	0.1077	117		
												Average	**108**		
												Min	**101**		
												Max	**117**		

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)
2/9/2024	Fine	30.4	1006.1	3348.04	3372.04	1440	40	0.6	924	2.7037	2.8094	0.1057	114	152	260
7/9/2024	Cloudy	28.7	1007.9	3385.91	3409.91	1440	40	0.6	931	2.7042	2.8048	0.1006	108		
13/9/2024	Fine	29.8	1004.0	3421.78	3445.78	1440	40	0.6	899	2.7051	2.8153	0.1102	123		
19/9/2024	Cloudy	30.0	1003.2	3459.75	3483.75	1440	42	0.7	985	2.7109	2.8197	0.1088	111		
25/9/2024	Cloudy	29.0	1011.2	3496.64	3520.64	1440	41	0.7	980	2.6890	2.7885	0.0995	102		
30/9/2024	Fine	30.7	1005.4	3534.62	3558.62	1440	41	0.7	964	2.7093	2.8037	0.0944	98		
												Average	**109**		
												Min	**98**		
												Max	**123**		

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)
2/9/2024	Fine	30.4	1006.1	4234.89	4258.89	1440	42	0.7	997	2.7019	2.8203	0.1184	119	163	260
7/9/2024	Cloudy	28.7	1007.9	4268.76	4292.76	1440	40	0.6	885	2.6988	2.7965	0.0977	110		
13/9/2024	Fine	29.8	1004.0	4304.63	4328.63	1440	41	0.6	902	2.7086	2.8251	0.1165	129		
19/9/2024	Cloudy	30.0	1003.2	4340.81	4364.81	1440	41	0.6	899	2.7120	2.8192	0.1072	119		
25/9/2024	Cloudy	29.0	1011.2	4378.70	4402.70	1440	41	0.7	953	2.6969	2.8051	0.1082	113		
30/9/2024	Fine	30.7	1005.4	4416.46	4440.46	1440	45	0.8	1144	2.6961	2.8220	0.1259	110		
												Average	**117**		
												Min	**110**		
												Max	**129**		

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
2/9/2024	Fine	1.9	8:15	8:45	59.2	60.3	59.1	59.9	60.3	61.2	60.1	60.3	61.4	60.4	60.9	61.9	62.4	58.1	59.2	58.3	58.4	59.3	60.3
13/9/2024	Fine	1.4	13:10	13:40	60.4	61.3	60.5	59.1	60.2	59.7	60.3	62.1	63.2	62.2	61.2	62.3	61.2	58.6	59.1	58.6	57.4	58.4	57.6
19/9/2024	Cloudy	1.9	13:36	14:06	59.1	59.0	58.0	58.5	59.4	60.1	59.1	61.4	60.9	59.1	60.2	60.3	62.2	58.1	57.9	57.0	57.5	58.4	59.2
25/9/2024	Cloudy	1.9	9:09	9:39	59.5	58.7	58.4	59.4	58.5	59.9	59.1	62.6	61.6	60.2	61.4	60.5	62.6	58.5	57.5	56.1	56.9	57.1	58.5
30/9/2024	Fine	1.5	14:06	14:36	58.5	57.5	56.9	58.4	60.7	60.4	59.0	60.5	59.4	58.5	60.6	62.4	62.6	56.5	55.4	54.7	54.1	55.2	58.4

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
2/9/2024	Fine	1.9	14:36	15:06	57.6	57.1	56.2	56.9	57.6	56.9	57.1	58.9	58.4	57.9	58.0	58.6	58.1	56.1	56.0	55.4	56.1	56.3	55.3
13/9/2024	Fine	2.0	15:00	15:30	57.2	58.3	59.6	57.6	58.4	58.7	58.4	59.2	59.2	61.2	59.1	59.3	59.8	55.4	56.8	57.5	55.2	57.2	56.9
25/9/2024	Cloudy	1.4	15:06	15:36	56.6	55.6	54.6	55.4	54.5	55.2	55.4	57.4	56.7	56.4	56.5	55.7	56.8	55.5	54.3	53.5	54.5	53.5	53.7
26/9/2024	Cloudy	1.1	15:01	15:31	57.6	56.2	57.6	58.2	57.9	57.8	57.6	59.2	58.6	59.5	59.4	58.8	59.1	56.2	55.3	55.9	57.6	56.1	56.2
30/9/2024	Fine	1.0	16:11	16:41	58.5	57.5	56.9	58.4	60.7	60.4	59.0	60.5	59.4	58.5	60.6	62.4	62.6	56.5	55.4	54.7	54.1	55.2	58.4

Average	57.6
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
25-Sep-24	15:59	Cloudy	0.05	2.0	25.1	8.6	<7.4	<4	7.0	>7.7	>7.8	4.2	>9.2	>9.5	2.9	>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-Sep-24	8:04	Fine	0.30	3.0	25.7	8.9	<5	<4	7.3	>7.6	>7.7	14.2	>108.3	>108.9	10.6	>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

5.Surface water quality monitoring at WM1 on 11 July 2024 changed to 19 July 2024 due to the security consideration of overgrown lawn.

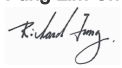
ALS Technichem (HK) Pty Ltd

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	: HUNTINGTON HUI	Contact	: Richard Fung	Work Order	: HK2438874
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	: 25-Sep-2024
Order number	: ----	Quote number	: HKE/2751/2022_V4	Issue Date	: 09-Oct-2024
C-O-C number	: ----			No. of samples received	: 1
Site	:			No. of samples analysed	: 1

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 25-Sep-2024 to 09-Oct-2024.

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: HK2438874

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 17:45.

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

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

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

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

Analytical Results

Sub-Matrix: **WATER**

Compound	CAS Number	LOR	Unit	Sample ID	WM 1	---	---	---	---
				Sampling date / time	25-Sep-2024	----	----	----	----
					HK2438874-001	-------	-------	-------	-------
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	0.1	mg/L		2.9	---	---	---	---
ED037: Total Alkalinity as CaCO3	----	1	mg/L		12	---	---	---	---
ED/EK: Inorganic Nonmetallic Parameters									
ED041K: Sulphate as SO4 - Turbidimetric	----	1	mg/L		2	---	---	---	---
ED045K: Chloride	16887-00-6	0.5	mg/L		5	---	---	---	---
EK055K: Ammonia as N	7664-41-7	0.01	mg/L		0.02	---	---	---	---
EK058A: Nitrate as N	14797-55-8	0.01	mg/L		0.08	---	---	---	---
EK061A: Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.3	---	---	---	---
EK071K: Reactive Phosphorus as P	14265-44-2	0.01	mg/L		0.02	---	---	---	---
EK086: Sulphite as SO3 2-	14265-45-3	2	mg/L		<2	---	---	---	---
EP: Aggregate Organics									
EP005: Total Organic Carbon	----	1	mg/L		1	---	---	---	---
EP020: Oil & Grease	----	5	mg/L		<5	---	---	---	---
EP026C: Chemical Oxygen Demand	----	5	mg/L		<5	---	---	---	---
EP030: Biochemical Oxygen Demand	----	2	mg/L		<2	---	---	---	---
EG: Metals and Major Cations - Total									
EG020: Cadmium	7440-43-9	0.2	µg/L		<0.2	---	---	---	---
EG020: Copper	7440-50-8	1	µg/L		1	---	---	---	---
EG020: Lead	7439-92-1	1	µg/L		<1	---	---	---	---
EG020: Manganese	7439-96-5	1	µg/L		21	---	---	---	---
EG020: Nickel	7440-02-0	1	µg/L		<1	---	---	---	---
EG020: Zinc	7440-66-6	10	µg/L		<10	---	---	---	---
EG032: Calcium	7440-70-2	50	µg/L		2520	---	---	---	---
EG032: Iron	7439-89-6	10	µg/L		220	---	---	---	---
EG032: Magnesium	7439-95-4	50	µg/L		460	---	---	---	---
EG032: Potassium	7440-09-7	50	µg/L		670	---	---	---	---
EG032: Sodium	7440-23-5	50	µg/L		5940	---	---	---	---
EM: Microbiological Testing									
EM002: E. coli	----	1	CFU/100mL		110	---	---	---	---

Sub-Matrix: WATER			Sample ID	WM 1	----	----	----	----
			Sampling date / time	25-Sep-2024	----	----	----	----
Compound	CAS Number	LOR	Unit	HK2438874-001	-------	-------	-------	-------
EM: Microbiological Testing - Continued								
EM003: Total Coliforms	----	1	CFU/100mL	230	----	----	----	----

-------- 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: 6081401)								
HK2438739-001	Anonymous	ED037: Total Alkalinity as CaCO3	----	1	mg/L	<1	<1	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 6082784)								
HK2438869-021	Anonymous	EA025: Suspended Solids (SS)	----	0.5	mg/L	115	123	6.6
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 6081325)								
HK2438739-001	Anonymous	ED041K: Sulphate as SO4 - Turbidimetric	----	1	mg/L	<1	<1	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 6081326)								
HK2438739-001	Anonymous	ED045K: Chloride	16887-00-6	1	mg/L	<1	<1	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 6081335)								
HK2438811-001	Anonymous	EK055K: Ammonia as N	7664-41-7	0.01	mg/L	6.91	6.85	1.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 6084228)								
HK2438757-001	Anonymous	EK071K: Reactive Phosphorus as P	14265-44-2	0.01	mg/L	0.03	0.02	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 6103134)								
HK2438874-001	WM 1	EK061A: Total Kjeldahl Nitrogen as N	----	0.1	mg/L	0.3	0.3	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 6103173)								
HK2438874-001	WM 1	EK086: Sulphite as SO3 2-	14265-45-3	2	mg/L	<2	<2	0.0
EP: Aggregate Organics (QC Lot: 6084318)								
HK2439066-001	Anonymous	EP005: Total Organic Carbon	----	1	mg/L	29	29	0.0
EP: Aggregate Organics (QC Lot: 6102621)								
HK2438823-001	Anonymous	EP026C: Chemical Oxygen Demand	----	5	mg/L	12	11	0.0
EG: Metals and Major Cations - Total (QC Lot: 6080982)								
HK2438665-002	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	4	4	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

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: 6081401)											
ED037: Total Alkalinity as CaCO3	----	1	mg/L	<1	50 mg/L	100	----	95.0	105	----	----
				<1	2000 mg/L	99.3	----	95.0	105	----	----
EA/ED: Physical and Aggregate Properties (QC Lot: 6082784)											
EA025: Suspended Solids (SS)	----	0.5	mg/L	<0.5	10 mg/L	93.5	----	84.9	114	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 6081325)											
ED041K: Sulphate as SO4 - Turbidimetric	----	1	mg/L	<1	5 mg/L	96.4	----	93.1	113	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 6081326)											
ED045K: Chloride	16887-00-6	1	mg/L	<1	10 mg/L	97.4	----	88.2	108	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 6081335)											
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	0.5 mg/L	100	----	89.3	109	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 6084228)											
EK071K: Reactive Phosphorus as P	14265-44-2	0.01	mg/L	<0.01	0.5 mg/L	99.3	----	92.4	106	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 6103134)											
EK061A: Total Kjeldahl Nitrogen as N	----	0.1	mg/L	<0.1	0.5 mg/L	105	----	88.9	119	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 6103173)											
EK086: Sulphite as SO3 2-	14265-45-3	2	mg/L	<2	----	----	----	----	----	----	----
EP: Aggregate Organics (QC Lot: 6079834)											
EP030: Biochemical Oxygen Demand	----	----	mg/L	----	198 mg/L	95.4	----	77.6	118	----	----
EP: Aggregate Organics (QC Lot: 6084318)											
EP005: Total Organic Carbon	----	1	mg/L	<1	5 mg/L	109	----	81.7	124	----	----
				<1	100 mg/L	99.6	----	84.8	114	----	----
EP: Aggregate Organics (QC Lot: 6099314)											
EP020: Oil & Grease	----	2	mg/L	<2	20 mg/L	97.3	----	79.1	108	----	----
EP: Aggregate Organics (QC Lot: 6102621)											
EP026C: Chemical Oxygen Demand	----	----	mg/L	----	25 mg/L	94.4	----	92.0	108	----	----
				----	250 mg/L	99.9	----	92.3	106	----	----
EG: Metals and Major Cations - Total (QC Lot: 6080982)											
EG020: Cadmium	7440-43-9	0.2	µg/L	<0.2	5 µg/L	99.3	----	85.0	109	----	----

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
EG: Metals and Major Cations - Total (QC Lot: 6080982) - Continued											
EG020: Copper	7440-50-8	1	µg/L	<1	50 µg/L	107	----	90.0	111	----	----
EG020: Lead	7439-92-1	1	µg/L	<1	50 µg/L	97.7	----	89.0	111	----	----
EG020: Manganese	7439-96-5	1	µg/L	<1	50 µg/L	102	----	85.0	115	----	----
EG020: Nickel	7440-02-0	1	µg/L	<1	50 µg/L	103	----	87.0	110	----	----
EG020: Zinc	7440-66-6	10	µg/L	<10	50 µg/L	99.7	----	86.0	114	----	----
EG: Metals and Major Cations - Total (QC Lot: 6080984)											
EG032: Calcium	7440-70-2	50	µg/L	<50	2000 µg/L	98.8	----	85.0	115	----	----
EG032: Iron	7439-89-6	10	µg/L	<10	2000 µg/L	103	----	85.0	115	----	----
EG032: Magnesium	7439-95-4	50	µg/L	<50	2000 µg/L	102	----	85.0	115	----	----
EG032: Potassium	7440-09-7	50	µg/L	<50	2000 µg/L	100	----	85.0	115	----	----
EG032: Sodium	7440-23-5	50	µg/L	<50	2000 µg/L	104	----	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: 6081325)										
HK2438739-001	Anonymous	ED041K: Sulphate as SO4 - Turbidimetric	----	5 mg/L	90.5	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 6081326)										
HK2438739-001	Anonymous	ED045K: Chloride	16887-00-6	5 mg/L	79.4	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 6081335)										
HK2438811-001	Anonymous	EK055K: Ammonia as N	7664-41-7	5 mg/L	98.4	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 6084228)										
HK2438757-001	Anonymous	EK071K: Reactive Phosphorus as P	14265-44-2	0.5 mg/L	99.7	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 6103134)										
HK2438874-001	WM 1	EK061A: Total Kjeldahl Nitrogen as N	----	0.5 mg/L	82.2	----	75.0	125	----	----
EP: Aggregate Organics (QC Lot: 6084318)										
HK2439065-001	Anonymous	EP005: Total Organic Carbon	----	25 mg/L	113	----	75.0	125	----	----
EP: Aggregate Organics (QC Lot: 6102621)										
HK2438823-001	Anonymous	EP026C: Chemical Oxygen Demand	----	10 mg/L	109	----	75.0	125	----	----
EG: Metals and Major Cations - Total (QC Lot: 6080982)										
HK2438665-001	Anonymous	EG020: Cadmium	7440-43-9	5 µg/L	101	----	75.0	125	----	----
		EG020: Copper	7440-50-8	50 µg/L	105	----	75.0	125	----	----
		EG020: Lead	7439-92-1	50 µg/L	99.1	----	75.0	125	----	----
		EG020: Manganese	7439-96-5	50 µg/L	101	----	75.0	125	----	----
		EG020: Nickel	7440-02-0	50 µg/L	99.8	----	75.0	125	----	----
		EG020: Zinc	7440-66-6	50 µg/L	97.7	----	75.0	125	----	----
EG: Metals and Major Cations - Total (QC Lot: 6080984)										
HK2438874-001	WM 1	EG032: Calcium	7440-70-2	2000 µg/L	103	----	75.0	125	----	----
		EG032: Iron	7439-89-6	2000 µg/L	104	----	75.0	125	----	----
		EG032: Magnesium	7439-95-4	2000 µg/L	104	----	75.0	125	----	----
		EG032: Potassium	7440-09-7	2000 µg/L	103	----	75.0	125	----	----

Matrix: **WATER**

Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report						
				Spike Concentration	Spike Recovery (%)		Recovery Limits (%)		RPD (%)	
					MS	MSD	Low	High	Value	Control Limit
EG: Metals and Major Cations - Total (QC Lot: 6080984) - Continued										
HK2438874-001	WM 1	**EG032: Sodium**	7440-23-5	2000 µg/L	102	----	75.0	125	----	----

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	: HUNTINGTON HUI	Contact	: Richard Fung	Work Order	: HK2437385
Address	: UNIT D, 12/F, FORD GLORY PLAZA, NOS.37-39 WING HONG STREET, CHEUNG SHA WAN, KOWLOON, HONG KONG	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-Sep-2024
Order number	: ----	Quote number	: HKE/2751/2022_V4	Issue Date	: 30-Sep-2024
C-O-C number	: ----			No. of samples received	: 1
Site	:			No. of samples analysed	: 1

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-Sep-2024 to 27-Sep-2024.

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: HK2437385

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 17:45.

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

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

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

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

Analytical Results

Sub-Matrix: WATER				Sample ID	WM2	---	---	---	---
				Sampling date / time	13-Sep-2024	----	----	----	----
Compound	CAS Number	LOR	Unit	HK2437385-001	-------	-------	-------	-------	
EA/ED: Physical and Aggregate Properties									
EA025: Suspended Solids (SS)	----	0.1	mg/L	10.6	---	---	---	---	
ED037: Total Alkalinity as CaCO3	----	1	mg/L	42	---	---	---	---	
ED/EK: Inorganic Nonmetallic Parameters									
ED041K: Sulphate as SO4 - Turbidimetric	----	1	mg/L	26	---	---	---	---	
ED045K: Chloride	16887-00-6	0.5	mg/L	4	---	---	---	---	
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	0.09	---	---	---	---	
EK058A: Nitrate as N	14797-55-8	0.01	mg/L	0.23	---	---	---	---	
EK061A: Total Kjeldahl Nitrogen as N	----	0.1	mg/L	0.4	---	---	---	---	
EK071K: Reactive Phosphorus as P	14265-44-2	0.01	mg/L	<0.01	---	---	---	---	
EK086: Sulphite as SO3 2-	14265-45-3	2	mg/L	<2	---	---	---	---	
EP: Aggregate Organics									
EP005: Total Organic Carbon	----	1	mg/L	2	---	---	---	---	
EP020: Oil & Grease	----	5	mg/L	<5	---	---	---	---	
EP026C: Chemical Oxygen Demand	----	5	mg/L	7	---	---	---	---	
EP030: Biochemical Oxygen Demand	----	2	mg/L	<2	---	---	---	---	
EG: Metals and Major Cations - Total									
EG020: Cadmium	7440-43-9	0.2	µg/L	<0.2	---	---	---	---	
EG020: Copper	7440-50-8	1	µg/L	2	---	---	---	---	
EG020: Lead	7439-92-1	1	µg/L	<1	---	---	---	---	
EG020: Manganese	7439-96-5	1	µg/L	578	---	---	---	---	
EG020: Nickel	7440-02-0	1	µg/L	<1	---	---	---	---	
EG020: Zinc	7440-66-6	10	µg/L	16	---	---	---	---	
EG032: Calcium	7440-70-2	50	µg/L	22400	---	---	---	---	
EG032: Iron	7439-89-6	10	µg/L	380	---	---	---	---	
EG032: Magnesium	7439-95-4	50	µg/L	1530	---	---	---	---	
EG032: Potassium	7440-09-7	50	µg/L	1940	---	---	---	---	
EG032: Sodium	7440-23-5	50	µg/L	5290	---	---	---	---	
EM: Microbiological Testing									
EM002: E. coli	----	1	CFU/100mL	NOT DETECTED	---	---	---	---	

Sub-Matrix: WATER								
			Sample ID	WM2	----	----	----	----
			Sampling date / time	13-Sep-2024	----	----	----	----
Compound	CAS Number	LOR	Unit	HK2437385-001	-------	-------	-------	-------
EM: Microbiological Testing - Continued								
EM003: Total Coliforms	----	1	CFU/100mL	NOT DETECTED	----	----	----	----

-------- 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 sample ID	Sample ID	Method: Compound	CAS Number	Laboratory Duplicate (DUP) Report				
				LOR	Unit	Original Result	Duplicate Result	RPD (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 6059183)								
HK2437385-001	WM2	ED037: Total Alkalinity as CaCO3	----	1	mg/L	42	42	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 6059303)								
HK2437344-021	Anonymous	EA025: Suspended Solids (SS)	----	0.5	mg/L	45.2	46.7	3.2
HK2437585-001	Anonymous	EA025: Suspended Solids (SS)	----	0.5	mg/L	6.8	6.2	8.8
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 6057977)								
HK2437385-001	WM2	EK071K: Reactive Phosphorus as P	14265-44-2	0.01	mg/L	<0.01	<0.01	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 6060211)								
HK2437385-001	WM2	ED041K: Sulphate as SO4 - Turbidimetric	----	1	mg/L	26	26	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 6060212)								
HK2437385-001	WM2	ED045K: Chloride	16887-00-6	1	mg/L	4	4	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 6068900)								
HK2436977-001	Anonymous	EK086: Sulphite as SO3 2-	14265-45-3	2	mg/L	<2	<2	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 6069289)								
HK2437768-001	Anonymous	EK055K: Ammonia as N	7664-41-7	0.01	mg/L	21.1	21.3	1.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 6085135)								
HK2437148-001	Anonymous	EK061A: Total Kjeldahl Nitrogen as N	----	0.1	mg/L	40.8	35.3	14.5
EP: Aggregate Organics (QC Lot: 6072440)								
HK2438219-006	Anonymous	EP005: Total Organic Carbon	----	1	mg/L	<1	<1	0.0
EP: Aggregate Organics (QC Lot: 6077711)								
HK2437061-001	Anonymous	EP026C: Chemical Oxygen Demand	----	5	mg/L	<5	<5	0.0
EG: Metals and Major Cations - Total (QC Lot: 6057920)								
HK2437392-001	Anonymous	EG020: Cadmium	7440-43-9	0.2	µg/L	<0.2	<0.2	0.0
		EG020: Copper	7440-50-8	1	µg/L	4	3	0.0
		EG020: Lead	7439-92-1	1	µg/L	<1	<1	0.0
		EG020: Manganese	7439-96-5	1	µg/L	<10	<10	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

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: 6059183)											
ED037: Total Alkalinity as CaCO3	----	1	mg/L	<1	50 mg/L	103	----	95.0	105	----	----
EA/ED: Physical and Aggregate Properties (QC Lot: 6059303)											
EA025: Suspended Solids (SS)	----	0.5	mg/L	<0.5	10 mg/L	96.5	----	84.9	114	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 6057977)											
EK071K: Reactive Phosphorus as P	14265-44-2	0.01	mg/L	<0.01	0.5 mg/L	97.6	----	92.4	106	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 6060211)											
ED041K: Sulphate as SO4 - Turbidimetric	----	1	mg/L	<1	5 mg/L	98.7	----	93.1	113	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 6060212)											
ED045K: Chloride	16887-00-6	1	mg/L	<1	10 mg/L	97.2	----	88.2	108	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 6068900)											
EK086: Sulphite as SO3 2-	14265-45-3	2	mg/L	<2	----	----	----	----	----	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 6069289)											
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	0.5 mg/L	98.8	----	89.3	109	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 6085135)											
EK061A: Total Kjeldahl Nitrogen as N	----	0.1	mg/L	<0.1	0.5 mg/L	109	----	88.9	119	----	----
EP: Aggregate Organics (QC Lot: 6056502)											
EP030: Biochemical Oxygen Demand	----	----	mg/L	----	198 mg/L	110	----	77.6	118	----	----
EP: Aggregate Organics (QC Lot: 6072440)											
EP005: Total Organic Carbon	----	1	mg/L	<1	5 mg/L	96.8	----	81.7	124	----	----
				<1	100 mg/L	103	----	84.8	114	----	----
EP: Aggregate Organics (QC Lot: 6075745)											
EP020: Oil & Grease	----	2	mg/L	<2	20 mg/L	95.2	----	79.1	108	----	----
EP: Aggregate Organics (QC Lot: 6077711)											
EP026C: Chemical Oxygen Demand	----	----	mg/L	----	25 mg/L	99.6	----	92.0	108	----	----
				----	250 mg/L	99.4	----	92.3	106	----	----
EG: Metals and Major Cations - Total (QC Lot: 6057919)											
EG032: Calcium	7440-70-2	50	µg/L	<50	2000 µg/L	101	----	85.0	115	----	----

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
EG: Metals and Major Cations - Total (QC Lot: 6057919) - Continued											
EG032: Iron	7439-89-6	10	µg/L	<10	2000 µg/L	104	----	85.0	115	----	----
EG032: Magnesium	7439-95-4	50	µg/L	<50	2000 µg/L	103	----	85.0	115	----	----
EG032: Potassium	7440-09-7	50	µg/L	<50	2000 µg/L	96.6	----	85.0	115	----	----
EG032: Sodium	7440-23-5	50	µg/L	<50	2000 µg/L	103	----	85.0	115	----	----
EG: Metals and Major Cations - Total (QC Lot: 6057920)											
EG020: Cadmium	7440-43-9	0.2	µg/L	<0.2	5 µg/L	96.5	----	85.0	109	----	----
EG020: Copper	7440-50-8	1	µg/L	<1	50 µg/L	102	----	90.0	111	----	----
EG020: Lead	7439-92-1	1	µg/L	<1	50 µg/L	106	----	89.0	111	----	----
EG020: Manganese	7439-96-5	1	µg/L	<1	50 µg/L	101	----	85.0	115	----	----
EG020: Nickel	7440-02-0	1	µg/L	<1	50 µg/L	102	----	87.0	110	----	----
EG020: Zinc	7440-66-6	10	µg/L	<10	50 µg/L	100	----	86.0	114	----	----

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

Matrix: **WATER**

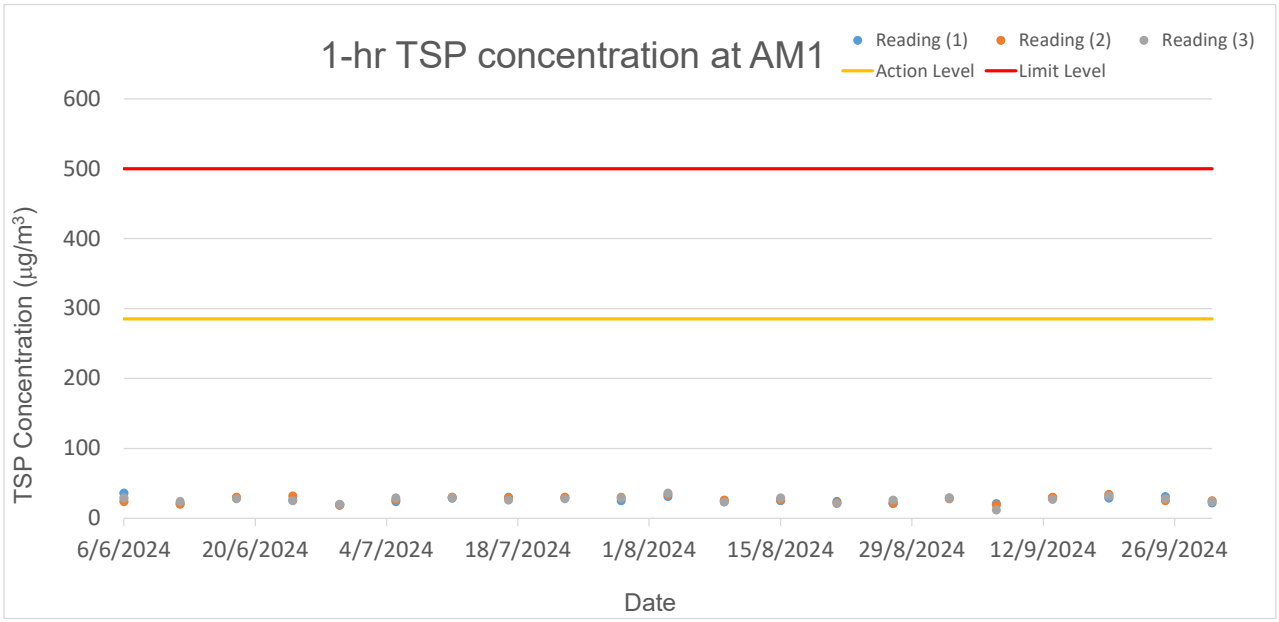
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report						
				Spike Concentration	Spike Recovery (%)		Recovery Limits (%)		RPD (%)	
					MS	MSD	Low	High	Value	Control Limit
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 6057977)										
HK2437385-001	WM2	EK071K: Reactive Phosphorus as P	14265-44-2	0.5 mg/L	101	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 6060211)										
HK2437385-001	WM2	ED041K: Sulphate as SO4 - Turbidimetric	----	50 mg/L	86.7	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 6060212)										
HK2437385-001	WM2	ED045K: Chloride	16887-00-6	5 mg/L	100	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 6069289)										
HK2437768-001	Anonymous	EK055K: Ammonia as N	7664-41-7	50 mg/L	97.6	----	75.0	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 6085135)										
HK2437148-001	Anonymous	EK061A: Total Kjeldahl Nitrogen as N	----	50 mg/L	113	----	75.0	125	----	----
EP: Aggregate Organics (QC Lot: 6072440)										
HK2438219-006	Anonymous	EP005: Total Organic Carbon	----	5 mg/L	91.7	----	75.0	125	----	----
EP: Aggregate Organics (QC Lot: 6077711)										
HK2437059-001	Anonymous	EP026C: Chemical Oxygen Demand	----	10 mg/L	98.0	----	75.0	125	----	----
EG: Metals and Major Cations - Total (QC Lot: 6057919)										
HK2437385-001	WM2	EG032: Calcium	7440-70-2	2000 µg/L	# Not Determined	----	75.0	125	----	----
		EG032: Iron	7439-89-6	2000 µg/L	108	----	75.0	125	----	----
		EG032: Magnesium	7439-95-4	2000 µg/L	101	----	75.0	125	----	----
		EG032: Potassium	7440-09-7	2000 µg/L	99.4	----	75.0	125	----	----
		EG032: Sodium	7440-23-5	2000 µg/L	104	----	75.0	125	----	----
EG: Metals and Major Cations - Total (QC Lot: 6057920)										
HK2437385-001	WM2	EG020: Cadmium	7440-43-9	5 µg/L	104	----	75.0	125	----	----
		EG020: Copper	7440-50-8	50 µg/L	106	----	75.0	125	----	----
		EG020: Lead	7439-92-1	50 µg/L	108	----	75.0	125	----	----

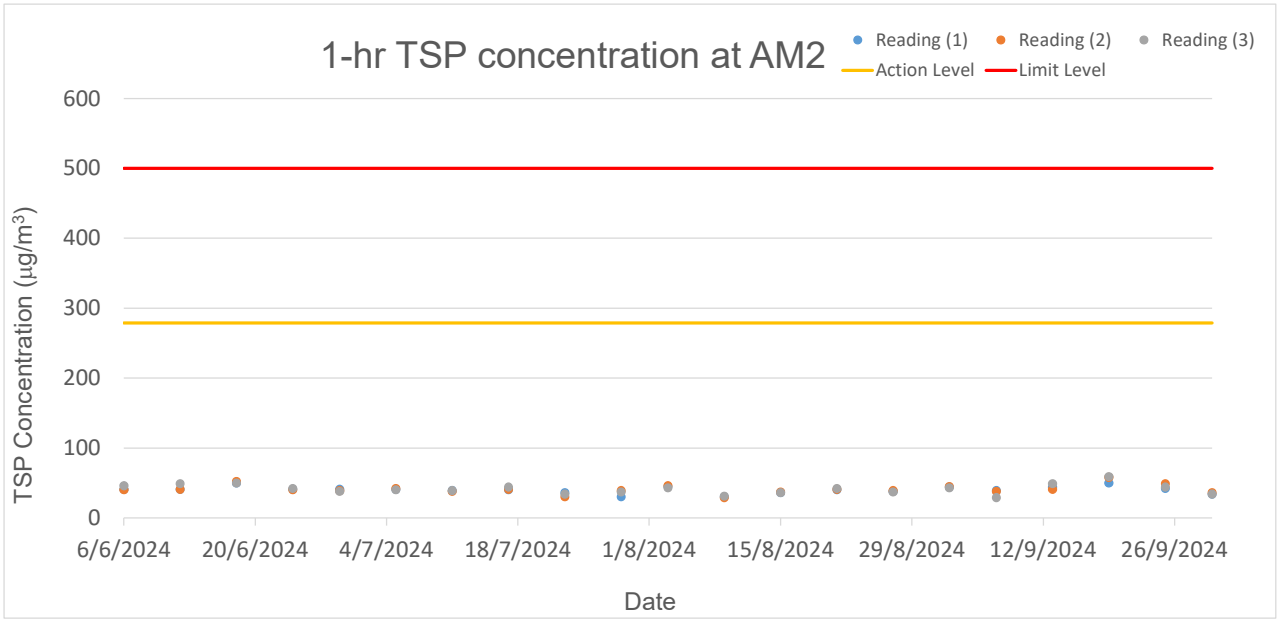
Matrix: **WATER**

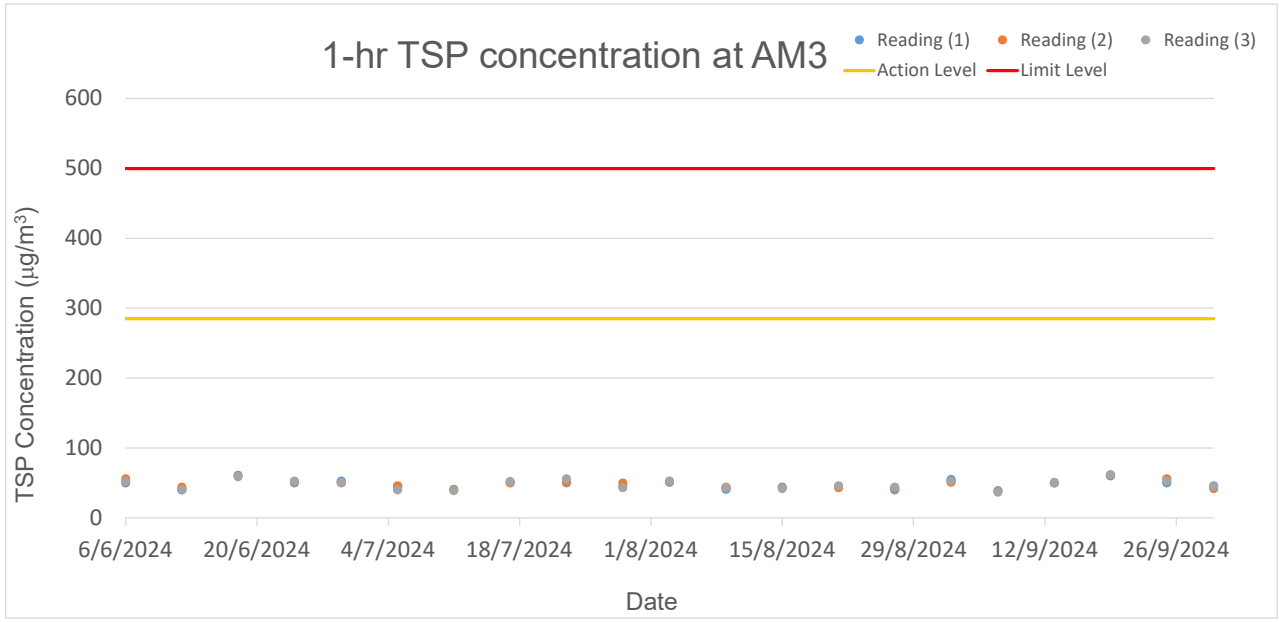
Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report										
				Spike Concentration	Spike Recovery (%)		Recovery Limits (%)		RPD (%)	
Laboratory sample ID	Sample ID	Method: Compound	CAS Number		MS	MSD	Low	High	Value	Control Limit
EG: Metals and Major Cations - Total (QC Lot: 6057920) - Continued										
HK2437385-001	WM2	**EG020: Manganese**	7439-96-5	50 µg/L	# Not Determined	----	75.0	125	----	----
		EG020: Nickel	7440-02-0	50 µg/L	102	----	75.0	125	----	----
		EG020: Zinc	7440-66-6	50 µg/L	104	----	75.0	125	----	----

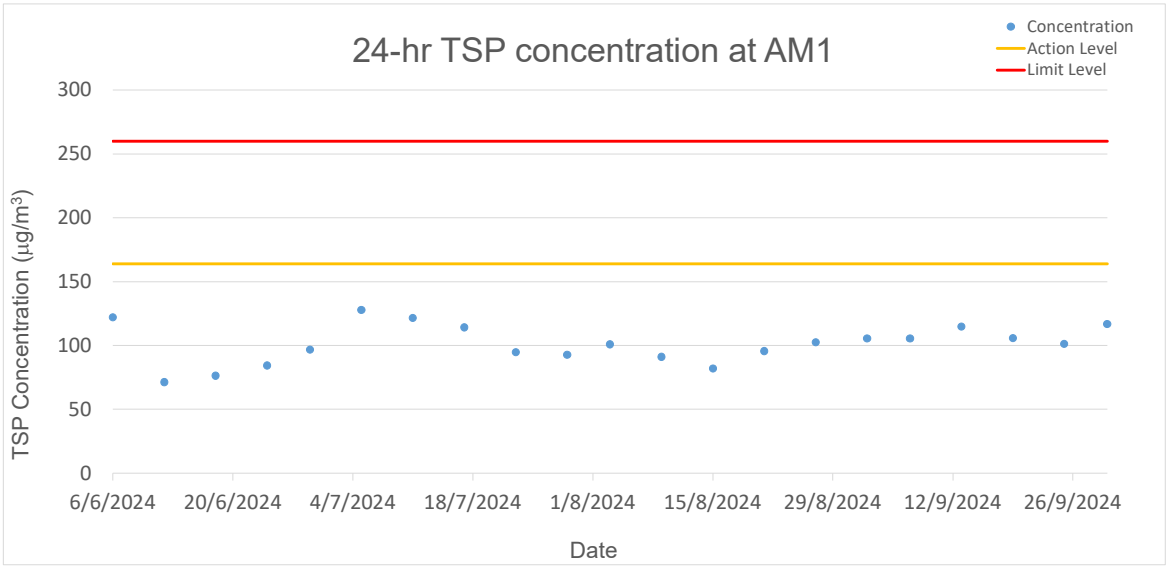
Appendix G Graphical Presentations

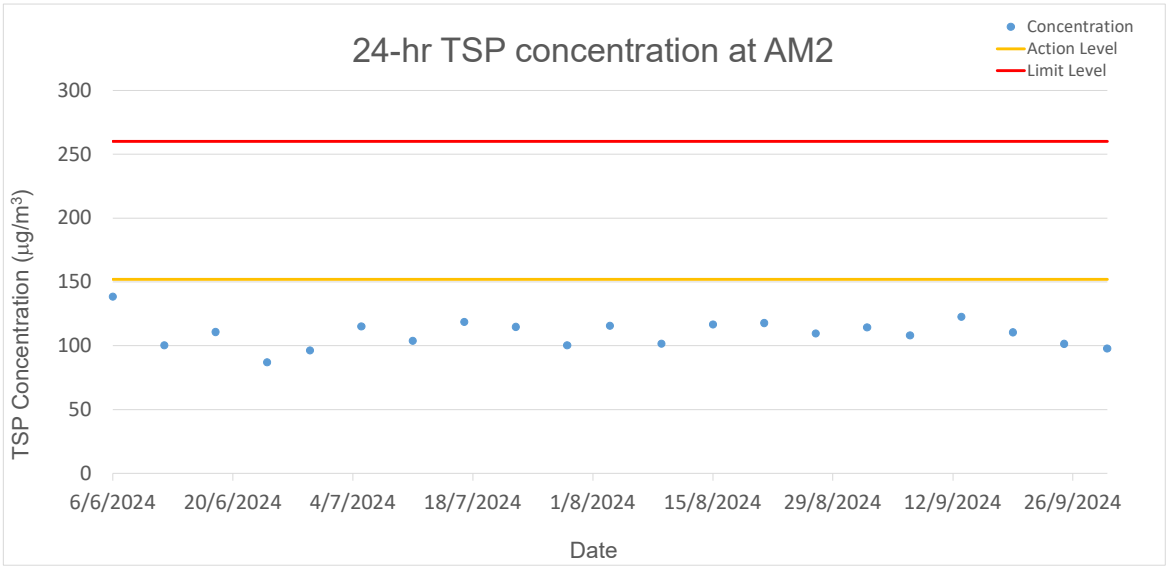
Air Quality

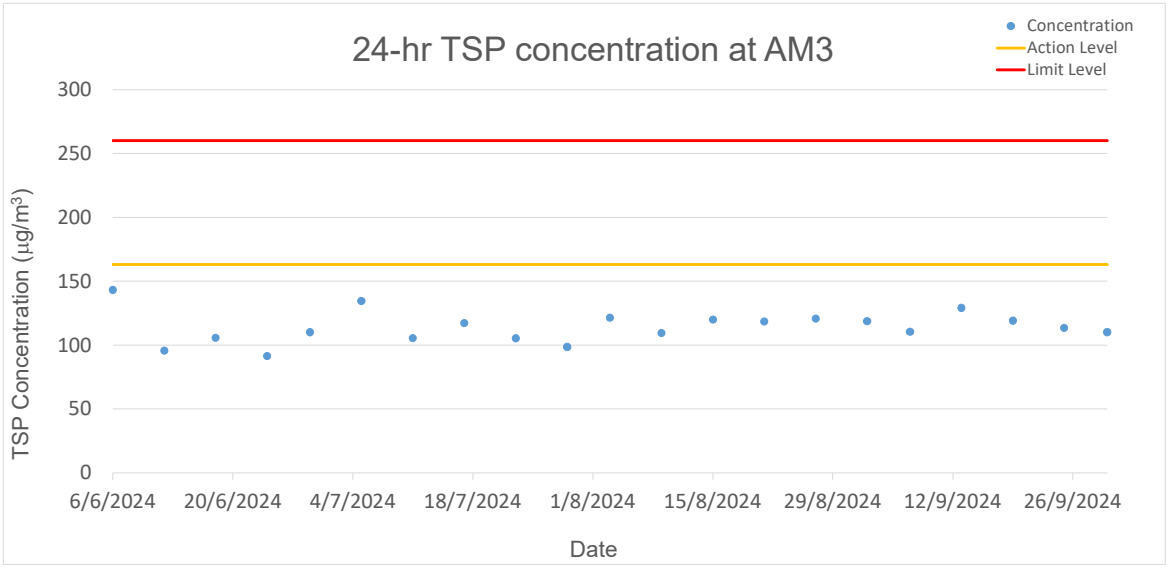

1-hr TSP concentration at AM1
Reading (1)
Reading (2)
Reading (3)
Action Level
Limit Level
TSP Concentration (µg/m³)
600
500
400
300
200
100
0
6/6/2024
20/6/2024
4/7/2024
18/7/2024
1/8/2024
15/8/2024
29/8/2024
12/9/2024
26/9/2024
Date


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
6/6/2024
20/6/2024
4/7/2024
18/7/2024
1/8/2024
15/8/2024
29/8/2024
12/9/2024
26/9/2024
Date

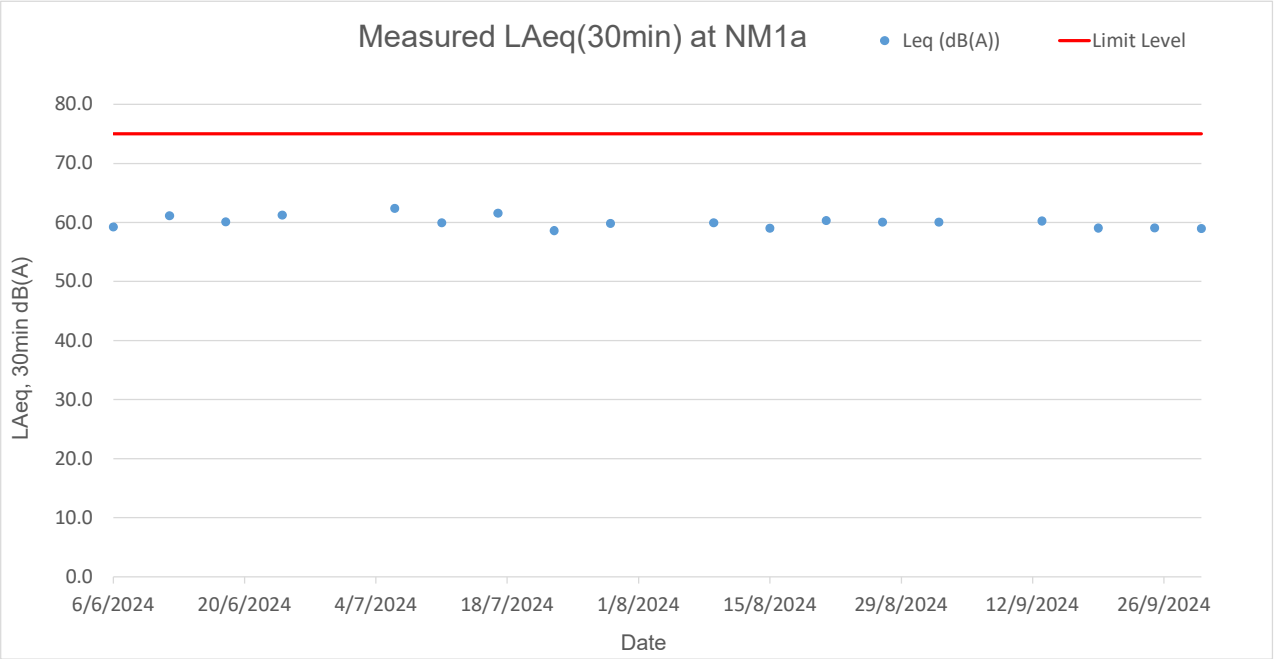

1-hr TSP concentration at AM3
Reading (1)
Reading (2)
Reading (3)
Action Level
Limit Level
TSP Concentration (µg/m³)
600
500
400
300
200
100
0
6/6/2024
20/6/2024
4/7/2024
18/7/2024
1/8/2024
15/8/2024
29/8/2024
12/9/2024
26/9/2024
Date

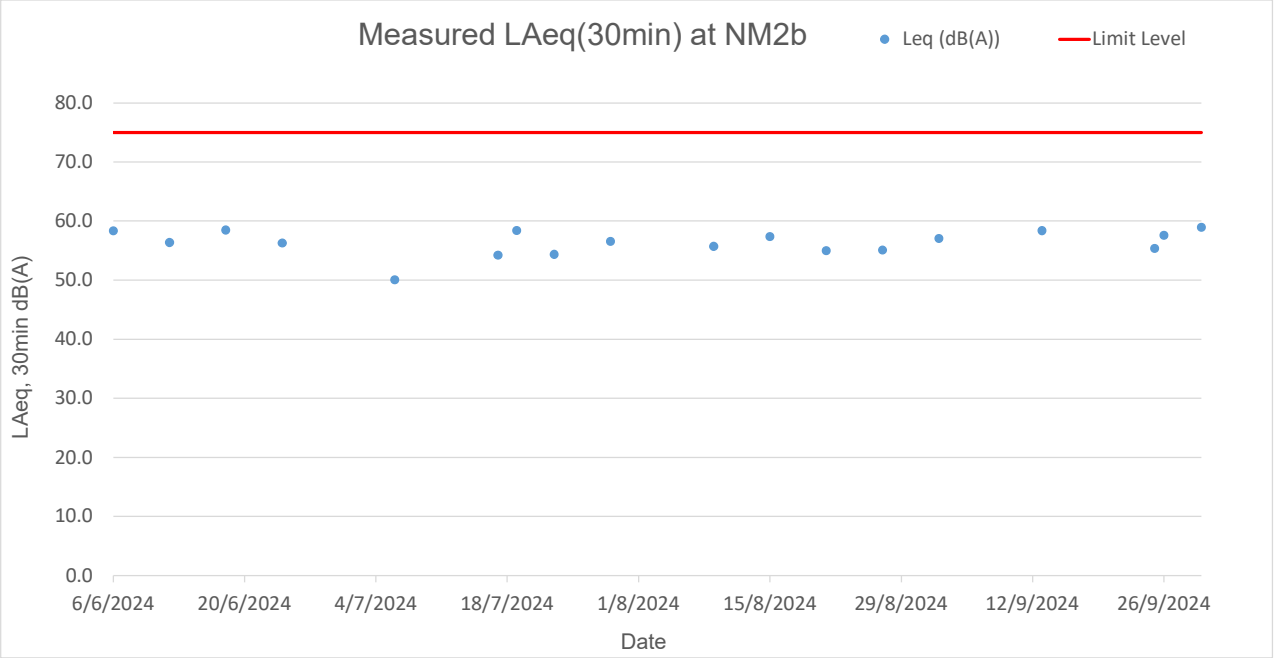

24-hr TSP concentration at AM1
Concentration
Action Level
Limit Level
TSP Concentration (µg/m³)
300
250
200
150
100
50
0
6/6/2024
20/6/2024
4/7/2024
18/7/2024
1/8/2024
15/8/2024
29/8/2024
12/9/2024
26/9/2024
Date


24-hr TSP concentration at AM2
Concentration
Action Level
Limit Level
TSP Concentration (µg/m³)
300
250
200
150
100
50
0
6/6/2024
20/6/2024
4/7/2024
18/7/2024
1/8/2024
15/8/2024
29/8/2024
12/9/2024
26/9/2024
Date


24-hr TSP concentration at AM3
Concentration
Action Level
Limit Level
TSP Concentration (µg/m³)
300
250
200
150
100
50
0
6/6/2024
20/6/2024
4/7/2024
18/7/2024
1/8/2024
15/8/2024
29/8/2024
12/9/2024
26/9/2024
Date

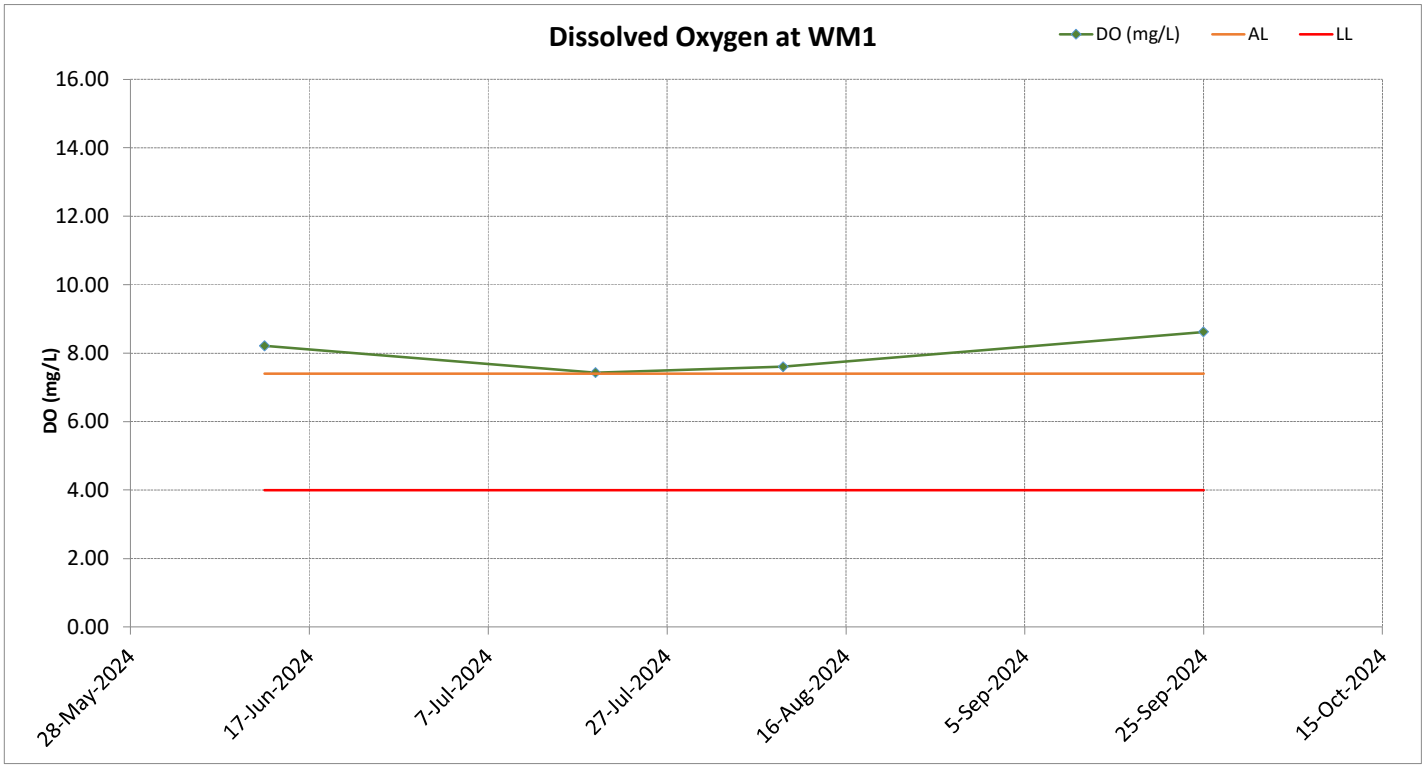
Noise

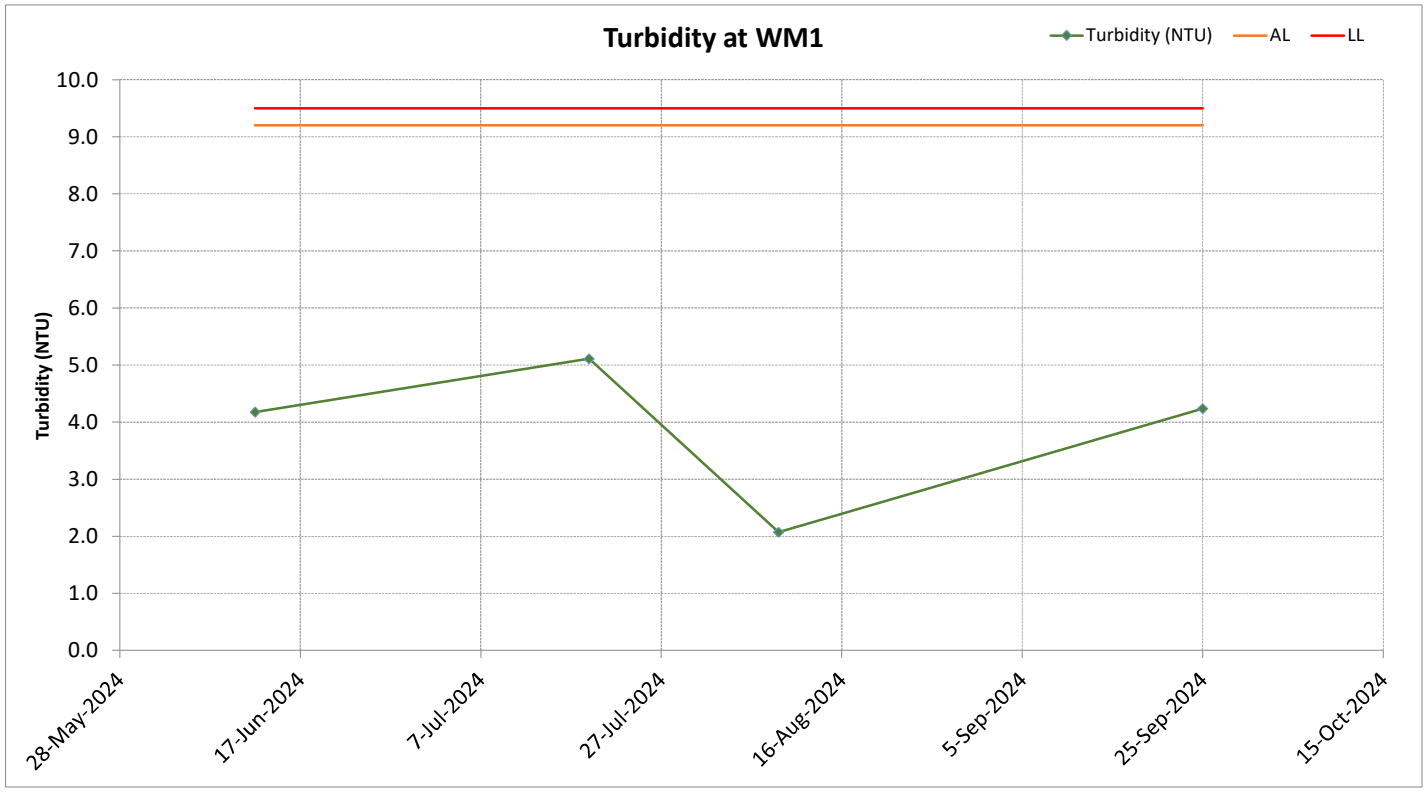

Measured LAeq(30min) at NM1a
Leq (dB(A))
Limit Level
80.0
70.0
60.0
50.0
40.0
30.0
20.0
10.0
0.0
LAeq, 30min dB(A)
6/6/2024
20/6/2024
4/7/2024
18/7/2024
1/8/2024
15/8/2024
29/8/2024
12/9/2024
26/9/2024
Date


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)
6/6/2024
20/6/2024
4/7/2024
18/7/2024
1/8/2024
15/8/2024
29/8/2024
12/9/2024
26/9/2024
Date

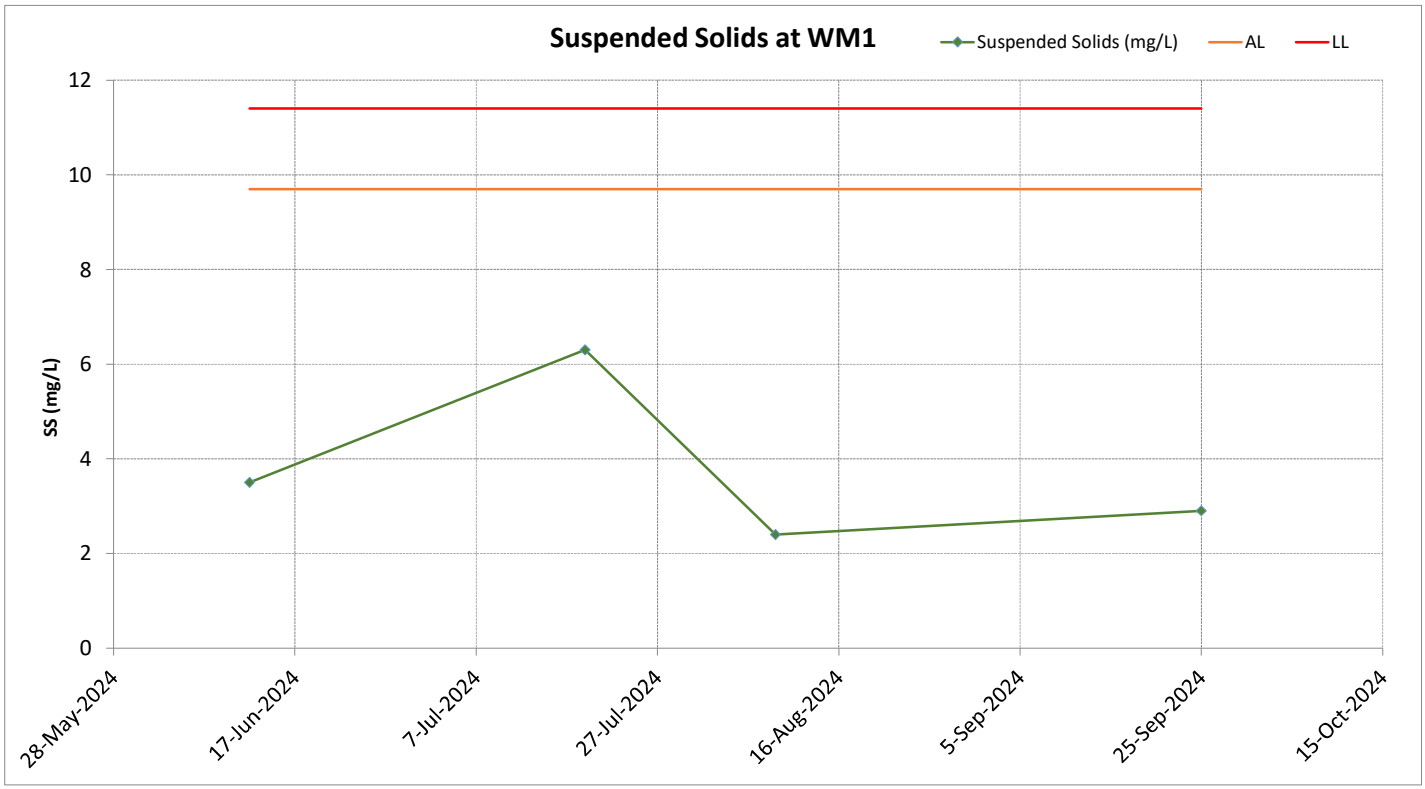
Water Quality

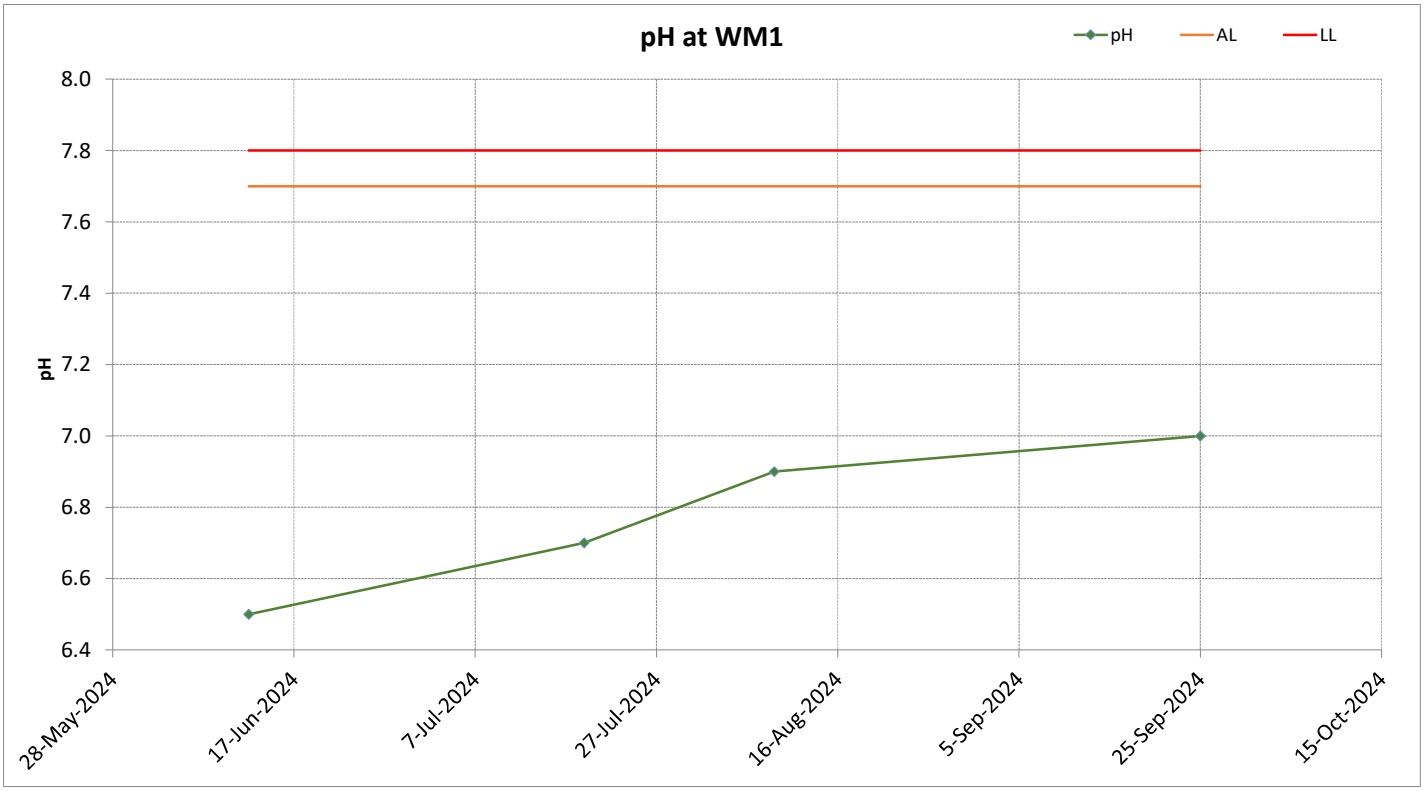
Surface Water Monitoring Results at WM1



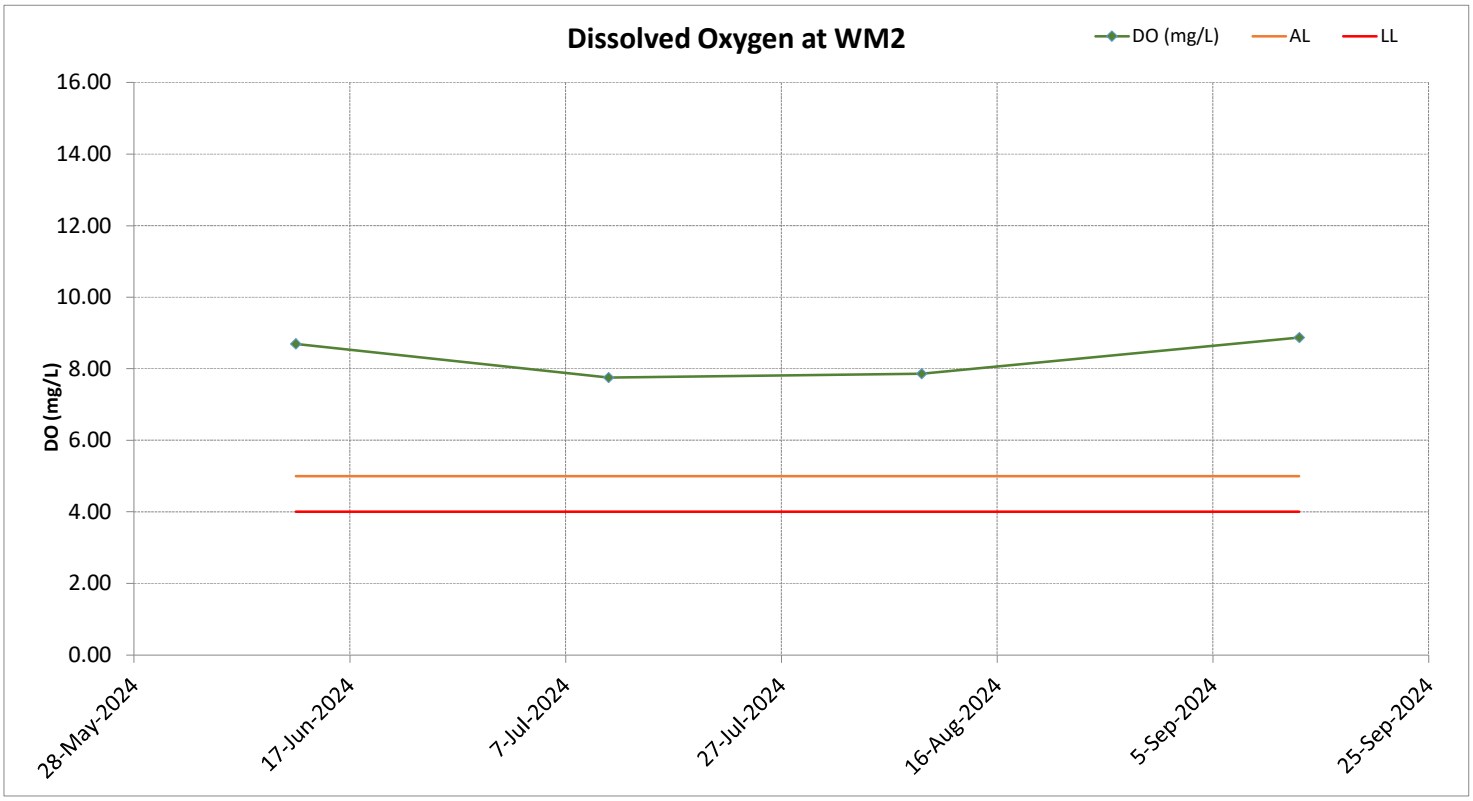


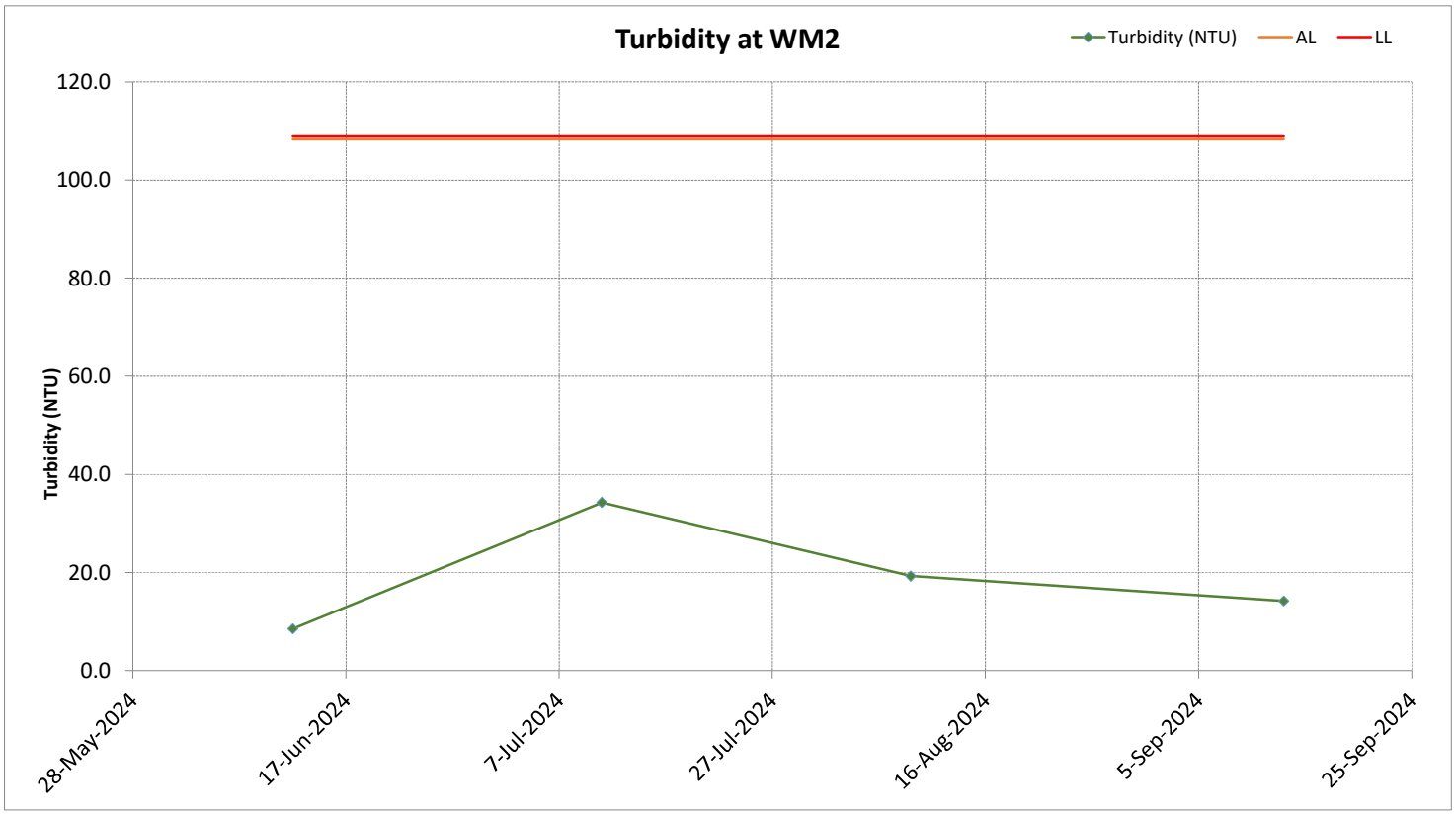
Surface Water Monitoring Results at WM1



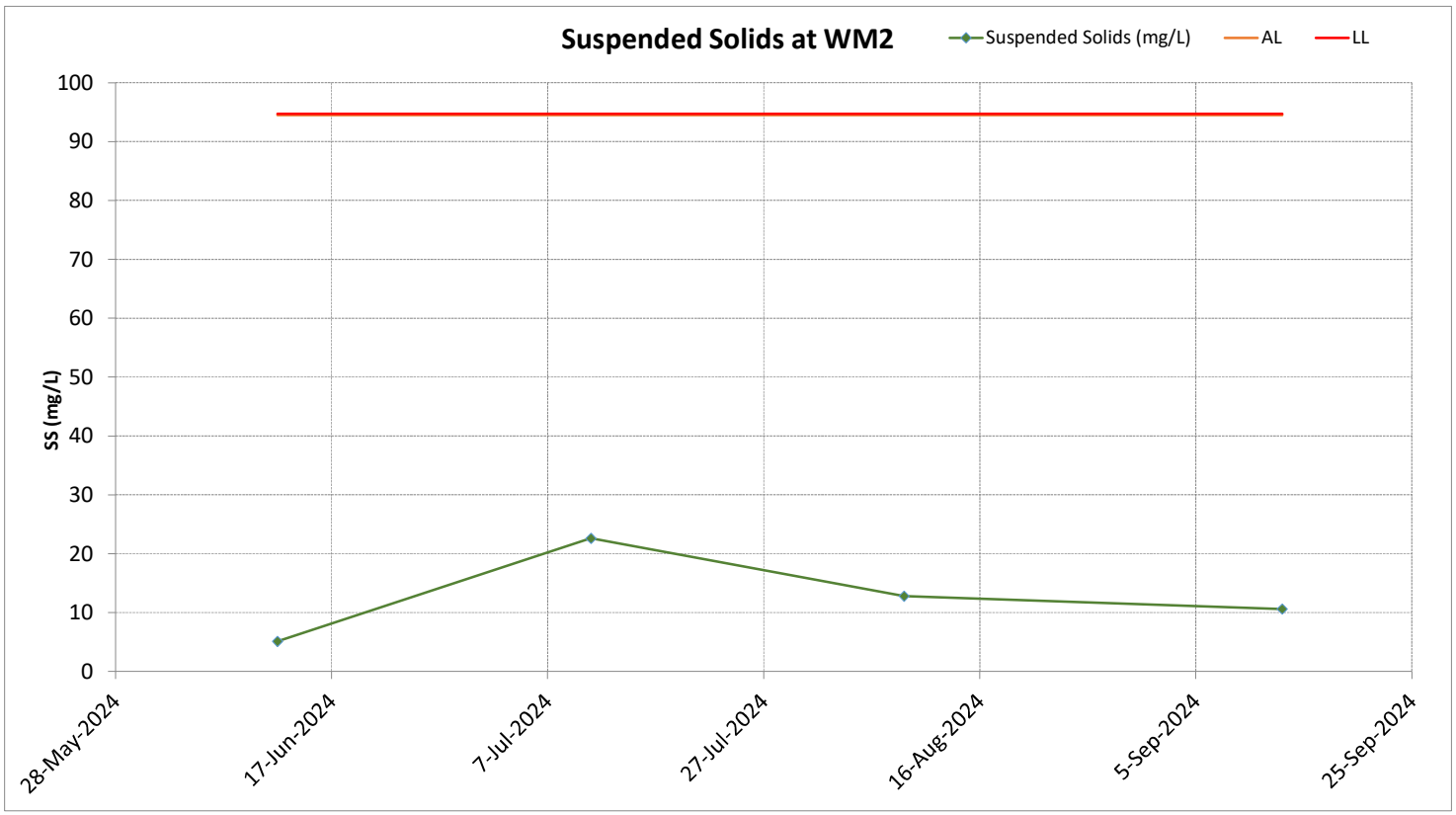


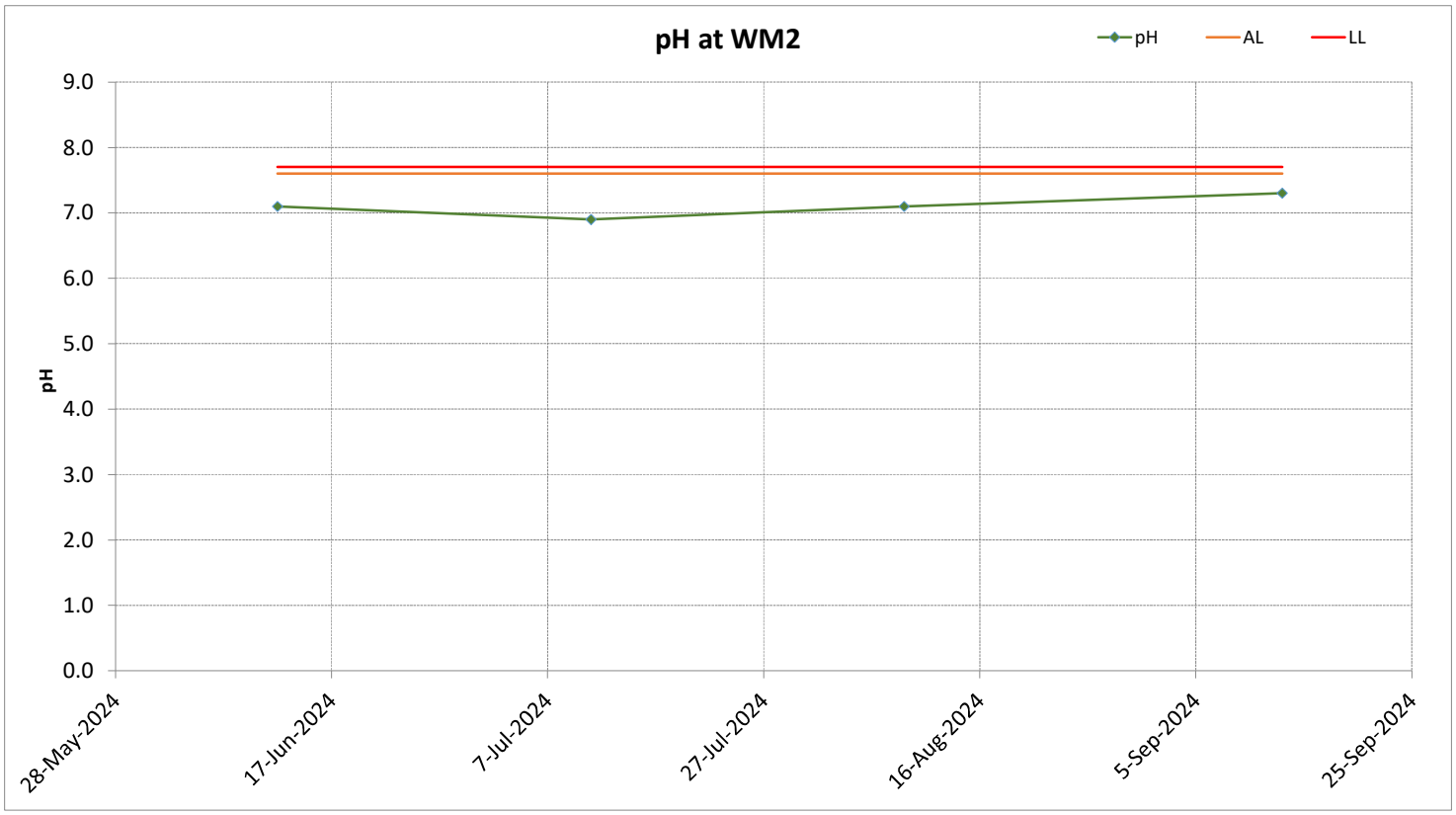
Surface Water Monitoring Results at WM2





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)
20240901_0003	0.1	104
20240901_0013	0.1	139
20240901_0023	0.1	8
20240901_0033	0.1	176
20240901_0043	0.1	201
20240901_0053	0.1	91
20240901_0103	0.1	116
20240901_0113	0.3	107
20240901_0123	0.1	53
20240901_0133	0.1	14
20240901_0143	0.1	125
20240901_0153	0.1	118
20240901_0203	0.1	33
20240901_0213	0.1	42
20240901_0223	0.1	52
20240901_0233	0.1	57
20240901_0243	0.1	76
20240901_0253	0.1	107
20240901_0303	0.1	125
20240901_0313	0.1	133
20240901_0323	0.1	87
20240901_0333	0.1	51
20240901_0343	0.1	37
20240901_0353	0.1	99
20240901_0403	0.1	50
20240901_0413	0.1	48
20240901_0423	0.1	85
20240901_0433	0.1	85
20240901_0443	0.1	85
20240901_0453	0.1	85
20240901_0503	0.1	85
20240901_0513	0.1	72
20240901_0523	0.1	71
20240901_0533	0.1	71
20240901_0543	0.1	71
20240901_0553	0.1	71
20240901_0603	0.1	65
20240901_0613	0.1	66
20240901_0623	0.1	66
20240901_0633	0.1	99
20240901_0643	0.1	99
20240901_0653	0.1	99
20240901_0703	0.1	99
20240901_0713	0.1	122
20240901_0723	0.1	122
20240901_0733	0.1	110
20240901_0743	0.1	172
20240901_0753	0.1	192
20240901_0803	0.1	230
20240901_0813	0.1	169
20240901_0823	0.1	181
20240901_0833	0.1	170
20240901_0843	0.1	125
20240901_0853	0.1	163
20240901_0903	0.1	145
20240901_0913	0.1	170
20240901_0923	0.1	150
20240901_0933	0.1	139
20240901_0943	0.1	139
20240901_0953	0.1	337
20240901_1003	0.1	111
20240901_1013	0.1	94
20240901_1023	0.1	145
20240901_1033	0.1	135
20240901_1043	0.1	204
20240901_1053	0.1	202
20240901_1103	0.2	166
20240901_1113	0.1	170
20240901_1123	0.1	135
20240901_1133	0.1	181
20240901_1143	0.1	49
20240901_1153	0.1	317

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20240901_1203	0.1	327
20240901_1213	0.1	264
20240901_1223	0.1	324
20240901_1233	0.1	317
20240901_1243	0.1	147
20240901_1253	0.1	42
20240901_1303	0.1	241
20240901_1313	1.2	133
20240901_1323	0.1	96
20240901_1333	0.1	321
20240901_1343	0.1	118
20240901_1353	0.1	70
20240901_1403	0.1	108
20240901_1413	0.1	93
20240901_1423	0.1	54
20240901_1433	0.1	150
20240901_1443	0.1	269
20240901_1453	0.3	165
20240901_1503	1.4	119
20240901_1513	0.4	156
20240901_1523	0.1	144
20240901_1533	0.1	123
20240901_1543	0.1	111
20240901_1553	0.1	154
20240901_1603	0.1	135
20240901_1613	0.1	343
20240901_1623	0.1	185
20240901_1633	0.1	145
20240901_1643	0.1	168
20240901_1653	1.1	145
20240901_1703	0.1	111
20240901_1713	0.1	92
20240901_1723	0.1	110
20240901_1733	0.1	38
20240901_1743	0.1	93
20240901_1753	0.1	72
20240901_1803	0.1	101
20240901_1813	0.1	145
20240901_1823	0.1	100
20240901_1833	0.1	161
20240901_1843	0.1	-1
20240901_1853	0.1	78
20240901_1903	0.3	107
20240901_1913	0.1	144
20240901_1923	0.1	111
20240901_1933	0.1	106
20240901_1943	0.1	15
20240901_1953	0.1	129
20240901_2003	0.1	112
20240901_2013	0.1	61
20240901_2023	0.1	24
20240901_2033	1.1	124
20240901_2043	0.1	81
20240901_2053	0.1	119
20240901_2103	0.1	350
20240901_2113	0.1	115
20240901_2123	0.1	134
20240901_2133	0.1	49
20240901_2143	0.1	48
20240901_2153	0.1	216
20240901_2203	0.1	54
20240901_2213	0.1	52
20240901_2223	0.1	25
20240901_2233	0.1	67
20240901_2243	0.1	44
20240901_2253	0.1	123
20240901_2303	0.1	123
20240901_2313	0.1	41
20240901_2323	0.1	41
20240901_2333	0.1	138
20240901_2343	0.1	140
20240901_2353	0.1	94

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20240902_0003	0.1	94
20240902_0013	0.1	94
20240902_0023	0.1	96
20240902_0033	0.1	95
20240902_0043	0.1	54
20240902_0053	0.1	339
20240902_0103	0.1	57
20240902_0113	0.1	109
20240902_0123	0.1	117
20240902_0133	0.1	117
20240902_0143	0.1	117
20240902_0153	0.1	123
20240902_0203	0.1	102
20240902_0213	0.1	67
20240902_0223	0.1	68
20240902_0233	0.1	77
20240902_0243	0.1	78
20240902_0253	0.1	78
20240902_0303	0.1	78
20240902_0313	0.1	57
20240902_0323	0.1	143
20240902_0333	0.1	143
20240902_0343	0.1	143
20240902_0353	0.1	79
20240902_0403	0.1	69
20240902_0413	0.1	60
20240902_0423	0.1	53
20240902_0433	0.1	48
20240902_0443	0.1	146
20240902_0453	0.1	146
20240902_0503	0.1	52
20240902_0513	0.1	52
20240902_0523	0.1	52
20240902_0533	0.1	52
20240902_0543	0.1	52
20240902_0553	0.1	52
20240902_0603	0.1	52
20240902_0613	0.1	52
20240902_0623	0.1	52
20240902_0633	0.1	52
20240902_0643	0.1	52
20240902_0653	0.1	109
20240902_0703	0.1	109
20240902_0713	0.1	109
20240902_0723	0.1	109
20240902_0733	0.1	279
20240902_0743	0.1	143
20240902_0753	0.1	173
20240902_0803	0.1	133
20240902_0813	0.1	146
20240902_0823	0.1	127
20240902_0833	0.1	99
20240902_0843	0.1	201
20240902_0853	0.1	269
20240902_0903	0.1	100
20240902_0913	0.1	176
20240902_0923	0.1	142
20240902_0933	0.1	143
20240902_0943	0.7	150
20240902_0953	0.1	132
20240902_1003	0.1	40
20240902_1013	0.1	213
20240902_1023	0.1	279
20240902_1033	0.1	225
20240902_1043	0.1	161
20240902_1053	0.1	176
20240902_1103	0.3	104
20240902_1113	0.1	26
20240902_1123	0.1	6
20240902_1133	0.1	99
20240902_1143	0.1	78
20240902_1153	0.1	73

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20240902_1203	0.1	97
20240902_1213	0.1	183
20240902_1223	0.1	146
20240902_1233	0.1	92
20240902_1243	0.1	11
20240902_1253	0.1	338
20240902_1303	0.1	95
20240902_1313	0.1	75
20240902_1323	0.1	147
20240902_1333	0.3	158
20240902_1343	0.1	6
20240902_1353	0.5	257
20240902_1403	0.6	212
20240902_1413	1.4	172
20240902_1423	0.1	141
20240902_1433	0.1	-1
20240902_1443	0.2	152
20240902_1453	0.1	241
20240902_1503	0.1	159
20240902_1513	0.1	47
20240902_1523	0.1	172
20240902_1533	0.1	133
20240902_1543	0.1	30
20240902_1553	0.1	333
20240902_1603	0.1	36
20240902_1613	0.1	6
20240902_1623	0.1	52
20240902_1633	0.1	18
20240902_1643	0.1	110
20240902_1653	0.1	34
20240902_1703	0.1	300
20240902_1713	0.1	123
20240902_1723	0.1	133
20240902_1733	0.1	122
20240902_1743	0.1	114
20240902_1753	0.1	206
20240902_1803	0.1	111
20240902_1813	0.1	26
20240902_1823	0.1	60
20240902_1833	0.1	26
20240902_1843	0.5	138
20240902_1853	0.1	109
20240902_1903	0.3	109
20240902_1913	0.2	184
20240902_1923	0.8	105
20240902_1933	0.1	178
20240902_1943	0.1	120
20240902_1953	0.1	90
20240902_2003	0.1	134
20240902_2013	0.1	43
20240902_2023	0.1	304
20240902_2033	0.1	26
20240902_2043	0.1	96
20240902_2053	1.9	143
20240902_2103	0.2	119
20240902_2113	0.1	96
20240902_2123	0.1	84
20240902_2133	0.1	124
20240902_2143	0.1	251
20240902_2153	0.1	82
20240902_2203	0.1	318
20240902_2213	0.1	285
20240902_2223	0.1	47
20240902_2233	0.1	47
20240902_2243	0.1	47
20240902_2253	0.1	46
20240902_2303	0.1	320
20240902_2313	0.1	176
20240902_2323	0.1	318
20240902_2333	0.1	298
20240902_2343	0.1	45
20240902_2353	0.1	228

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20240903_0003	0.1	53
20240903_0013	0.1	221
20240903_0023	0.1	324
20240903_0033	0.1	57
20240903_0043	0.1	24
20240903_0053	0.1	16
20240903_0103	0.1	39
20240903_0113	0.1	335
20240903_0123	0.1	328
20240903_0133	0.1	53
20240903_0143	0.1	34
20240903_0153	0.1	342
20240903_0203	0.1	164
20240903_0213	0.1	164
20240903_0223	0.1	151
20240903_0233	0.1	124
20240903_0243	0.1	94
20240903_0253	0.1	58
20240903_0303	0.1	145
20240903_0313	0.1	145
20240903_0323	0.1	66
20240903_0333	0.1	53
20240903_0343	0.1	89
20240903_0353	0.1	142
20240903_0403	0.1	140
20240903_0413	0.1	61
20240903_0423	0.1	159
20240903_0433	0.1	41
20240903_0443	0.1	56
20240903_0453	0.1	74
20240903_0503	0.1	91
20240903_0513	0.1	122
20240903_0523	0.1	122
20240903_0533	0.1	122
20240903_0543	0.1	79
20240903_0553	0.1	79
20240903_0603	0.1	79
20240903_0613	0.1	79
20240903_0623	0.1	79
20240903_0633	0.1	89
20240903_0643	0.1	89
20240903_0653	0.1	116
20240903_0703	0.1	146
20240903_0713	0.1	257
20240903_0723	0.1	133
20240903_0733	0.1	205
20240903_0743	0.1	277
20240903_0753	0.1	122
20240903_0803	0.1	175
20240903_0813	0.1	171
20240903_0823	0.1	151
20240903_0833	0.1	150
20240903_0843	0.2	108
20240903_0853	0.5	150
20240903_0903	0.3	143
20240903_0913	0.4	139
20240903_0923	0.1	88
20240903_0933	0.1	130
20240903_0943	0.1	127
20240903_0953	0.4	78
20240903_1003	0.7	160
20240903_1013	0.6	284
20240903_1023	2.2	162
20240903_1033	0.1	183
20240903_1043	0.1	79
20240903_1053	0.1	192
20240903_1103	0.1	307
20240903_1113	0.1	219
20240903_1123	0.2	210
20240903_1133	0.5	166
20240903_1143	0.1	159
20240903_1153	0.1	261

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20240903_1203	0.4	251
20240903_1213	0.1	189
20240903_1223	1.3	139
20240903_1233	0.1	136
20240903_1243	0.1	178
20240903_1253	1.4	150
20240903_1303	0.4	278
20240903_1313	0.1	278
20240903_1323	1.1	140
20240903_1333	0.4	51
20240903_1343	0.1	215
20240903_1353	0.1	322
20240903_1403	0.6	148
20240903_1413	0.1	137
20240903_1423	0.1	347
20240903_1433	3.1	107
20240903_1443	1.5	114
20240903_1453	0.1	332
20240903_1503	0.4	178
20240903_1513	0.1	187
20240903_1523	0.9	282
20240903_1533	1	145
20240903_1543	0.2	23
20240903_1553	0.3	126
20240903_1603	0.1	342
20240903_1613	0.1	219
20240903_1623	0.1	158
20240903_1633	1.4	139
20240903_1643	0.1	159
20240903_1653	0.2	144
20240903_1703	0.1	34
20240903_1713	0.1	140
20240903_1723	0.1	87
20240903_1733	0.1	107
20240903_1743	0.1	82
20240903_1753	0.1	133
20240903_1803	0.1	77
20240903_1813	0.1	120
20240903_1823	0.1	65
20240903_1833	0.1	71
20240903_1843	0.1	100
20240903_1853	0.1	69
20240903_1903	0.1	125
20240903_1913	0.1	115
20240903_1923	0.1	102
20240903_1933	0.1	65
20240903_1943	0.1	166
20240903_1953	0.1	192
20240903_2003	0.1	339
20240903_2013	0.3	114
20240903_2023	0.1	56
20240903_2033	0.1	169
20240903_2043	0.1	118
20240903_2053	0.1	145
20240903_2103	0.1	110
20240903_2113	0.1	45
20240903_2123	0.1	70
20240903_2133	0.1	109
20240903_2143	0.1	289
20240903_2153	5	297
20240903_2203	1.6	97
20240903_2213	0.2	129
20240903_2223	0.1	141
20240903_2233	0.1	177
20240903_2243	0.1	183
20240903_2253	0.1	289
20240903_2303	0.1	154
20240903_2313	0.1	332
20240903_2323	0.1	150
20240903_2333	0.1	130
20240903_2343	0.1	139
20240903_2353	0.1	145

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20240904_0003	0.1	14
20240904_0013	0.1	134
20240904_0023	0.3	156
20240904_0033	0.1	94
20240904_0043	0.1	108
20240904_0053	0.1	312
20240904_0103	0.1	12
20240904_0113	0.1	157
20240904_0123	0.1	264
20240904_0133	0.1	152
20240904_0143	0.1	96
20240904_0153	0.1	119
20240904_0203	0.1	186
20240904_0213	0.1	146
20240904_0223	0.1	146
20240904_0233	0.1	62
20240904_0243	0.1	91
20240904_0253	0.1	308
20240904_0303	0.1	159
20240904_0313	0.1	164
20240904_0323	0.1	120
20240904_0333	0.1	56
20240904_0343	0.1	70
20240904_0353	0.1	93
20240904_0403	0.1	122
20240904_0413	0.1	155
20240904_0423	0.1	281
20240904_0433	0.1	85
20240904_0443	0.1	265
20240904_0453	0.1	220
20240904_0503	0.1	152
20240904_0513	0.1	24
20240904_0523	0.1	129
20240904_0533	0.1	139
20240904_0543	0.1	126
20240904_0553	0.1	77
20240904_0603	0.1	60
20240904_0613	0.1	332
20240904_0623	0.1	44
20240904_0633	0.1	42
20240904_0643	0.1	25
20240904_0653	0.1	348
20240904_0703	0.1	339
20240904_0713	0.1	47
20240904_0723	0.1	133
20240904_0733	0.1	292
20240904_0743	0.1	139
20240904_0753	0.1	34
20240904_0803	0.1	239
20240904_0813	0.1	46
20240904_0823	0.1	77
20240904_0833	0.1	62
20240904_0843	0.1	15
20240904_0853	0.1	106
20240904_0903	0.3	266
20240904_0913	0.1	152
20240904_0923	0.1	56
20240904_0933	0.5	51
20240904_0943	0.2	43
20240904_0953	0.1	139
20240904_1003	1.6	117
20240904_1013	0.1	91
20240904_1023	0.1	277
20240904_1033	0.9	150
20240904_1043	0.8	145
20240904_1053	2	175
20240904_1103	0.4	151
20240904_1113	0.1	312
20240904_1123	0.1	271
20240904_1133	1.6	133
20240904_1143	1	27
20240904_1153	0.7	25

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20240904_1203	0.1	177
20240904_1213	1.3	88
20240904_1223	0.1	59
20240904_1233	0.3	129
20240904_1243	0.1	153
20240904_1253	0.1	178
20240904_1303	0.1	322
20240904_1313	0.4	80
20240904_1323	0.6	143
20240904_1333	0.1	110
20240904_1343	0.5	275
20240904_1353	0.4	142
20240904_1403	0.1	0
20240904_1413	0.1	314
20240904_1423	0.2	188
20240904_1433	1	80
20240904_1443	0.1	66
20240904_1453	0.1	240
20240904_1503	0.2	49
20240904_1513	0.1	313
20240904_1523	0.1	325
20240904_1533	0.4	172
20240904_1543	2.6	269
20240904_1553	0.4	124
20240904_1603	0.2	109
20240904_1613	0.1	188
20240904_1623	0.1	144
20240904_1633	0.1	154
20240904_1643	0.1	135
20240904_1653	0.1	127
20240904_1703	0.8	109
20240904_1713	0.1	341
20240904_1723	0.1	332
20240904_1733	0.1	98
20240904_1743	0.1	262
20240904_1753	0.1	348
20240904_1803	0.1	65
20240904_1813	0.1	136
20240904_1823	0.1	86
20240904_1833	0.1	136
20240904_1843	0.1	117
20240904_1853	0.1	89
20240904_1903	0.1	178
20240904_1913	1.2	65
20240904_1923	0.2	150
20240904_1933	0.2	108
20240904_1943	0.1	57
20240904_1953	4.2	45
20240904_2003	0.3	3
20240904_2013	0.1	102
20240904_2023	0.6	18
20240904_2033	0.5	36
20240904_2043	1	274
20240904_2053	1	17
20240904_2103	0.1	27
20240904_2113	0.2	50
20240904_2123	0.1	251
20240904_2133	0.3	219
20240904_2143	0.1	127
20240904_2153	0.2	341
20240904_2203	0.1	70
20240904_2213	0.1	53
20240904_2223	0.1	157
20240904_2233	0.4	347
20240904_2243	0.1	218
20240904_2253	0.1	119
20240904_2303	0.1	265
20240904_2313	0.1	191
20240904_2323	0.1	144
20240904_2333	0.1	61
20240904_2343	0.1	150
20240904_2353	0.1	245

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20240905_0003	0.1	158
20240905_0013	0.1	146
20240905_0023	0.1	140
20240905_0033	0.1	209
20240905_0043	0.1	140
20240905_0053	0.1	53
20240905_0103	0.1	9
20240905_0113	0.1	128
20240905_0123	0.1	122
20240905_0133	0.1	275
20240905_0143	0.1	67
20240905_0153	0.1	67
20240905_0203	0.1	124
20240905_0213	0.1	77
20240905_0223	0.1	86
20240905_0233	0.1	84
20240905_0243	0.1	53
20240905_0253	0.1	184
20240905_0303	0.1	42
20240905_0313	0.1	66
20240905_0323	0.1	5
20240905_0333	0.1	30
20240905_0343	0.1	77
20240905_0353	0.1	270
20240905_0403	0.1	94
20240905_0413	0.1	321
20240905_0423	0.1	96
20240905_0433	0.1	134
20240905_0443	0.1	47
20240905_0453	0.1	83
20240905_0503	0.1	58
20240905_0513	0.1	98
20240905_0523	0.1	63
20240905_0533	0.1	63
20240905_0543	0.1	65
20240905_0553	0.1	50
20240905_0603	0.1	329
20240905_0613	0.1	45
20240905_0623	0.1	47
20240905_0633	0.1	40
20240905_0643	0.1	148
20240905_0653	0.1	22
20240905_0703	0.1	148
20240905_0713	0.1	265
20240905_0723	0.4	161
20240905_0733	0.1	317
20240905_0743	0.1	86
20240905_0753	0.5	298
20240905_0803	0.1	62
20240905_0813	1.3	132
20240905_0823	0.8	145
20240905_0833	0.1	101
20240905_0843	0.1	343
20240905_0853	0.9	343
20240905_0903	2.5	48
20240905_0913	0.1	38
20240905_0923	1	19
20240905_0933	0.6	334
20240905_0943	0.2	17
20240905_0953	1.1	59
20240905_1003	0.7	13
20240905_1013	1	21
20240905_1023	1	327
20240905_1033	1.6	66
20240905_1043	0.1	157
20240905_1053	1.2	240
20240905_1103	0.3	7
20240905_1113	0.1	233
20240905_1123	0.1	158
20240905_1133	0.1	171
20240905_1143	3.8	78
20240905_1153	6.5	68

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20240905_1203	0.1	278
20240905_1213	3.7	28
20240905_1223	1.8	46
20240905_1233	0.6	48
20240905_1243	0.5	165
20240905_1253	1.1	260
20240905_1303	0.4	1
20240905_1313	1.8	100
20240905_1323	2.7	61
20240905_1333	2.3	71
20240905_1343	0.5	74
20240905_1353	6.1	48
20240905_1403	3.6	34
20240905_1413	1	39
20240905_1423	5.9	0
20240905_1433	4.3	60
20240905_1443	0.9	110
20240905_1453	3.4	311
20240905_1503	3.6	88
20240905_1513	0.1	189
20240905_1523	8.1	43
20240905_1533	1.4	322
20240905_1543	1.1	83
20240905_1553	1.8	10
20240905_1603	1.1	69
20240905_1613	1.9	34
20240905_1623	2.1	71
20240905_1633	0.1	84
20240905_1643	0.2	351
20240905_1653	2.4	328
20240905_1703	9.3	64
20240905_1713	0.3	106
20240905_1723	1	283
20240905_1733	1.4	318
20240905_1743	1.6	29
20240905_1753	2.7	55
20240905_1803	2.1	256
20240905_1813	0.5	35
20240905_1823	0.1	287
20240905_1833	0.6	172
20240905_1843	0.6	70
20240905_1853	0.1	115
20240905_1903	0.2	261
20240905_1913	0.1	261
20240905_1923	3.3	1
20240905_1933	0.3	82
20240905_1943	3.4	62
20240905_1953	1.8	128
20240905_2003	0.3	59
20240905_2013	0.4	168
20240905_2023	0.5	107
20240905_2033	1.2	135
20240905_2043	0.9	13
20240905_2053	7.1	58
20240905_2103	4.3	70
20240905_2113	5.5	41
20240905_2123	1.2	33
20240905_2133	1.8	92
20240905_2143	10.9	125
20240905_2153	15.6	51
20240905_2203	1	222
20240905_2213	7	103
20240905_2223	2.4	62
20240905_2233	0.1	302
20240905_2243	1.4	279
20240905_2253	17	336
20240905_2303	3	59
20240905_2313	0.3	160
20240905_2323	0.3	56
20240905_2333	0.1	17
20240905_2343	0.3	132
20240905_2353	0.5	315

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20240906_0003	0.1	58
20240906_0013	0.1	238
20240906_0023	0.7	338
20240906_0033	1.9	145
20240906_0043	0.3	153
20240906_0053	0.3	243
20240906_0103	1.4	32
20240906_0113	2	141
20240906_0123	8	104
20240906_0133	1.7	73
20240906_0143	0.5	43
20240906_0153	0.3	238
20240906_0203	0.1	235
20240906_0213	0.2	124
20240906_0223	2.6	114
20240906_0233	1	77
20240906_0243	0.2	97
20240906_0253	0.2	219
20240906_0303	0.1	165
20240906_0313	0.1	29
20240906_0323	7.8	56
20240906_0333	0.7	135
20240906_0343	1.8	54
20240906_0353	0.1	183
20240906_0403	0.4	12
20240906_0413	1.2	48
20240906_0423	0.3	334
20240906_0433	1.2	32
20240906_0443	2.1	267
20240906_0453	4.1	45
20240906_0503	1.9	127
20240906_0513	5.1	342
20240906_0523	0.1	289
20240906_0533	2.1	6
20240906_0543	3.4	98
20240906_0553	0.1	242
20240906_0603	0.4	89
20240906_0613	0.3	72
20240906_0623	5.5	343
20240906_0633	1.8	350
20240906_0643	6.4	40
20240906_0653	0.3	52
20240906_0703	0.2	190
20240906_0713	2.9	1
20240906_0723	0.1	281
20240906_0733	0.1	1
20240906_0743	0.4	334
20240906_0753	0.2	339
20240906_0803	1.8	315
20240906_0813	1.3	143
20240906_0823	0.2	298
20240906_0833	2.2	193
20240906_0843	3.6	38
20240906_0853	0.7	134
20240906_0903	1.5	326
20240906_0913	0.3	316
20240906_0923	0.9	307
20240906_0933	1.6	167
20240906_0943	0.3	333
20240906_0953	0.8	351
20240906_1003	5	87
20240906_1013	0.1	55
20240906_1023	1.1	90
20240906_1033	1.7	179
20240906_1043	2.3	145
20240906_1053	0.1	84
20240906_1103	0.5	317
20240906_1113	1.5	89
20240906_1123	6.2	5
20240906_1133	0.2	234
20240906_1143	0.2	344
20240906_1153	2.1	20

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20240906_1203	0.2	301
20240906_1213	2.8	141
20240906_1223	0.9	336
20240906_1233	1.1	328
20240906_1243	2.1	108
20240906_1253	3.3	66
20240906_1303	1.3	32
20240906_1313	4.3	39
20240906_1323	0.2	278
20240906_1333	1.1	181
20240906_1343	1.2	123
20240906_1353	0.2	194
20240906_1403	0.1	15
20240906_1413	0.1	56
20240906_1423	0.1	331
20240906_1433	1.6	31
20240906_1443	0.9	237
20240906_1453	0.3	31
20240906_1503	0.5	100
20240906_1513	0.2	123
20240906_1523	2.2	48
20240906_1533	0.3	83
20240906_1543	0.1	336
20240906_1553	2.8	91
20240906_1603	0.8	43
20240906_1613	0.1	343
20240906_1623	0.4	181
20240906_1633	0.3	29
20240906_1643	2.6	30
20240906_1653	1.2	335
20240906_1703	0.2	97
20240906_1713	0.1	278
20240906_1723	1.2	90
20240906_1733	0.4	265
20240906_1743	0.6	102
20240906_1753	5.3	134
20240906_1803	0.1	16
20240906_1813	0.1	70
20240906_1823	8	10
20240906_1833	8.4	111
20240906_1843	1.7	24
20240906_1853	0.3	58
20240906_1903	7.9	150
20240906_1913	0.1	138
20240906_1923	1.8	33
20240906_1933	0.8	58
20240906_1943	0.4	247
20240906_1953	1.8	15
20240906_2003	0.1	317
20240906_2013	0.8	315
20240906_2023	0.5	83
20240906_2033	0.3	346
20240906_2043	0.1	57
20240906_2053	3.9	10
20240906_2103	2.6	269
20240906_2113	0.4	42
20240906_2123	1.6	22
20240906_2133	0.9	320
20240906_2143	0.1	25
20240906_2153	0.1	331
20240906_2203	5.1	11
20240906_2213	0.4	81
20240906_2223	0.2	120
20240906_2233	5.6	330
20240906_2243	3.7	70
20240906_2253	0.8	126
20240906_2303	3.2	18
20240906_2313	2.5	28
20240906_2323	6.8	19
20240906_2333	2.6	338
20240906_2343	1.3	62
20240906_2353	3	336

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20240907_0003	0.1	48
20240907_0013	0.2	286
20240907_0023	2.9	55
20240907_0033	0.4	332
20240907_0043	3.1	3
20240907_0053	1	82
20240907_0103	1.9	48
20240907_0113	0.1	210
20240907_0123	0.9	80
20240907_0133	0.1	113
20240907_0143	0.1	2
20240907_0153	5.4	339
20240907_0203	4.4	134
20240907_0213	0.4	57
20240907_0223	0.1	329
20240907_0233	0.3	11
20240907_0243	1.9	98
20240907_0253	0.4	28
20240907_0303	1.8	119
20240907_0313	1.1	159
20240907_0323	0.1	112
20240907_0333	3.3	97
20240907_0343	1.4	91
20240907_0353	0.1	353
20240907_0403	0.2	343
20240907_0413	1	6
20240907_0423	1.8	42
20240907_0433	2.2	26
20240907_0443	1.4	176
20240907_0453	0.9	89
20240907_0503	0.1	148
20240907_0513	0.1	166
20240907_0523	5.6	138
20240907_0533	0.3	101
20240907_0543	0.1	93
20240907_0553	0.2	154
20240907_0603	4.7	17
20240907_0613	0.6	100
20240907_0623	0.1	95
20240907_0633	2	136
20240907_0643	0.1	101
20240907_0653	0.6	281
20240907_0703	0.1	98
20240907_0713	0.1	147
20240907_0723	1.4	180
20240907_0733	0.1	263
20240907_0743	0.1	44
20240907_0753	2.2	332
20240907_0803	0.4	261
20240907_0813	0.1	334
20240907_0823	0.1	331
20240907_0833	3.2	303
20240907_0843	0.7	40
20240907_0853	0.1	66
20240907_0903	0.1	274
20240907_0913	0.1	67
20240907_0923	0.3	336
20240907_0933	0.1	36
20240907_0943	1.1	90
20240907_0953	0.9	115
20240907_1003	0.1	125
20240907_1013	0.1	300
20240907_1023	0.1	110
20240907_1033	0.1	152
20240907_1043	0.1	39
20240907_1053	0.2	349
20240907_1103	0.1	185
20240907_1113	0.1	93
20240907_1123	0.9	114
20240907_1133	0.1	95
20240907_1143	0.1	302
20240907_1153	0.2	133

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20240907_1203	0.2	133
20240907_1213	0.1	147
20240907_1223	0.2	318
20240907_1233	0.1	92
20240907_1243	1.2	335
20240907_1253	2.1	63
20240907_1303	1.7	119
20240907_1313	2.1	146
20240907_1323	0.1	173
20240907_1333	1.1	122
20240907_1343	0.4	120
20240907_1353	0.1	349
20240907_1403	0.1	167
20240907_1413	0.1	138
20240907_1423	0.1	333
20240907_1433	0.3	49
20240907_1443	0.1	347
20240907_1453	0.1	150
20240907_1503	0.1	14
20240907_1513	0.1	35
20240907_1523	0.2	19
20240907_1533	2.5	49
20240907_1543	0.7	38
20240907_1553	0.2	341
20240907_1603	2.3	140
20240907_1613	0.3	183
20240907_1623	0.1	329
20240907_1633	0.1	42
20240907_1643	0.1	53
20240907_1653	0.1	51
20240907_1703	0.1	174
20240907_1713	0.4	51
20240907_1723	0.3	326
20240907_1733	0.1	312
20240907_1743	0.1	221
20240907_1753	0.4	93
20240907_1803	0.1	154
20240907_1813	0.1	91
20240907_1823	4	31
20240907_1833	0.2	135
20240907_1843	0.1	93
20240907_1853	0.1	82
20240907_1903	0.1	345
20240907_1913	0.1	3
20240907_1923	0.1	231
20240907_1933	0.5	347
20240907_1943	0.3	113
20240907_1953	1.5	281
20240907_2003	1.5	21
20240907_2013	0.4	115
20240907_2023	0.1	88
20240907_2033	0.7	2
20240907_2043	0.1	3
20240907_2053	2.9	63
20240907_2103	0.4	58
20240907_2113	0.1	191
20240907_2123	3.9	22
20240907_2133	0.2	70
20240907_2143	0.1	131
20240907_2153	0.2	54
20240907_2203	3.2	6
20240907_2213	0.4	161
20240907_2223	2.6	60
20240907_2233	0.1	228
20240907_2243	1.6	167
20240907_2253	1.9	35
20240907_2303	0.1	143
20240907_2313	0.9	158
20240907_2323	0.3	140
20240907_2333	0.1	315
20240907_2343	2.6	4
20240907_2353	0.4	43

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20240908_0003	0.1	163
20240908_0013	0.1	124
20240908_0023	5.4	49
20240908_0033	0.1	213
20240908_0043	0.1	42
20240908_0053	0.1	280
20240908_0103	0.1	235
20240908_0113	0.1	156
20240908_0123	0.1	22
20240908_0133	0.1	242
20240908_0143	0.1	264
20240908_0153	0.1	254
20240908_0203	0.1	155
20240908_0213	0.1	313
20240908_0223	0.1	163
20240908_0233	0.1	36
20240908_0243	0.1	147
20240908_0253	0.1	106
20240908_0303	0.1	351
20240908_0313	0.1	180
20240908_0323	0.1	292
20240908_0333	0.1	65
20240908_0343	0.1	319
20240908_0353	0.1	339
20240908_0403	0.1	178
20240908_0413	0.1	157
20240908_0423	0.1	138
20240908_0433	0.1	94
20240908_0443	0.1	163
20240908_0453	0.1	86
20240908_0503	0.1	122
20240908_0513	0.1	138
20240908_0523	0.1	309
20240908_0533	0.1	172
20240908_0543	0.1	293
20240908_0553	0.1	10
20240908_0603	0.1	133
20240908_0613	0.1	207
20240908_0623	0.1	129
20240908_0633	0.1	287
20240908_0643	0.1	287
20240908_0653	0.1	348
20240908_0703	0.1	101
20240908_0713	0.1	120
20240908_0723	0.2	117
20240908_0733	0.4	6
20240908_0743	0.1	48
20240908_0753	0.1	206
20240908_0803	0.1	293
20240908_0813	0.1	154
20240908_0823	0.1	171
20240908_0833	0.1	140
20240908_0843	0.1	145
20240908_0853	0.1	282
20240908_0903	0.1	272
20240908_0913	0.1	156
20240908_0923	0.1	151
20240908_0933	0.1	236
20240908_0943	0.1	137
20240908_0953	0.1	248
20240908_1003	0.1	101
20240908_1013	0.1	121
20240908_1023	0.1	162
20240908_1033	0.1	247
20240908_1043	2.1	53
20240908_1053	0.1	346
20240908_1103	2.5	59
20240908_1113	0.2	137
20240908_1123	0.1	302
20240908_1133	0.1	338
20240908_1143	0.1	340
20240908_1153	1.2	27

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20240908_1203	1.2	334
20240908_1213	1	336
20240908_1223	0.1	57
20240908_1233	1.4	37
20240908_1243	0.2	157
20240908_1253	0.1	26
20240908_1303	0.6	19
20240908_1313	0.1	243
20240908_1323	0.1	64
20240908_1333	0.1	273
20240908_1343	0.1	306
20240908_1353	0.1	351
20240908_1403	0.1	316
20240908_1413	0.1	125
20240908_1423	0.1	97
20240908_1433	0.5	308
20240908_1443	0.4	67
20240908_1453	0.4	320
20240908_1503	0.5	84
20240908_1513	0.2	341
20240908_1523	0.2	99
20240908_1533	0.1	91
20240908_1543	0.1	4
20240908_1553	0.2	332
20240908_1603	0.2	29
20240908_1613	0.1	8
20240908_1623	0.1	119
20240908_1633	0.7	59
20240908_1643	0.1	73
20240908_1653	0.4	130
20240908_1703	0.1	35
20240908_1713	0.1	111
20240908_1723	0.1	304
20240908_1733	0.1	59
20240908_1743	0.8	161
20240908_1753	0.1	82
20240908_1803	0.1	156
20240908_1813	0.1	154
20240908_1823	0.1	172
20240908_1833	0.1	82
20240908_1843	0.1	211
20240908_1853	0.1	279
20240908_1903	0.1	141
20240908_1913	0.1	22
20240908_1923	0.1	309
20240908_1933	0.1	3
20240908_1943	0.1	50
20240908_1953	0.1	142
20240908_2003	0.1	144
20240908_2013	0.1	172
20240908_2023	0.1	308
20240908_2033	0.1	135
20240908_2043	0.1	220
20240908_2053	0.1	286
20240908_2103	0.1	93
20240908_2113	0.1	121
20240908_2123	0.6	108
20240908_2133	0.3	345
20240908_2143	0.1	103
20240908_2153	0.5	3
20240908_2203	0.2	340
20240908_2213	0.1	297
20240908_2223	0.3	59
20240908_2233	0.1	351
20240908_2243	0.6	330
20240908_2253	0.4	115
20240908_2303	0.1	41
20240908_2313	0.1	85
20240908_2323	2.4	5
20240908_2333	0.1	348
20240908_2343	0.1	193
20240908_2353	0.4	17

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20240909_0003	0.1	102
20240909_0013	0.3	119
20240909_0023	0.1	60
20240909_0033	0.1	120
20240909_0043	0.1	296
20240909_0053	0.1	141
20240909_0103	0.1	279
20240909_0113	0.1	269
20240909_0123	0.1	134
20240909_0133	0.3	202
20240909_0143	0.1	112
20240909_0153	0.1	119
20240909_0203	0.1	114
20240909_0213	0.1	94
20240909_0223	0.1	300
20240909_0233	0.1	143
20240909_0243	0.1	135
20240909_0253	0.1	176
20240909_0303	0.1	112
20240909_0313	0.1	140
20240909_0323	0.1	95
20240909_0333	0.1	128
20240909_0343	0.1	23
20240909_0353	0.1	175
20240909_0403	0.1	10
20240909_0413	0.1	345
20240909_0423	0.1	324
20240909_0433	0.1	207
20240909_0443	0.1	279
20240909_0453	0.1	317
20240909_0503	0.1	313
20240909_0513	0.1	108
20240909_0523	0.1	126
20240909_0533	0.1	147
20240909_0543	0.1	147
20240909_0553	0.1	22
20240909_0603	0.1	22
20240909_0613	0.1	233
20240909_0623	0.1	140
20240909_0633	0.1	140
20240909_0643	0.1	153
20240909_0653	0.1	174
20240909_0703	0.1	144
20240909_0713	0.1	105
20240909_0723	0.1	129
20240909_0733	0.1	256
20240909_0743	0.1	278
20240909_0753	0.1	167
20240909_0803	0.1	67
20240909_0813	0.3	77
20240909_0823	0.1	274
20240909_0833	0.1	155
20240909_0843	0.1	81
20240909_0853	0.1	62
20240909_0903	0.1	181
20240909_0913	0.1	158
20240909_0923	0.1	65
20240909_0933	0.1	107
20240909_0943	0.1	10
20240909_0953	0.1	76
20240909_1003	0.7	65
20240909_1013	0.2	57
20240909_1023	0.1	281
20240909_1033	0.1	140
20240909_1043	0.6	18
20240909_1053	0.1	148
20240909_1103	2.8	148
20240909_1113	0.1	153
20240909_1123	1.2	0
20240909_1133	0.9	178
20240909_1143	0.5	352
20240909_1153	2.2	144

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20240909_1203	3.8	150
20240909_1213	0.1	322
20240909_1223	0.1	32
20240909_1233	1.6	119
20240909_1243	0.1	250
20240909_1253	0.1	50
20240909_1303	0.1	163
20240909_1313	0.6	176
20240909_1323	0.1	134
20240909_1333	2.2	8
20240909_1343	1.9	332
20240909_1353	0.1	294
20240909_1403	0.8	59
20240909_1413	1.5	101
20240909_1423	0.1	324
20240909_1433	1	149
20240909_1443	0.5	143
20240909_1453	0.4	55
20240909_1503	0.1	65
20240909_1513	0.1	153
20240909_1523	0.1	121
20240909_1533	0.8	54
20240909_1543	0.1	46
20240909_1553	0.2	149
20240909_1603	0.2	116
20240909_1613	0.1	330
20240909_1623	0.1	299
20240909_1633	0.1	9
20240909_1643	0.1	294
20240909_1653	0.4	309
20240909_1703	0.1	18
20240909_1713	0.1	52
20240909_1723	0.1	157
20240909_1733	0.1	112
20240909_1743	0.1	152
20240909_1753	0.1	155
20240909_1803	0.1	278
20240909_1813	0.1	299
20240909_1823	0.1	269
20240909_1833	0.6	313
20240909_1843	0.5	144
20240909_1853	0.1	344
20240909_1903	0.1	69
20240909_1913	0.1	0
20240909_1923	0.1	118
20240909_1933	0.1	137
20240909_1943	0.1	142
20240909_1953	0.1	121
20240909_2003	0.1	139
20240909_2013	0.1	337
20240909_2023	0.1	307
20240909_2033	0.5	264
20240909_2043	0.2	77
20240909_2053	0.1	159
20240909_2103	0.2	151
20240909_2113	0.2	142
20240909_2123	0.1	138
20240909_2133	0.2	159
20240909_2143	4.4	119
20240909_2153	0.1	310
20240909_2203	0.1	86
20240909_2213	0.1	128
20240909_2223	0.6	104
20240909_2233	0.1	144
20240909_2243	0.1	98
20240909_2253	0.1	94
20240909_2303	0.1	147
20240909_2313	0.1	78
20240909_2323	0.1	132
20240909_2333	0.1	172
20240909_2343	0.1	189
20240909_2353	0.1	131

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20240910_0003	0.1	131
20240910_0013	0.1	153
20240910_0023	0.1	152
20240910_0033	0.1	53
20240910_0043	0.1	41
20240910_0053	0.1	51
20240910_0103	0.1	51
20240910_0113	0.1	79
20240910_0123	0.1	71
20240910_0133	0.1	4
20240910_0143	0.1	26
20240910_0153	0.1	110
20240910_0203	0.1	76
20240910_0213	0.1	65
20240910_0223	0.1	9
20240910_0233	0.1	9
20240910_0243	0.1	21
20240910_0253	0.1	125
20240910_0303	0.1	125
20240910_0313	0.1	29
20240910_0323	0.1	38
20240910_0333	0.1	184
20240910_0343	0.1	334
20240910_0353	0.1	320
20240910_0403	0.1	341
20240910_0413	0.1	128
20240910_0423	0.1	128
20240910_0433	0.1	289
20240910_0443	0.1	13
20240910_0453	0.1	13
20240910_0503	0.1	32
20240910_0513	0.1	333
20240910_0523	0.1	343
20240910_0533	0.1	234
20240910_0543	0.1	163
20240910_0553	0.1	77
20240910_0603	0.1	43
20240910_0613	0.1	43
20240910_0623	0.1	344
20240910_0633	0.1	347
20240910_0643	0.1	92
20240910_0653	0.1	93
20240910_0703	0.1	99
20240910_0713	0.1	148
20240910_0723	0.1	128
20240910_0733	0.1	146
20240910_0743	0.1	145
20240910_0753	0.1	124
20240910_0803	0.1	123
20240910_0813	0.1	83
20240910_0823	0.2	126
20240910_0833	0.1	10
20240910_0843	0.1	69
20240910_0853	0.8	304
20240910_0903	0.1	80
20240910_0913	0.1	68
20240910_0923	2.2	67
20240910_0933	0.2	341
20240910_0943	0.1	70
20240910_0953	0.1	66
20240910_1003	0.1	110
20240910_1013	4.4	132
20240910_1023	0.1	247
20240910_1033	0.1	269
20240910_1043	1.4	59
20240910_1053	0.7	349
20240910_1103	0.4	152
20240910_1113	2.5	99
20240910_1123	0.1	180
20240910_1133	0.8	340
20240910_1143	6.7	138
20240910_1153	0.2	106

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20240910_1203	0.1	38
20240910_1213	0.1	45
20240910_1223	0.1	279
20240910_1233	0.6	11
20240910_1243	2.7	105
20240910_1253	0.1	106
20240910_1303	0.1	5
20240910_1313	0.3	66
20240910_1323	0.4	346
20240910_1333	0.1	9
20240910_1343	0.3	11
20240910_1353	0.9	120
20240910_1403	0.3	354
20240910_1413	0.7	164
20240910_1423	0.1	164
20240910_1433	0.1	100
20240910_1443	0.1	312
20240910_1453	0.8	37
20240910_1503	0.5	97
20240910_1513	0.1	104
20240910_1523	0.7	127
20240910_1533	0.2	141
20240910_1543	0.1	94
20240910_1553	0.2	304
20240910_1603	0.4	54
20240910_1613	0.1	10
20240910_1623	0.3	69
20240910_1633	0.1	151
20240910_1643	0.2	233
20240910_1653	0.4	48
20240910_1703	0.3	56
20240910_1713	0.2	337
20240910_1723	0.1	26
20240910_1733	1.3	338
20240910_1743	0.1	186
20240910_1753	0.1	20
20240910_1803	1.2	152
20240910_1813	0.1	90
20240910_1823	1.1	310
20240910_1833	0.1	0
20240910_1843	0.1	76
20240910_1853	0.1	318
20240910_1903	0.1	266
20240910_1913	0.5	310
20240910_1923	0.1	259
20240910_1933	0.1	275
20240910_1943	0.1	308
20240910_1953	0.1	14
20240910_2003	0.1	317
20240910_2013	0.1	120
20240910_2023	1.6	92
20240910_2033	0.1	156
20240910_2043	0.1	79
20240910_2053	0.1	154
20240910_2103	0.1	96
20240910_2113	0.1	25
20240910_2123	0.1	151
20240910_2133	0.1	194
20240910_2143	0.1	139
20240910_2153	0.2	159
20240910_2203	0.1	140
20240910_2213	0.1	58
20240910_2223	0.1	333
20240910_2233	0.1	99
20240910_2243	0.1	17
20240910_2253	0.1	140
20240910_2303	0.1	139
20240910_2313	0.1	209
20240910_2323	0.1	236
20240910_2333	0.1	46
20240910_2343	0.1	46
20240910_2353	0.1	50

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20240911_0003	0.1	99
20240911_0013	0.1	99
20240911_0023	0.2	112
20240911_0033	0.1	68
20240911_0043	0.1	69
20240911_0053	0.1	106
20240911_0103	0.1	80
20240911_0113	0.1	80
20240911_0123	0.1	77
20240911_0133	0.1	34
20240911_0143	0.1	66
20240911_0153	0.1	62
20240911_0203	0.1	126
20240911_0213	0.1	84
20240911_0223	0.1	62
20240911_0233	0.1	35
20240911_0243	0.1	324
20240911_0253	0.1	22
20240911_0303	0.1	41
20240911_0313	0.1	350
20240911_0323	0.1	0
20240911_0333	0.1	139
20240911_0343	0.1	75
20240911_0353	0.1	76
20240911_0403	0.1	76
20240911_0413	0.1	76
20240911_0423	0.1	55
20240911_0433	0.1	29
20240911_0443	0.1	336
20240911_0453	0.1	336
20240911_0503	0.1	26
20240911_0513	0.1	146
20240911_0523	0.1	146
20240911_0533	0.1	219
20240911_0543	0.1	338
20240911_0553	0.1	185
20240911_0603	0.1	185
20240911_0613	0.1	185
20240911_0623	0.1	90
20240911_0633	0.1	90
20240911_0643	0.1	135
20240911_0653	0.1	134
20240911_0703	0.1	64
20240911_0713	0.1	145
20240911_0723	0.1	137
20240911_0733	0.1	130
20240911_0743	0.1	140
20240911_0753	0.1	82
20240911_0803	0.1	155
20240911_0813	0.1	338
20240911_0823	0.1	151
20240911_0833	0.1	175
20240911_0843	0.1	139
20240911_0853	1.8	146
20240911_0903	0.9	181
20240911_0913	0.1	232
20240911_0923	0.1	119
20240911_0933	0.4	83
20240911_0943	0.4	61
20240911_0953	0.1	237
20240911_1003	0.3	15
20240911_1013	1.7	61
20240911_1023	0.1	33
20240911_1033	0.1	132
20240911_1043	0.4	118
20240911_1053	2.4	132
20240911_1103	0.4	12
20240911_1113	0.1	309
20240911_1123	0.1	122
20240911_1133	0.1	117
20240911_1143	1.6	174
20240911_1153	1.5	125

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20240911_1203	0.3	66
20240911_1213	0.2	63
20240911_1223	0.4	39
20240911_1233	0.1	75
20240911_1243	0.1	53
20240911_1253	1	308
20240911_1303	0.1	282
20240911_1313	0.1	89
20240911_1323	0.4	142
20240911_1333	0.1	74
20240911_1343	0.1	63
20240911_1353	0.1	224
20240911_1403	0.5	95
20240911_1413	2.1	342
20240911_1423	0.1	73
20240911_1433	0.8	9
20240911_1443	0.5	226
20240911_1453	1	153
20240911_1503	1.1	33
20240911_1513	0.2	165
20240911_1523	2.2	109
20240911_1533	1.3	128
20240911_1543	0.8	151
20240911_1553	1.3	141
20240911_1603	0.3	145
20240911_1613	0.2	31
20240911_1623	0.9	73
20240911_1633	0.1	63
20240911_1643	0.3	12
20240911_1653	0.7	136
20240911_1703	0.2	78
20240911_1713	1	164
20240911_1723	0.9	127
20240911_1733	0.1	7
20240911_1743	1.2	102
20240911_1753	0.2	103
20240911_1803	0.2	116
20240911_1813	0.1	146
20240911_1823	0.4	96
20240911_1833	0.1	85
20240911_1843	0.1	102
20240911_1853	0.1	119
20240911_1903	0.1	67
20240911_1913	0.1	115
20240911_1923	0.1	321
20240911_1933	0.1	260
20240911_1943	0.1	70
20240911_1953	0.1	320
20240911_2003	0.1	5
20240911_2013	0.1	4
20240911_2023	0.1	63
20240911_2033	0.1	45
20240911_2043	0.1	24
20240911_2053	0.1	108
20240911_2103	0.1	120
20240911_2113	0.1	118
20240911_2123	0.1	75
20240911_2133	0.1	75
20240911_2143	0.1	74
20240911_2153	0.1	26
20240911_2203	0.1	160
20240911_2213	0.1	160
20240911_2223	0.1	115
20240911_2233	0.1	58
20240911_2243	0.1	95
20240911_2253	0.1	48
20240911_2303	0.1	48
20240911_2313	0.1	49
20240911_2323	0.1	49
20240911_2333	0.1	49
20240911_2343	0.1	49
20240911_2353	0.1	49

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20240912_0003	0.1	58
20240912_0013	0.1	56
20240912_0023	0.1	57
20240912_0033	0.1	57
20240912_0043	0.1	57
20240912_0053	0.1	57
20240912_0103	0.1	84
20240912_0113	0.1	68
20240912_0123	0.1	86
20240912_0133	0.1	65
20240912_0143	0.1	51
20240912_0153	0.1	48
20240912_0203	0.1	50
20240912_0213	0.1	20
20240912_0223	0.1	174
20240912_0233	0.1	174
20240912_0243	0.1	68
20240912_0253	0.1	78
20240912_0303	0.1	86
20240912_0313	0.1	280
20240912_0323	0.1	48
20240912_0333	0.1	49
20240912_0343	0.1	38
20240912_0353	0.1	59
20240912_0403	0.1	59
20240912_0413	0.1	59
20240912_0423	0.1	59
20240912_0433	0.1	59
20240912_0443	0.1	102
20240912_0453	0.1	52
20240912_0503	0.1	9
20240912_0513	0.1	46
20240912_0523	0.1	83
20240912_0533	0.1	69
20240912_0543	0.1	69
20240912_0553	0.1	69
20240912_0603	0.1	50
20240912_0613	0.1	120
20240912_0623	0.1	118
20240912_0633	0.1	118
20240912_0643	0.1	122
20240912_0653	0.1	122
20240912_0703	0.1	113
20240912_0713	0.1	116
20240912_0723	0.1	131
20240912_0733	0.1	135
20240912_0743	0.1	141
20240912_0753	0.1	146
20240912_0803	0.1	67
20240912_0813	0.1	69
20240912_0823	0.1	124
20240912_0833	0.1	227
20240912_0843	0.1	227
20240912_0853	0.1	219
20240912_0903	0.1	128
20240912_0913	0.3	147
20240912_0923	0.1	264
20240912_0933	0.1	179
20240912_0943	0.1	48
20240912_0953	0.4	148
20240912_1003	0.1	148
20240912_1013	0.2	91
20240912_1023	0.1	178
20240912_1033	0.5	315
20240912_1043	0.1	208
20240912_1053	0.4	151
20240912_1103	0.4	138
20240912_1113	0.1	93
20240912_1123	0.1	56
20240912_1133	0.1	113
20240912_1143	0.1	70
20240912_1153	0.1	329

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20240912_1203	0.2	160
20240912_1213	0.1	167
20240912_1223	0.3	340
20240912_1233	0.1	147
20240912_1243	0.2	143
20240912_1253	0.3	167
20240912_1303	0.1	145
20240912_1313	0.1	198
20240912_1323	0.1	232
20240912_1333	0.1	288
20240912_1343	0.1	250
20240912_1353	0.3	149
20240912_1403	0.1	225
20240912_1413	0.7	254
20240912_1423	3.5	63
20240912_1433	0.6	26
20240912_1443	0.4	244
20240912_1453	0.1	45
20240912_1503	0.1	250
20240912_1513	0.1	89
20240912_1523	0.1	300
20240912_1533	0.1	147
20240912_1543	0.5	241
20240912_1553	0.1	221
20240912_1603	0.1	239
20240912_1613	0.3	283
20240912_1623	0.1	348
20240912_1633	0.1	191
20240912_1643	0.1	40
20240912_1653	0.1	141
20240912_1703	0.5	119
20240912_1713	0.1	307
20240912_1723	0.1	38
20240912_1733	0.2	324
20240912_1743	0.1	307
20240912_1753	0.1	90
20240912_1803	0.1	349
20240912_1813	0.1	75
20240912_1823	0.1	110
20240912_1833	0.1	122
20240912_1843	0.1	61
20240912_1853	0.1	63
20240912_1903	0.1	345
20240912_1913	0.1	40
20240912_1923	0.1	8
20240912_1933	0.1	67
20240912_1943	0.1	-1
20240912_1953	0.6	112
20240912_2003	0.2	100
20240912_2013	0.1	129
20240912_2023	0.1	134
20240912_2033	0.1	134
20240912_2043	0.1	134
20240912_2053	0.1	108
20240912_2103	0.1	107
20240912_2113	0.1	279
20240912_2123	0.1	161
20240912_2133	0.1	84
20240912_2143	0.1	61
20240912_2153	0.1	58
20240912_2203	0.1	56
20240912_2213	0.1	140
20240912_2223	0.1	131
20240912_2233	0.1	131
20240912_2243	0.1	93
20240912_2253	0.1	87
20240912_2303	0.1	87
20240912_2313	0.1	53
20240912_2323	0.1	55
20240912_2333	0.1	45
20240912_2343	0.1	55
20240912_2353	0.1	61

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20240913_0003	0.1	62
20240913_0013	0.1	62
20240913_0023	0.1	62
20240913_0033	0.1	73
20240913_0043	0.1	341
20240913_0053	0.1	52
20240913_0103	0.1	27
20240913_0113	0.1	215
20240913_0123	0.1	159
20240913_0133	0.1	260
20240913_0143	0.2	147
20240913_0153	0.1	188
20240913_0203	0.1	183
20240913_0213	0.1	269
20240913_0223	0.1	291
20240913_0233	0.1	115
20240913_0243	0.1	138
20240913_0253	0.1	82
20240913_0303	0.1	133
20240913_0313	0.1	232
20240913_0323	0.1	97
20240913_0333	0.4	137
20240913_0343	0.1	248
20240913_0353	0.1	140
20240913_0403	0.1	116
20240913_0413	0.1	107
20240913_0423	0.1	55
20240913_0433	0.1	36
20240913_0443	0.1	40
20240913_0453	0.1	51
20240913_0503	0.1	57
20240913_0513	0.1	57
20240913_0523	0.1	73
20240913_0533	0.1	86
20240913_0543	0.1	48
20240913_0553	0.1	46
20240913_0603	0.1	46
20240913_0613	0.1	66
20240913_0623	0.1	65
20240913_0633	0.1	313
20240913_0643	0.1	345
20240913_0653	0.1	62
20240913_0703	0.1	55
20240913_0713	0.1	147
20240913_0723	0.1	124
20240913_0733	0.1	118
20240913_0743	0.1	101
20240913_0753	0.1	108
20240913_0803	0.1	82
20240913_0813	0.1	119
20240913_0823	0.1	78
20240913_0833	0.1	10
20240913_0843	0.1	90
20240913_0853	0.1	135
20240913_0903	0.4	106
20240913_0913	0.1	342
20240913_0923	0.1	147
20240913_0933	1.4	80
20240913_0943	0.1	45
20240913_0953	0.1	144
20240913_1003	0.3	29
20240913_1013	0.1	129
20240913_1023	0.1	150
20240913_1033	1.3	154
20240913_1043	0.2	296
20240913_1053	0.1	110
20240913_1103	0.5	352
20240913_1113	0.2	24
20240913_1123	1.1	350
20240913_1133	1.8	336
20240913_1143	0.2	36
20240913_1153	4.6	44

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20240913_1203	0.1	27
20240913_1213	0.1	152
20240913_1223	1.9	8
20240913_1233	0.1	332
20240913_1243	0.1	96
20240913_1253	2.1	124
20240913_1303	0.1	57
20240913_1313	0.1	19
20240913_1323	0.1	44
20240913_1333	0.1	34
20240913_1343	0.1	89
20240913_1353	0.4	288
20240913_1403	1.1	329
20240913_1413	2.2	169
20240913_1423	0.4	98
20240913_1433	0.1	336
20240913_1443	0.3	41
20240913_1453	2.3	137
20240913_1503	0.6	150
20240913_1513	0.4	77
20240913_1523	0.6	141
20240913_1533	0.8	315
20240913_1543	0.1	63
20240913_1553	0.3	111
20240913_1603	0.3	113
20240913_1613	0.1	227
20240913_1623	0.2	155
20240913_1633	0.1	11
20240913_1643	0.1	133
20240913_1653	0.1	200
20240913_1703	0.1	27
20240913_1713	0.1	163
20240913_1723	0.1	117
20240913_1733	0.1	152
20240913_1743	0.1	198
20240913_1753	0.1	271
20240913_1803	0.1	82
20240913_1813	0.1	95
20240913_1823	0.1	160
20240913_1833	0.2	71
20240913_1843	1.5	311
20240913_1853	0.1	131
20240913_1903	0.1	202
20240913_1913	0.1	152
20240913_1923	0.1	148
20240913_1933	0.1	260
20240913_1943	0.1	145
20240913_1953	0.1	37
20240913_2003	0.1	101
20240913_2013	0.1	69
20240913_2023	0.1	153
20240913_2033	0.1	122
20240913_2043	0.1	311
20240913_2053	0.1	142
20240913_2103	0.1	339
20240913_2113	0.1	77
20240913_2123	0.1	61
20240913_2133	0.1	270
20240913_2143	0.1	90
20240913_2153	0.1	122
20240913_2203	0.1	36
20240913_2213	0.1	146
20240913_2223	0.1	131
20240913_2233	0.1	111
20240913_2243	0.1	118
20240913_2253	0.1	146
20240913_2303	0.1	107
20240913_2313	0.1	83
20240913_2323	0.1	66
20240913_2333	0.1	121
20240913_2343	0.1	44
20240913_2353	0.1	49

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20240914_0003	0.1	68
20240914_0013	0.1	44
20240914_0023	0.1	41
20240914_0033	0.1	44
20240914_0043	0.1	91
20240914_0053	0.1	65
20240914_0103	0.1	79
20240914_0113	0.1	47
20240914_0123	0.1	347
20240914_0133	0.1	18
20240914_0143	0.1	10
20240914_0153	0.1	137
20240914_0203	0.1	138
20240914_0213	0.1	81
20240914_0223	0.1	62
20240914_0233	0.1	63
20240914_0243	0.1	72
20240914_0253	0.1	72
20240914_0303	0.1	70
20240914_0313	0.1	30
20240914_0323	0.1	53
20240914_0333	0.1	110
20240914_0343	0.1	78
20240914_0353	0.1	161
20240914_0403	0.1	56
20240914_0413	0.1	142
20240914_0423	0.1	105
20240914_0433	0.1	105
20240914_0443	0.1	58
20240914_0453	0.1	58
20240914_0503	0.1	57
20240914_0513	0.1	55
20240914_0523	0.1	55
20240914_0533	0.1	55
20240914_0543	0.1	47
20240914_0553	0.1	29
20240914_0603	0.1	227
20240914_0613	0.1	145
20240914_0623	0.1	4
20240914_0633	0.1	35
20240914_0643	0.1	79
20240914_0653	0.1	83
20240914_0703	0.1	53
20240914_0713	0.1	51
20240914_0723	0.1	103
20240914_0733	0.1	87
20240914_0743	0.1	52
20240914_0753	0.1	114
20240914_0803	0.1	103
20240914_0813	0.1	144
20240914_0823	0.3	152
20240914_0833	0.1	82
20240914_0843	0.2	173
20240914_0853	0.3	50
20240914_0903	0.1	140
20240914_0913	0.1	36
20240914_0923	0.1	100
20240914_0933	0.1	103
20240914_0943	0.1	58
20240914_0953	0.1	87
20240914_1003	0.1	287
20240914_1013	0.2	150
20240914_1023	0.1	187
20240914_1033	0.1	181
20240914_1043	0.1	45
20240914_1053	0.1	9
20240914_1103	0.1	345
20240914_1113	0.1	256
20240914_1123	0.1	118
20240914_1133	0.1	147
20240914_1143	0.1	60
20240914_1153	0.3	291

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20240914_1203	0.1	224
20240914_1213	0.1	92
20240914_1223	0.1	38
20240914_1233	0.1	129
20240914_1243	0.1	199
20240914_1253	0.1	170
20240914_1303	0.6	206
20240914_1313	0.1	202
20240914_1323	0.1	169
20240914_1333	0.1	203
20240914_1343	0.1	159
20240914_1353	0.1	145
20240914_1403	0.1	174
20240914_1413	0.1	266
20240914_1423	0.2	229
20240914_1433	0.1	162
20240914_1443	0.1	253
20240914_1453	0.1	154
20240914_1503	0.1	230
20240914_1513	0.2	194
20240914_1523	0.1	91
20240914_1533	0.1	258
20240914_1543	0.1	138
20240914_1553	0.1	243
20240914_1603	0.1	110
20240914_1613	0.1	243
20240914_1623	0.1	221
20240914_1633	0.1	182
20240914_1643	0.1	258
20240914_1653	0.1	167
20240914_1703	0.1	175
20240914_1713	0.1	172
20240914_1723	0.1	161
20240914_1733	0.1	187
20240914_1743	0.1	170
20240914_1753	0.1	132
20240914_1803	0.1	126
20240914_1813	0.1	139
20240914_1823	0.1	139
20240914_1833	0.1	42
20240914_1843	0.1	52
20240914_1853	0.1	56
20240914_1903	0.1	56
20240914_1913	0.1	74
20240914_1923	0.1	91
20240914_1933	0.1	66
20240914_1943	0.1	118
20240914_1953	0.1	65
20240914_2003	0.1	66
20240914_2013	0.1	52
20240914_2023	0.1	41
20240914_2033	0.1	1
20240914_2043	0.1	26
20240914_2053	0.1	16
20240914_2103	0.1	351
20240914_2113	0.1	46
20240914_2123	0.1	49
20240914_2133	0.1	235
20240914_2143	0.1	74
20240914_2153	0.1	65
20240914_2203	0.1	102
20240914_2213	0.1	148
20240914_2223	0.1	148
20240914_2233	0.1	353
20240914_2243	0.1	52
20240914_2253	0.1	347
20240914_2303	0.1	46
20240914_2313	0.1	60
20240914_2323	0.1	94
20240914_2333	0.1	110
20240914_2343	0.1	57
20240914_2353	0.1	66

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20240915_0003	0.1	108
20240915_0013	0.1	117
20240915_0023	0.1	134
20240915_0033	0.1	129
20240915_0043	0.1	129
20240915_0053	0.1	7
20240915_0103	0.1	66
20240915_0113	0.1	92
20240915_0123	0.1	111
20240915_0133	0.1	47
20240915_0143	0.1	116
20240915_0153	0.1	127
20240915_0203	0.1	104
20240915_0213	0.1	126
20240915_0223	0.1	91
20240915_0233	0.1	124
20240915_0243	0.1	144
20240915_0253	0.1	96
20240915_0303	0.1	73
20240915_0313	0.1	156
20240915_0323	0.1	140
20240915_0333	0.1	28
20240915_0343	0.1	328
20240915_0353	0.1	24
20240915_0403	0.1	40
20240915_0413	0.1	41
20240915_0423	0.1	83
20240915_0433	0.1	46
20240915_0443	0.1	46
20240915_0453	0.1	48
20240915_0503	0.1	91
20240915_0513	0.1	70
20240915_0523	0.1	91
20240915_0533	0.1	90
20240915_0543	0.1	144
20240915_0553	0.1	139
20240915_0603	0.1	82
20240915_0613	0.1	56
20240915_0623	0.1	71
20240915_0633	0.1	71
20240915_0643	0.1	71
20240915_0653	0.1	154
20240915_0703	0.1	134
20240915_0713	0.1	137
20240915_0723	0.1	136
20240915_0733	0.1	130
20240915_0743	0.1	141
20240915_0753	0.1	143
20240915_0803	0.1	164
20240915_0813	0.1	152
20240915_0823	0.1	145
20240915_0833	0.1	131
20240915_0843	0.1	120
20240915_0853	0.1	168
20240915_0903	0.1	221
20240915_0913	0.8	297
20240915_0923	1.3	172
20240915_0933	0.5	218
20240915_0943	0.1	164
20240915_0953	0.5	175
20240915_1003	0.1	135
20240915_1013	0.1	80
20240915_1023	0.6	139
20240915_1033	0.3	233
20240915_1043	0.1	61
20240915_1053	0.5	136
20240915_1103	0.1	40
20240915_1113	0.2	11
20240915_1123	1.9	155
20240915_1133	0.2	51
20240915_1143	0.3	297
20240915_1153	0.1	280

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20240915_1203	1.2	89
20240915_1213	0.1	114
20240915_1223	1	113
20240915_1233	0.6	8
20240915_1243	1.9	180
20240915_1253	0.8	74
20240915_1303	0.1	23
20240915_1313	0.1	51
20240915_1323	0.1	170
20240915_1333	0.1	188
20240915_1343	1.3	100
20240915_1353	0.6	296
20240915_1403	0.1	78
20240915_1413	0.1	238
20240915_1423	0.1	114
20240915_1433	0.1	116
20240915_1443	0.1	297
20240915_1453	1	122
20240915_1503	1.8	155
20240915_1513	0.8	165
20240915_1523	0.3	112
20240915_1533	0.1	21
20240915_1543	0.1	21
20240915_1553	0.1	121
20240915_1603	0.1	213
20240915_1613	0.1	346
20240915_1623	0.1	250
20240915_1633	0.1	141
20240915_1643	0.1	83
20240915_1653	1	107
20240915_1703	0.1	129
20240915_1713	0.1	87
20240915_1723	0.1	102
20240915_1733	0.3	96
20240915_1743	0.1	74
20240915_1753	0.1	132
20240915_1803	0.1	106
20240915_1813	0.1	126
20240915_1823	0.1	112
20240915_1833	0.1	111
20240915_1843	0.1	106
20240915_1853	0.1	66
20240915_1903	0.1	78
20240915_1913	0.1	54
20240915_1923	0.1	128
20240915_1933	0.1	114
20240915_1943	0.1	122
20240915_1953	0.1	58
20240915_2003	0.1	72
20240915_2013	0.1	78
20240915_2023	0.1	39
20240915_2033	0.1	64
20240915_2043	0.1	75
20240915_2053	0.1	80
20240915_2103	0.1	37
20240915_2113	0.1	347
20240915_2123	0.1	48
20240915_2133	0.1	91
20240915_2143	0.1	38
20240915_2153	0.1	120
20240915_2203	0.1	142
20240915_2213	0.1	71
20240915_2223	0.1	60
20240915_2233	0.1	60
20240915_2243	0.1	126
20240915_2253	0.1	49
20240915_2303	0.1	87
20240915_2313	0.1	55
20240915_2323	0.1	49
20240915_2333	0.1	28
20240915_2343	0.1	15
20240915_2353	0.1	56

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20240916_0003	0.1	29
20240916_0013	0.1	155
20240916_0023	0.1	154
20240916_0033	0.1	116
20240916_0043	0.1	115
20240916_0053	0.1	117
20240916_0103	0.1	101
20240916_0113	0.1	55
20240916_0123	0.1	87
20240916_0133	0.1	68
20240916_0143	0.1	167
20240916_0153	0.1	152
20240916_0203	0.8	31
20240916_0213	1	55
20240916_0223	0.5	263
20240916_0233	0.1	231
20240916_0243	0.1	196
20240916_0253	0.1	57
20240916_0303	0.1	89
20240916_0313	0.1	106
20240916_0323	0.1	123
20240916_0333	0.1	136
20240916_0343	0.2	140
20240916_0353	0.1	236
20240916_0403	0.1	51
20240916_0413	0.1	198
20240916_0423	0.1	238
20240916_0433	0.1	151
20240916_0443	0.1	350
20240916_0453	0.1	334
20240916_0503	0.1	49
20240916_0513	0.1	79
20240916_0523	0.1	98
20240916_0533	0.1	97
20240916_0543	0.1	82
20240916_0553	0.1	82
20240916_0603	0.1	118
20240916_0613	0.1	85
20240916_0623	0.1	90
20240916_0633	0.1	135
20240916_0643	0.1	112
20240916_0653	0.1	138
20240916_0703	0.1	146
20240916_0713	0.1	297
20240916_0723	0.1	134
20240916_0733	0.1	206
20240916_0743	0.1	172
20240916_0753	0.1	169
20240916_0803	0.2	85
20240916_0813	0.8	51
20240916_0823	0.2	1
20240916_0833	0.1	44
20240916_0843	3.3	339
20240916_0853	0.1	328
20240916_0903	0.1	270
20240916_0913	0.1	8
20240916_0923	0.1	23
20240916_0933	0.1	337
20240916_0943	0.1	341
20240916_0953	0.1	216
20240916_1003	0.1	154
20240916_1013	0.1	-1
20240916_1023	0.1	77
20240916_1033	0.1	14
20240916_1043	0.1	267
20240916_1053	0.1	129
20240916_1103	0.4	67
20240916_1113	0.1	165
20240916_1123	0.2	100
20240916_1133	0.3	23
20240916_1143	0.9	54
20240916_1153	0.1	74

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20240916_1203	0.2	273
20240916_1213	0.9	19
20240916_1223	0.1	64
20240916_1233	0.9	49
20240916_1243	0.5	125
20240916_1253	1.1	111
20240916_1303	0.1	122
20240916_1313	0.1	55
20240916_1323	0.1	343
20240916_1333	2.6	284
20240916_1343	0.3	136
20240916_1353	0.9	77
20240916_1403	0.1	18
20240916_1413	0.2	56
20240916_1423	5.5	55
20240916_1433	0.1	228
20240916_1443	0.1	47
20240916_1453	0.1	118
20240916_1503	0.5	90
20240916_1513	0.3	115
20240916_1523	0.2	122
20240916_1533	0.8	32
20240916_1543	1.5	119
20240916_1553	2.4	140
20240916_1603	2.1	37
20240916_1613	0.1	70
20240916_1623	1.5	33
20240916_1633	0.1	176
20240916_1643	0.1	132
20240916_1653	0.5	326
20240916_1703	0.1	158
20240916_1713	0.2	176
20240916_1723	0.1	127
20240916_1733	0.2	142
20240916_1743	0.1	4
20240916_1753	0.2	119
20240916_1803	0.1	125
20240916_1813	0.3	54
20240916_1823	0.1	95
20240916_1833	0.1	128
20240916_1843	0.1	178
20240916_1853	0.1	30
20240916_1903	1.2	25
20240916_1913	2.6	303
20240916_1923	0.7	76
20240916_1933	0.2	59
20240916_1943	0.1	67
20240916_1953	0.3	82
20240916_2003	0.9	24
20240916_2013	0.1	93
20240916_2023	0.1	82
20240916_2033	1.3	51
20240916_2043	1	49
20240916_2053	0.1	159
20240916_2103	0.1	112
20240916_2113	0.4	37
20240916_2123	0.3	33
20240916_2133	0.1	151
20240916_2143	0.1	143
20240916_2153	0.3	134
20240916_2203	0.1	2
20240916_2213	0.1	154
20240916_2223	0.6	117
20240916_2233	2.3	142
20240916_2243	1	189
20240916_2253	0.1	78
20240916_2303	2.3	44
20240916_2313	1.2	145
20240916_2323	0.8	106
20240916_2333	0.1	77
20240916_2343	1.2	63
20240916_2353	0.1	64

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20240917_0003	0.1	17
20240917_0013	0.2	11
20240917_0023	0.1	27
20240917_0033	0.1	35
20240917_0043	0.2	312
20240917_0053	0.1	210
20240917_0103	0.1	153
20240917_0113	0.1	152
20240917_0123	0.1	80
20240917_0133	0.1	219
20240917_0143	0.1	118
20240917_0153	0.1	101
20240917_0203	0.1	297
20240917_0213	0.1	78
20240917_0223	0.2	65
20240917_0233	0.2	256
20240917_0243	0.1	220
20240917_0253	0.1	154
20240917_0303	0.1	95
20240917_0313	0.1	260
20240917_0323	0.1	40
20240917_0333	0.1	84
20240917_0343	0.1	167
20240917_0353	0.1	163
20240917_0403	0.1	172
20240917_0413	0.1	149
20240917_0423	0.1	101
20240917_0433	0.1	164
20240917_0443	0.1	179
20240917_0453	0.1	146
20240917_0503	0.1	146
20240917_0513	0.1	142
20240917_0523	0.1	137
20240917_0533	0.1	106
20240917_0543	0.1	55
20240917_0553	0.1	342
20240917_0603	0.1	47
20240917_0613	0.1	152
20240917_0623	0.1	146
20240917_0633	0.1	146
20240917_0643	0.1	261
20240917_0653	0.1	318
20240917_0703	0.1	134
20240917_0713	0.1	147
20240917_0723	0.1	149
20240917_0733	0.1	201
20240917_0743	0.1	232
20240917_0753	0.1	107
20240917_0803	0.1	149
20240917_0813	0.1	143
20240917_0823	0.1	135
20240917_0833	0.5	142
20240917_0843	0.1	218
20240917_0853	0.1	157
20240917_0903	0.1	182
20240917_0913	0.1	138
20240917_0923	0.1	204
20240917_0933	1	279
20240917_0943	0.1	18
20240917_0953	0.2	160
20240917_1003	0.1	120
20240917_1013	0.1	125
20240917_1023	4.4	274
20240917_1033	0.4	280
20240917_1043	0.9	34
20240917_1053	0.1	4
20240917_1103	3.1	21
20240917_1113	0.1	201
20240917_1123	1.9	36
20240917_1133	0.1	87
20240917_1143	1.3	25
20240917_1153	6.3	65

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20240917_1203	0.3	46
20240917_1213	1.3	76
20240917_1223	0.1	225
20240917_1233	0.1	137
20240917_1243	2.1	22
20240917_1253	0.7	320
20240917_1303	0.4	351
20240917_1313	2.1	57
20240917_1323	0.1	63
20240917_1333	0.6	352
20240917_1343	1.5	37
20240917_1353	2	2
20240917_1403	0.2	340
20240917_1413	3.1	90
20240917_1423	0.1	353
20240917_1433	1.8	48
20240917_1443	3.8	117
20240917_1453	0.3	166
20240917_1503	0.1	240
20240917_1513	0.1	289
20240917_1523	0.1	43
20240917_1533	0.1	232
20240917_1543	0.3	154
20240917_1553	0.1	51
20240917_1603	0.9	315
20240917_1613	1.7	108
20240917_1623	2.3	34
20240917_1633	1.8	43
20240917_1643	0.9	38
20240917_1653	1.7	42
20240917_1703	0.1	40
20240917_1713	0.9	121
20240917_1723	1.4	338
20240917_1733	0.1	283
20240917_1743	0.1	29
20240917_1753	0.1	172
20240917_1803	0.1	341
20240917_1813	0.1	263
20240917_1823	0.1	299
20240917_1833	0.1	162
20240917_1843	0.1	152
20240917_1853	0.1	40
20240917_1903	0.5	330
20240917_1913	0.2	82
20240917_1923	0.1	5
20240917_1933	0.1	262
20240917_1943	0.1	276
20240917_1953	0.1	97
20240917_2003	0.1	92
20240917_2013	0.1	142
20240917_2023	0.1	44
20240917_2033	0.1	75
20240917_2043	0.1	0
20240917_2053	1	118
20240917_2103	0.1	113
20240917_2113	0.1	314
20240917_2123	0.1	151
20240917_2133	0.1	324
20240917_2143	0.2	96
20240917_2153	0.1	75
20240917_2203	0.1	156
20240917_2213	0.1	105
20240917_2223	0.1	240
20240917_2233	0.1	336
20240917_2243	0.1	111
20240917_2253	0.1	94
20240917_2303	0.9	153
20240917_2313	0.1	68
20240917_2323	0.1	329
20240917_2333	0.1	17
20240917_2343	0.1	101
20240917_2353	0.1	74

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20240918_0003	0.1	158
20240918_0013	0.1	158
20240918_0023	0.1	104
20240918_0033	0.1	66
20240918_0043	0.1	44
20240918_0053	0.1	44
20240918_0103	0.1	44
20240918_0113	0.1	123
20240918_0123	0.1	62
20240918_0133	0.1	129
20240918_0143	0.1	15
20240918_0153	0.1	61
20240918_0203	0.1	348
20240918_0213	0.1	11
20240918_0223	0.1	24
20240918_0233	0.1	320
20240918_0243	0.1	83
20240918_0253	0.1	155
20240918_0303	0.1	125
20240918_0313	0.1	123
20240918_0323	0.1	112
20240918_0333	0.1	76
20240918_0343	0.1	132
20240918_0353	0.1	105
20240918_0403	0.1	153
20240918_0413	0.1	90
20240918_0423	0.1	90
20240918_0433	0.1	182
20240918_0443	0.1	11
20240918_0453	0.1	150
20240918_0503	0.1	346
20240918_0513	0.1	55
20240918_0523	0.1	157
20240918_0533	0.1	326
20240918_0543	0.1	350
20240918_0553	0.1	50
20240918_0603	0.1	51
20240918_0613	0.1	309
20240918_0623	0.1	175
20240918_0633	0.1	175
20240918_0643	0.1	264
20240918_0653	0.1	111
20240918_0703	0.1	340
20240918_0713	0.1	185
20240918_0723	0.1	129
20240918_0733	0.1	129
20240918_0743	0.1	128
20240918_0753	0.1	131
20240918_0803	0.1	106
20240918_0813	0.1	156
20240918_0823	0.5	138
20240918_0833	0.1	309
20240918_0843	2	101
20240918_0853	1.5	1
20240918_0903	0.1	209
20240918_0913	0.2	37
20240918_0923	2.9	341
20240918_0933	0.1	342
20240918_0943	0.1	159
20240918_0953	1.7	306
20240918_1003	0.1	226
20240918_1013	0.1	150
20240918_1023	0.1	302
20240918_1033	2.6	52
20240918_1043	0.4	239
20240918_1053	0.1	67
20240918_1103	0.1	36
20240918_1113	0.4	19
20240918_1123	0.1	89
20240918_1133	1	330
20240918_1143	0.1	25
20240918_1153	0.1	40

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20240918_1203	0.1	310
20240918_1213	0.5	143
20240918_1223	0.1	341
20240918_1233	0.6	153
20240918_1243	0.2	125
20240918_1253	1.8	124
20240918_1303	0.1	132
20240918_1313	3.6	335
20240918_1323	0.1	229
20240918_1333	0.1	115
20240918_1343	0.3	39
20240918_1353	0.1	35
20240918_1403	0.1	28
20240918_1413	0.1	256
20240918_1423	1.3	57
20240918_1433	0.1	322
20240918_1443	0.3	39
20240918_1453	0.1	5
20240918_1503	0.1	353
20240918_1513	0.1	10
20240918_1523	0.1	94
20240918_1533	2.4	125
20240918_1543	0.5	161
20240918_1553	0.2	194
20240918_1603	1.7	175
20240918_1613	0.2	147
20240918_1623	0.3	48
20240918_1633	0.2	118
20240918_1643	0.6	85
20240918_1653	0.1	216
20240918_1703	0.1	171
20240918_1713	3.7	5
20240918_1723	0.1	301
20240918_1733	1.2	131
20240918_1743	0.2	166
20240918_1753	0.1	182
20240918_1803	0.7	348
20240918_1813	0.1	117
20240918_1823	0.2	117
20240918_1833	0.2	350
20240918_1843	0.7	36
20240918_1853	0.2	12
20240918_1903	1.1	178
20240918_1913	4.3	30
20240918_1923	0.1	131
20240918_1933	1.1	76
20240918_1943	1	39
20240918_1953	2.4	14
20240918_2003	4.8	79
20240918_2013	0.1	341
20240918_2023	5.1	36
20240918_2033	0.2	130
20240918_2043	0.2	175
20240918_2053	2.5	301
20240918_2103	1.8	47
20240918_2113	0.1	63
20240918_2123	3	352
20240918_2133	0.4	25
20240918_2143	1.3	133
20240918_2153	0.1	86
20240918_2203	0.1	4
20240918_2213	2.3	99
20240918_2223	1.2	149
20240918_2233	1.4	149
20240918_2243	0.2	146
20240918_2253	0.2	151
20240918_2303	0.5	92
20240918_2313	0.1	12
20240918_2323	0.1	143
20240918_2333	1.4	71
20240918_2343	1.4	106
20240918_2353	0.2	66

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20240919_0003	0.4	143
20240919_0013	0.1	151
20240919_0023	0.6	152
20240919_0033	0.1	262
20240919_0043	0.3	139
20240919_0053	0.1	151
20240919_0103	1.2	154
20240919_0113	0.1	162
20240919_0123	0.4	344
20240919_0133	0.1	136
20240919_0143	0.1	60
20240919_0153	0.1	105
20240919_0203	0.1	150
20240919_0213	1.3	81
20240919_0223	0.1	353
20240919_0233	0.1	295
20240919_0243	0.3	125
20240919_0253	1.4	98
20240919_0303	0.5	71
20240919_0313	0.1	146
20240919_0323	0.6	139
20240919_0333	0.1	193
20240919_0343	0.2	114
20240919_0353	1	69
20240919_0403	0.1	98
20240919_0413	2.9	55
20240919_0423	0.1	123
20240919_0433	0.6	18
20240919_0443	0.3	22
20240919_0453	1.3	127
20240919_0503	2.1	79
20240919_0513	0.1	95
20240919_0523	0.3	110
20240919_0533	0.2	162
20240919_0543	0.1	157
20240919_0553	0.2	125
20240919_0603	0.1	8
20240919_0613	0.1	201
20240919_0623	0.3	88
20240919_0633	0.4	104
20240919_0643	3.6	61
20240919_0653	1	156
20240919_0703	0.4	119
20240919_0713	0.2	188
20240919_0723	0.5	64
20240919_0733	0.5	58
20240919_0743	0.1	300
20240919_0753	1.4	25
20240919_0803	1.9	341
20240919_0813	0.6	32
20240919_0823	0.9	149
20240919_0833	0.1	168
20240919_0843	1.3	58
20240919_0853	2.1	235
20240919_0903	0.1	202
20240919_0913	1.4	349
20240919_0923	0.6	62
20240919_0933	0.4	148
20240919_0943	0.4	81
20240919_0953	2.8	21
20240919_1003	0.6	35
20240919_1013	0.1	124
20240919_1023	0.5	136
20240919_1033	0.5	216
20240919_1043	1.6	122
20240919_1053	3	169
20240919_1103	0.1	172
20240919_1113	1.1	95
20240919_1123	0.1	8
20240919_1133	0.1	196
20240919_1143	4.3	151
20240919_1153	0.1	166

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20240919_1203	1	238
20240919_1213	0.9	131
20240919_1223	0.2	6
20240919_1233	0.1	89
20240919_1243	0.2	341
20240919_1253	0.6	161
20240919_1303	1.2	160
20240919_1313	0.1	73
20240919_1323	0.3	114
20240919_1333	0.3	135
20240919_1343	1.7	163
20240919_1353	0.1	201
20240919_1403	0.6	311
20240919_1413	3.1	118
20240919_1423	0.3	84
20240919_1433	5.7	143
20240919_1443	0.1	62
20240919_1453	0.1	208
20240919_1503	0.6	67
20240919_1513	0.1	74
20240919_1523	3.6	44
20240919_1533	0.3	17
20240919_1543	2.7	140
20240919_1553	0.3	341
20240919_1603	1	39
20240919_1613	0.9	325
20240919_1623	1.7	26
20240919_1633	1.5	16
20240919_1643	3	88
20240919_1653	0.1	270
20240919_1703	0.1	133
20240919_1713	0.1	134
20240919_1723	0.1	255
20240919_1733	0.3	47
20240919_1743	0.9	343
20240919_1753	0.2	27
20240919_1803	0.2	345
20240919_1813	0.6	55
20240919_1823	0.1	324
20240919_1833	0.1	164
20240919_1843	1	19
20240919_1853	0.2	26
20240919_1903	0.1	333
20240919_1913	0.1	302
20240919_1923	0.3	6
20240919_1933	0.5	20
20240919_1943	0.1	65
20240919_1953	0.1	97
20240919_2003	2.5	170
20240919_2013	0.2	62
20240919_2023	0.9	103
20240919_2033	0.1	97
20240919_2043	0.1	138
20240919_2053	0.1	146
20240919_2103	0.1	154
20240919_2113	0.1	128
20240919_2123	0.1	154
20240919_2133	0.1	15
20240919_2143	0.1	132
20240919_2153	0.1	99
20240919_2203	0.1	134
20240919_2213	0.1	346
20240919_2223	0.1	147
20240919_2233	0.1	141
20240919_2243	0.1	61
20240919_2253	0.1	101
20240919_2303	0.1	80
20240919_2313	0.1	155
20240919_2323	0.1	230
20240919_2333	0.1	120
20240919_2343	0.1	126
20240919_2353	0.1	146

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20240920_0003	0.1	107
20240920_0013	0.1	54
20240920_0023	0.1	93
20240920_0033	0.1	70
20240920_0043	0.1	70
20240920_0053	0.1	73
20240920_0103	0.1	56
20240920_0113	0.1	34
20240920_0123	0.1	38
20240920_0133	0.1	52
20240920_0143	0.1	52
20240920_0153	0.1	130
20240920_0203	0.1	80
20240920_0213	0.1	76
20240920_0223	0.1	117
20240920_0233	0.1	117
20240920_0243	0.1	143
20240920_0253	0.1	335
20240920_0303	0.1	1
20240920_0313	0.1	122
20240920_0323	0.1	10
20240920_0333	0.1	96
20240920_0343	0.1	96
20240920_0353	0.1	56
20240920_0403	0.1	323
20240920_0413	0.1	36
20240920_0423	0.1	61
20240920_0433	0.1	348
20240920_0443	0.1	120
20240920_0453	0.1	155
20240920_0503	0.1	151
20240920_0513	0.1	66
20240920_0523	0.1	56
20240920_0533	0.1	58
20240920_0543	0.1	55
20240920_0553	0.1	0
20240920_0603	0.1	320
20240920_0613	0.1	325
20240920_0623	0.1	25
20240920_0633	0.1	138
20240920_0643	0.1	138
20240920_0653	0.1	138
20240920_0703	0.1	138
20240920_0713	0.1	138
20240920_0723	0.1	148
20240920_0733	0.1	138
20240920_0743	0.1	145
20240920_0753	0.1	120
20240920_0803	0.1	81
20240920_0813	0.1	148
20240920_0823	0.1	152
20240920_0833	0.1	153
20240920_0843	0.1	237
20240920_0853	0.2	142
20240920_0903	0.1	78
20240920_0913	0.9	347
20240920_0923	0.6	156
20240920_0933	1.9	99
20240920_0943	0.1	236
20240920_0953	1.4	135
20240920_1003	0.1	68
20240920_1013	0.2	22
20240920_1023	0.1	335
20240920_1033	0.1	42
20240920_1043	0.1	144
20240920_1053	0.2	141
20240920_1103	0.1	148
20240920_1113	0.1	74
20240920_1123	0.1	40
20240920_1133	0.1	71
20240920_1143	0.1	123
20240920_1153	2.8	113

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20240920_1203	0.1	10
20240920_1213	0.9	78
20240920_1223	0.1	141
20240920_1233	0.1	62
20240920_1243	0.9	119
20240920_1253	1	47
20240920_1303	0.3	152
20240920_1313	0.1	29
20240920_1323	0.5	134
20240920_1333	0.5	144
20240920_1343	0.5	97
20240920_1353	1.4	173
20240920_1403	1.6	146
20240920_1413	0.1	66
20240920_1423	1.4	107
20240920_1433	0.1	132
20240920_1443	0.5	109
20240920_1453	0.1	57
20240920_1503	0.1	77
20240920_1513	0.4	31
20240920_1523	1.5	146
20240920_1533	0.1	110
20240920_1543	0.1	192
20240920_1553	0.6	130
20240920_1603	2.2	85
20240920_1613	2.1	161
20240920_1623	0.1	105
20240920_1633	1.3	104
20240920_1643	1.2	142
20240920_1653	0.6	116
20240920_1703	2.4	89
20240920_1713	1.9	112
20240920_1723	0.1	117
20240920_1733	2.8	168
20240920_1743	0.1	73
20240920_1753	2.3	115
20240920_1803	0.4	120
20240920_1813	0.7	144
20240920_1823	0.1	85
20240920_1833	4.8	66
20240920_1843	0.2	308
20240920_1853	0.1	103
20240920_1903	4.4	171
20240920_1913	0.3	141
20240920_1923	0.1	317
20240920_1933	0.3	326
20240920_1943	0.1	11
20240920_1953	0.1	254
20240920_2003	0.1	94
20240920_2013	0.1	134
20240920_2023	0.1	149
20240920_2033	0.1	160
20240920_2043	0.1	196
20240920_2053	0.1	49
20240920_2103	0.1	282
20240920_2113	0.1	93
20240920_2123	0.1	66
20240920_2133	0.1	81
20240920_2143	0.1	68
20240920_2153	0.1	62
20240920_2203	0.1	152
20240920_2213	0.1	153
20240920_2223	0.1	152
20240920_2233	0.1	152
20240920_2243	0.1	152
20240920_2253	0.1	151
20240920_2303	0.1	151
20240920_2313	0.1	151
20240920_2323	0.1	151
20240920_2333	0.1	74
20240920_2343	0.1	74
20240920_2353	0.1	74

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20240921_0003	0.1	76
20240921_0013	0.1	76
20240921_0023	0.1	76
20240921_0033	0.1	70
20240921_0043	0.1	66
20240921_0053	0.1	66
20240921_0103	0.1	66
20240921_0113	0.1	66
20240921_0123	0.1	66
20240921_0133	0.1	67
20240921_0143	0.1	67
20240921_0153	0.1	67
20240921_0203	0.1	67
20240921_0213	0.1	67
20240921_0223	0.1	67
20240921_0233	0.1	67
20240921_0243	0.1	67
20240921_0253	0.1	67
20240921_0303	0.1	67
20240921_0313	0.1	67
20240921_0323	0.1	79
20240921_0333	0.1	79
20240921_0343	0.1	79
20240921_0353	0.1	79
20240921_0403	0.1	79
20240921_0413	0.1	79
20240921_0423	0.1	49
20240921_0433	0.1	285
20240921_0443	0.1	119
20240921_0453	0.1	106
20240921_0503	0.1	106
20240921_0513	0.1	106
20240921_0523	0.1	111
20240921_0533	0.1	111
20240921_0543	0.1	120
20240921_0553	0.1	91
20240921_0603	0.1	91
20240921_0613	0.1	91
20240921_0623	0.1	85
20240921_0633	0.1	144
20240921_0643	0.1	144
20240921_0653	0.1	109
20240921_0703	0.1	21
20240921_0713	0.1	121
20240921_0723	0.1	152
20240921_0733	0.1	147
20240921_0743	0.1	217
20240921_0753	0.1	116
20240921_0803	0.1	239
20240921_0813	0.1	218
20240921_0823	0.1	122
20240921_0833	0.1	181
20240921_0843	0.1	142
20240921_0853	0.1	147
20240921_0903	0.2	100
20240921_0913	0.1	103
20240921_0923	0.1	113
20240921_0933	0.1	117
20240921_0943	0.1	10
20240921_0953	0.1	158
20240921_1003	0.1	93
20240921_1013	0.1	149
20240921_1023	0.1	125
20240921_1033	0.1	150
20240921_1043	0.1	229
20240921_1053	0.1	238
20240921_1103	0.1	330
20240921_1113	0.1	152
20240921_1123	0.1	41
20240921_1133	0.4	147
20240921_1143	0.1	273
20240921_1153	0.2	311

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20240921_1203	0.1	227
20240921_1213	0.9	14
20240921_1223	0.4	14
20240921_1233	2.4	324
20240921_1243	1.4	249
20240921_1253	0.2	19
20240921_1303	0.2	353
20240921_1313	1.2	123
20240921_1323	0.1	33
20240921_1333	0.3	284
20240921_1343	1.1	37
20240921_1353	2.1	262
20240921_1403	0.1	7
20240921_1413	0.5	12
20240921_1423	1.2	151
20240921_1433	2.6	110
20240921_1443	0.1	153
20240921_1453	0.1	101
20240921_1503	2	166
20240921_1513	0.9	121
20240921_1523	0.1	22
20240921_1533	0.3	64
20240921_1543	0.2	158
20240921_1553	1.7	31
20240921_1603	1.5	128
20240921_1613	2	168
20240921_1623	0.1	243
20240921_1633	0.5	83
20240921_1643	0.2	129
20240921_1653	1.8	118
20240921_1703	0.2	194
20240921_1713	0.1	345
20240921_1723	0.9	333
20240921_1733	0.1	118
20240921_1743	0.2	324
20240921_1753	0.2	94
20240921_1803	0.1	300
20240921_1813	1.8	146
20240921_1823	0.1	4
20240921_1833	0.5	0
20240921_1843	0.1	41
20240921_1853	0.1	120
20240921_1903	0.1	264
20240921_1913	0.1	196
20240921_1923	0.1	46
20240921_1933	0.1	53
20240921_1943	0.1	204
20240921_1953	0.1	122
20240921_2003	0.1	272
20240921_2013	0.1	147
20240921_2023	0.1	157
20240921_2033	0.1	171
20240921_2043	0.1	139
20240921_2053	0.2	163
20240921_2103	0.1	93
20240921_2113	0.1	174
20240921_2123	0.1	68
20240921_2133	0.1	74
20240921_2143	0.1	98
20240921_2153	0.1	157
20240921_2203	0.1	122
20240921_2213	0.1	153
20240921_2223	0.1	97
20240921_2233	0.1	181
20240921_2243	0.1	45
20240921_2253	0.1	89
20240921_2303	0.1	149
20240921_2313	0.1	117
20240921_2323	0.1	295
20240921_2333	0.1	313
20240921_2343	0.1	47
20240921_2353	0.1	63

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20240922_0003	0.1	135
20240922_0013	0.1	326
20240922_0023	0.1	157
20240922_0033	0.1	158
20240922_0043	0.1	104
20240922_0053	0.1	156
20240922_0103	0.1	92
20240922_0113	0.1	146
20240922_0123	0.1	244
20240922_0133	0.1	145
20240922_0143	0.1	326
20240922_0153	0.1	142
20240922_0203	0.1	325
20240922_0213	0.1	325
20240922_0223	0.1	271
20240922_0233	0.1	341
20240922_0243	0.1	133
20240922_0253	0.1	29
20240922_0303	0.1	38
20240922_0313	0.1	100
20240922_0323	0.1	100
20240922_0333	0.1	100
20240922_0343	0.1	98
20240922_0353	0.1	98
20240922_0403	0.1	98
20240922_0413	0.1	66
20240922_0423	0.1	66
20240922_0433	0.1	66
20240922_0443	0.1	66
20240922_0453	0.1	66
20240922_0503	0.1	94
20240922_0513	0.1	81
20240922_0523	0.1	13
20240922_0533	0.1	21
20240922_0543	0.1	128
20240922_0553	0.1	117
20240922_0603	0.1	82
20240922_0613	0.1	153
20240922_0623	0.1	168
20240922_0633	0.1	168
20240922_0643	0.1	278
20240922_0653	0.1	160
20240922_0703	0.1	160
20240922_0713	0.1	245
20240922_0723	0.1	245
20240922_0733	0.1	245
20240922_0743	0.1	70
20240922_0753	0.1	70
20240922_0803	0.1	70
20240922_0813	0.1	99
20240922_0823	0.1	100
20240922_0833	0.1	147
20240922_0843	0.1	101
20240922_0853	0.1	266
20240922_0903	2.1	325
20240922_0913	0.1	283
20240922_0923	0.1	121
20240922_0933	4.4	295
20240922_0943	0.3	7
20240922_0953	0.1	214
20240922_1003	0.6	86
20240922_1013	0.1	207
20240922_1023	0.1	328
20240922_1033	1.1	7
20240922_1043	0.3	152
20240922_1053	0.3	339
20240922_1103	0.1	20
20240922_1113	0.2	313
20240922_1123	0.3	254
20240922_1133	0.1	115
20240922_1143	0.1	80
20240922_1153	1.1	345

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20240922_1203	2	334
20240922_1213	0.1	177
20240922_1223	2.1	30
20240922_1233	0.1	100
20240922_1243	0.1	307
20240922_1253	0.2	323
20240922_1303	0.1	119
20240922_1313	0.1	246
20240922_1323	0.1	29
20240922_1333	0.1	277
20240922_1343	0.1	198
20240922_1353	3.9	24
20240922_1403	0.1	14
20240922_1413	0.1	297
20240922_1423	0.1	3
20240922_1433	0.1	129
20240922_1443	0.1	312
20240922_1453	0.1	277
20240922_1503	0.1	187
20240922_1513	0.1	237
20240922_1523	0.1	104
20240922_1533	0.1	285
20240922_1543	0.1	264
20240922_1553	0.1	217
20240922_1603	0.1	138
20240922_1613	0.1	128
20240922_1623	0.1	154
20240922_1633	0.1	310
20240922_1643	0.1	325
20240922_1653	0.1	9
20240922_1703	0.1	134
20240922_1713	0.1	62
20240922_1723	0.1	130
20240922_1733	0.1	87
20240922_1743	0.1	163
20240922_1753	0.1	60
20240922_1803	0.1	70
20240922_1813	0.8	343
20240922_1823	0.1	156
20240922_1833	0.1	170
20240922_1843	0.1	0
20240922_1853	0.1	131
20240922_1903	0.1	161
20240922_1913	0.1	160
20240922_1923	0.1	21
20240922_1933	0.1	66
20240922_1943	0.1	2
20240922_1953	0.1	96
20240922_2003	0.1	105
20240922_2013	0.1	345
20240922_2023	0.1	30
20240922_2033	0.2	334
20240922_2043	0.1	263
20240922_2053	1.1	306
20240922_2103	0.1	338
20240922_2113	0.7	101
20240922_2123	0.1	334
20240922_2133	0.1	340
20240922_2143	0.7	1
20240922_2153	0.1	13
20240922_2203	0.1	59
20240922_2213	0.1	123
20240922_2223	0.1	7
20240922_2233	0.1	149
20240922_2243	0.1	157
20240922_2253	0.1	298
20240922_2303	1.9	308
20240922_2313	0.1	111
20240922_2323	0.1	64
20240922_2333	0.1	8
20240922_2343	0.1	322
20240922_2353	0.1	21

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20240923_0003	0.1	0
20240923_0013	0.1	8
20240923_0023	0.1	289
20240923_0033	0.1	170
20240923_0043	0.1	127
20240923_0053	0.1	149
20240923_0103	0.1	141
20240923_0113	0.1	147
20240923_0123	0.3	134
20240923_0133	0.1	134
20240923_0143	0.1	127
20240923_0153	0.1	144
20240923_0203	0.1	144
20240923_0213	0.1	137
20240923_0223	0.1	153
20240923_0233	0.1	251
20240923_0243	0.1	187
20240923_0253	0.1	141
20240923_0303	0.1	140
20240923_0313	0.1	164
20240923_0323	0.1	133
20240923_0333	0.1	133
20240923_0343	0.1	191
20240923_0353	0.1	145
20240923_0403	0.1	140
20240923_0413	0.1	131
20240923_0423	0.1	274
20240923_0433	0.1	259
20240923_0443	0.1	198
20240923_0453	0.1	154
20240923_0503	0.1	271
20240923_0513	0.1	152
20240923_0523	0.1	236
20240923_0533	0.1	186
20240923_0543	0.1	123
20240923_0553	0.1	136
20240923_0603	0.1	42
20240923_0613	0.1	123
20240923_0623	0.1	123
20240923_0633	0.1	123
20240923_0643	0.1	125
20240923_0653	0.1	137
20240923_0703	0.1	137
20240923_0713	0.1	158
20240923_0723	0.1	151
20240923_0733	0.1	239
20240923_0743	0.1	15
20240923_0753	0.1	313
20240923_0803	0.1	220
20240923_0813	0.1	164
20240923_0823	0.1	313
20240923_0833	0.1	138
20240923_0843	0.1	324
20240923_0853	0.1	103
20240923_0903	0.1	161
20240923_0913	0.1	155
20240923_0923	0.1	182
20240923_0933	0.1	146
20240923_0943	0.1	267
20240923_0953	0.1	136
20240923_1003	0.1	59
20240923_1013	0.1	94
20240923_1023	0.1	297
20240923_1033	0.1	248
20240923_1043	0.1	321
20240923_1053	0.1	46
20240923_1103	0.4	291
20240923_1113	0.1	300
20240923_1123	0.1	101
20240923_1133	0.1	296
20240923_1143	0.1	298
20240923_1153	0.1	312

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20240923_1203	0.1	246
20240923_1213	0.1	292
20240923_1223	0.1	138
20240923_1233	0.1	47
20240923_1243	0.1	229
20240923_1253	0.1	300
20240923_1303	0.1	281
20240923_1313	0.1	242
20240923_1323	0.1	299
20240923_1333	0.1	283
20240923_1343	0.1	257
20240923_1353	0.1	129
20240923_1403	0.1	246
20240923_1413	0.1	245
20240923_1423	0.1	166
20240923_1433	0.1	64
20240923_1443	0.1	302
20240923_1453	0.1	102
20240923_1503	0.1	116
20240923_1513	0.1	140
20240923_1523	0.1	279
20240923_1533	0.1	220
20240923_1543	0.1	143
20240923_1553	0.1	130
20240923_1603	0.2	123
20240923_1613	0.1	120
20240923_1623	0.1	175
20240923_1633	0.1	145
20240923_1643	0.1	117
20240923_1653	0.1	127
20240923_1703	0.1	347
20240923_1713	0.1	286
20240923_1723	0.1	104
20240923_1733	0.1	102
20240923_1743	0.1	156
20240923_1753	0.1	262
20240923_1803	0.1	121
20240923_1813	0.1	192
20240923_1823	0.1	140
20240923_1833	0.1	147
20240923_1843	0.1	195
20240923_1853	0.1	223
20240923_1903	0.1	170
20240923_1913	0.1	115
20240923_1923	0.1	183
20240923_1933	0.1	146
20240923_1943	0.2	141
20240923_1953	0.1	138
20240923_2003	0.1	319
20240923_2013	0.1	265
20240923_2023	0.1	67
20240923_2033	0.1	147
20240923_2043	0.1	265
20240923_2053	0.1	264
20240923_2103	0.1	192
20240923_2113	0.1	138
20240923_2123	0.1	109
20240923_2133	0.1	109
20240923_2143	0.1	39
20240923_2153	0.1	144
20240923_2203	0.1	275
20240923_2213	0.1	275
20240923_2223	0.1	197
20240923_2233	0.1	105
20240923_2243	0.1	105
20240923_2253	0.1	323
20240923_2303	0.1	341
20240923_2313	0.1	240
20240923_2323	0.1	139
20240923_2333	0.1	139
20240923_2343	0.1	127
20240923_2353	0.1	269

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20240924_0003	0.1	118
20240924_0013	0.1	118
20240924_0023	0.1	298
20240924_0033	0.1	38
20240924_0043	0.1	293
20240924_0053	0.1	115
20240924_0103	0.1	14
20240924_0113	0.1	35
20240924_0123	0.1	270
20240924_0133	0.1	259
20240924_0143	0.1	137
20240924_0153	0.1	8
20240924_0203	0.1	162
20240924_0213	0.1	128
20240924_0223	0.1	286
20240924_0233	0.1	157
20240924_0243	0.1	167
20240924_0253	0.1	29
20240924_0303	0.1	351
20240924_0313	0.1	172
20240924_0323	0.1	272
20240924_0333	0.1	280
20240924_0343	0.1	37
20240924_0353	0.1	92
20240924_0403	0.1	325
20240924_0413	0.2	123
20240924_0423	0.1	149
20240924_0433	0.1	160
20240924_0443	0.1	135
20240924_0453	0.5	55
20240924_0503	0.2	57
20240924_0513	0.1	53
20240924_0523	0.1	183
20240924_0533	0.1	62
20240924_0543	0.1	46
20240924_0553	0.1	130
20240924_0603	0.1	177
20240924_0613	0.1	187
20240924_0623	0.1	128
20240924_0633	0.1	317
20240924_0643	0.1	167
20240924_0653	0.1	153
20240924_0703	0.1	139
20240924_0713	0.1	210
20240924_0723	0.1	151
20240924_0733	0.1	153
20240924_0743	0.1	87
20240924_0753	0.1	49
20240924_0803	0.1	122
20240924_0813	0.1	195
20240924_0823	0.2	266
20240924_0833	0.7	148
20240924_0843	0.1	330
20240924_0853	0.2	321
20240924_0903	0.1	18
20240924_0913	0.8	32
20240924_0923	0.1	3
20240924_0933	0.1	88
20240924_0943	0.1	37
20240924_0953	0.1	343
20240924_1003	0.1	312
20240924_1013	0.1	168
20240924_1023	0.1	137
20240924_1033	0.1	85
20240924_1043	0.1	110
20240924_1053	0.1	14
20240924_1103	0.1	119
20240924_1113	0.1	70
20240924_1123	0.1	39
20240924_1133	0.1	129
20240924_1143	0.1	80
20240924_1153	1	90

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20240924_1203	0.2	112
20240924_1213	0.1	91
20240924_1223	0.1	145
20240924_1233	0.1	113
20240924_1243	0.1	111
20240924_1253	0.1	41
20240924_1303	0.5	102
20240924_1313	0.1	45
20240924_1323	0.1	82
20240924_1333	0.1	121
20240924_1343	0.1	21
20240924_1353	0.1	230
20240924_1403	0.1	213
20240924_1413	0.1	221
20240924_1423	0.1	112
20240924_1433	0.1	279
20240924_1443	0.1	160
20240924_1453	0.1	271
20240924_1503	0.1	167
20240924_1513	0.1	287
20240924_1523	0.1	68
20240924_1533	0.1	67
20240924_1543	0.1	68
20240924_1553	0.1	180
20240924_1603	0.5	155
20240924_1613	1.3	169
20240924_1623	1.6	152
20240924_1633	0.1	133
20240924_1643	0.1	194
20240924_1653	0.1	117
20240924_1703	0.1	36
20240924_1713	0.1	146
20240924_1723	1.4	143
20240924_1733	0.1	96
20240924_1743	0.1	80
20240924_1753	0.2	112
20240924_1803	0.4	99
20240924_1813	0.7	103
20240924_1823	0.1	51
20240924_1833	0.1	132
20240924_1843	0.3	69
20240924_1853	0.1	122
20240924_1903	0.3	108
20240924_1913	0.2	122
20240924_1923	0.6	142
20240924_1933	0.3	79
20240924_1943	0.1	100
20240924_1953	0.1	72
20240924_2003	0.8	109
20240924_2013	0.1	89
20240924_2023	0.3	96
20240924_2033	0.1	54
20240924_2043	0.1	111
20240924_2053	0.1	131
20240924_2103	0.1	78
20240924_2113	0.1	90
20240924_2123	0.1	100
20240924_2133	0.2	98
20240924_2143	0.1	145
20240924_2153	0.1	134
20240924_2203	0.1	129
20240924_2213	0.1	120
20240924_2223	0.1	166
20240924_2233	0.1	253
20240924_2243	0.1	245
20240924_2253	0.1	315
20240924_2303	0.1	339
20240924_2313	0.1	89
20240924_2323	0.1	103
20240924_2333	0.1	90
20240924_2343	0.1	133
20240924_2353	0.1	129

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20240925_0003	0.1	27
20240925_0013	0.1	32
20240925_0023	0.1	49
20240925_0033	0.1	69
20240925_0043	0.1	56
20240925_0053	0.1	294
20240925_0103	0.1	59
20240925_0113	0.1	227
20240925_0123	0.1	197
20240925_0133	0.1	310
20240925_0143	0.1	290
20240925_0153	0.1	148
20240925_0203	0.1	306
20240925_0213	1.6	161
20240925_0223	0.1	206
20240925_0233	0.1	47
20240925_0243	0.1	205
20240925_0253	0.4	158
20240925_0303	0.1	23
20240925_0313	0.1	22
20240925_0323	0.1	118
20240925_0333	0.1	310
20240925_0343	0.3	152
20240925_0353	0.1	118
20240925_0403	0.1	45
20240925_0413	0.1	87
20240925_0423	0.1	79
20240925_0433	0.6	127
20240925_0443	0.1	12
20240925_0453	0.8	336
20240925_0503	0.1	67
20240925_0513	0.1	257
20240925_0523	0.1	221
20240925_0533	0.1	12
20240925_0543	0.1	111
20240925_0553	0.1	81
20240925_0603	0.1	214
20240925_0613	0.1	116
20240925_0623	0.1	100
20240925_0633	0.1	196
20240925_0643	0.1	316
20240925_0653	0.1	350
20240925_0703	0.1	320
20240925_0713	0.1	149
20240925_0723	0.1	334
20240925_0733	0.1	191
20240925_0743	0.1	26
20240925_0753	0.1	41
20240925_0803	0.1	172
20240925_0813	0.1	20
20240925_0823	0.7	338
20240925_0833	0.1	86
20240925_0843	0.1	328
20240925_0853	0.3	278
20240925_0903	0.7	110
20240925_0913	0.1	62
20240925_0923	0.1	6
20240925_0933	0.1	153
20240925_0943	0.1	162
20240925_0953	0.1	190
20240925_1003	0.1	204
20240925_1013	0.1	225
20240925_1023	0.1	170
20240925_1033	0.1	276
20240925_1043	0.1	160
20240925_1053	0.1	244
20240925_1103	0.1	130
20240925_1113	0.1	208
20240925_1123	0.1	141
20240925_1133	0.1	189
20240925_1143	0.1	72
20240925_1153	0.1	146

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20240925_1203	0.1	269
20240925_1213	0.1	156
20240925_1223	0.1	227
20240925_1233	0.1	180
20240925_1243	0.1	158
20240925_1253	0.1	144
20240925_1303	0.2	165
20240925_1313	0.1	247
20240925_1323	0.1	261
20240925_1333	0.1	322
20240925_1343	0.1	186
20240925_1353	0.1	170
20240925_1403	0.1	174
20240925_1413	0.1	222
20240925_1423	0.1	154
20240925_1433	0.1	132
20240925_1443	0.4	153
20240925_1453	0.1	73
20240925_1503	0.1	172
20240925_1513	0.1	151
20240925_1523	0.1	99
20240925_1533	0.1	109
20240925_1543	0.1	77
20240925_1553	0.1	108
20240925_1603	0.1	114
20240925_1613	0.1	141
20240925_1623	0.1	130
20240925_1633	0.1	145
20240925_1643	0.1	231
20240925_1653	0.1	171
20240925_1703	0.1	188
20240925_1713	0.1	324
20240925_1723	0.1	267
20240925_1733	0.1	134
20240925_1743	0.1	155
20240925_1753	0.1	137
20240925_1803	0.1	137
20240925_1813	0.1	44
20240925_1823	0.1	77
20240925_1833	0.1	43
20240925_1843	0.1	49
20240925_1853	0.1	28
20240925_1903	0.1	38
20240925_1913	0.1	55
20240925_1923	0.1	145
20240925_1933	0.1	71
20240925_1943	0.1	71
20240925_1953	0.1	41
20240925_2003	0.1	56
20240925_2013	0.1	48
20240925_2023	0.1	69
20240925_2033	0.1	51
20240925_2043	0.1	95
20240925_2053	0.1	85
20240925_2103	0.1	50
20240925_2113	0.1	49
20240925_2123	0.1	58
20240925_2133	0.1	48
20240925_2143	0.1	54
20240925_2153	0.1	53
20240925_2203	0.1	55
20240925_2213	0.1	54
20240925_2223	0.1	51
20240925_2233	0.1	78
20240925_2243	0.1	51
20240925_2253	0.1	45
20240925_2303	0.1	45
20240925_2313	0.1	53
20240925_2323	0.1	60
20240925_2333	0.1	28
20240925_2343	0.1	52
20240925_2353	0.1	52

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20240926_0003	0.1	48
20240926_0013	0.1	48
20240926_0023	0.1	46
20240926_0033	0.1	75
20240926_0043	0.1	63
20240926_0053	0.1	58
20240926_0103	0.1	58
20240926_0113	0.1	66
20240926_0123	0.1	55
20240926_0133	0.1	55
20240926_0143	0.1	56
20240926_0153	0.1	32
20240926_0203	0.1	51
20240926_0213	0.1	51
20240926_0223	0.1	51
20240926_0233	0.1	51
20240926_0243	0.1	51
20240926_0253	0.1	56
20240926_0303	0.1	57
20240926_0313	0.1	36
20240926_0323	0.1	36
20240926_0333	0.1	282
20240926_0343	0.1	194
20240926_0353	0.1	144
20240926_0403	0.1	56
20240926_0413	0.1	55
20240926_0423	0.1	55
20240926_0433	0.1	335
20240926_0443	0.1	0
20240926_0453	0.1	0
20240926_0503	0.1	52
20240926_0513	0.1	52
20240926_0523	0.1	52
20240926_0533	0.1	52
20240926_0543	0.1	52
20240926_0553	0.1	52
20240926_0603	0.1	52
20240926_0613	0.1	52
20240926_0623	0.1	52
20240926_0633	0.1	52
20240926_0643	0.1	45
20240926_0653	0.1	35
20240926_0703	0.1	35
20240926_0713	0.1	35
20240926_0723	0.1	50
20240926_0733	0.1	72
20240926_0743	0.1	106
20240926_0753	0.1	108
20240926_0803	0.1	108
20240926_0813	0.1	154
20240926_0823	0.1	25
20240926_0833	0.3	128
20240926_0843	0.1	118
20240926_0853	0.1	155
20240926_0903	0.1	199
20240926_0913	0.1	115
20240926_0923	0.4	194
20240926_0933	0.1	99
20240926_0943	0.1	1
20240926_0953	0.1	125
20240926_1003	0.2	272
20240926_1013	0.1	160
20240926_1023	0.1	156
20240926_1033	0.2	247
20240926_1043	0.1	205
20240926_1053	0.1	171
20240926_1103	0.1	155
20240926_1113	0.1	247
20240926_1123	0.1	267
20240926_1133	0.1	249
20240926_1143	0.1	222
20240926_1153	0.1	189

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20240926_1203	0.1	251
20240926_1213	0.1	236
20240926_1223	0.1	240
20240926_1233	0.1	168
20240926_1243	0.3	173
20240926_1253	1.5	164
20240926_1303	0.1	217
20240926_1313	0.1	246
20240926_1323	0.5	222
20240926_1333	0.1	265
20240926_1343	0.1	245
20240926_1353	0.1	136
20240926_1403	0.1	140
20240926_1413	0.1	270
20240926_1423	0.1	111
20240926_1433	0.1	203
20240926_1443	0.1	165
20240926_1453	0.1	122
20240926_1503	0.1	147
20240926_1513	0.1	169
20240926_1523	0.1	90
20240926_1533	0.1	137
20240926_1543	0.1	146
20240926_1553	0.1	146
20240926_1603	0.4	136
20240926_1613	0.1	147
20240926_1623	0.1	310
20240926_1633	0.1	234
20240926_1643	0.1	150
20240926_1653	0.1	153
20240926_1703	0.1	149
20240926_1713	0.1	134
20240926_1723	0.1	128
20240926_1733	0.1	82
20240926_1743	0.1	65
20240926_1753	0.1	86
20240926_1803	0.1	40
20240926_1813	0.1	24
20240926_1823	0.1	24
20240926_1833	0.1	24
20240926_1843	0.1	49
20240926_1853	0.1	51
20240926_1903	0.1	38
20240926_1913	0.1	40
20240926_1923	0.1	22
20240926_1933	0.1	36
20240926_1943	0.1	39
20240926_1953	0.1	36
20240926_2003	0.1	54
20240926_2013	0.1	29
20240926_2023	0.1	50
20240926_2033	0.1	34
20240926_2043	0.1	61
20240926_2053	0.1	45
20240926_2103	0.1	351
20240926_2113	0.1	47
20240926_2123	0.1	53
20240926_2133	0.1	51
20240926_2143	0.1	53
20240926_2153	0.1	53
20240926_2203	0.1	52
20240926_2213	0.1	52
20240926_2223	0.1	53
20240926_2233	0.1	33
20240926_2243	0.1	37
20240926_2253	0.1	45
20240926_2303	0.1	42
20240926_2313	0.1	65
20240926_2323	0.1	60
20240926_2333	0.1	46
20240926_2343	0.1	24
20240926_2353	0.1	58

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20240927_0003	0.1	60
20240927_0013	0.1	60
20240927_0023	0.1	60
20240927_0033	0.1	48
20240927_0043	0.1	53
20240927_0053	0.1	53
20240927_0103	0.1	54
20240927_0113	0.1	54
20240927_0123	0.1	53
20240927_0133	0.1	54
20240927_0143	0.1	58
20240927_0153	0.1	56
20240927_0203	0.1	53
20240927_0213	0.1	33
20240927_0223	0.1	33
20240927_0233	0.1	40
20240927_0243	0.1	55
20240927_0253	0.1	82
20240927_0303	0.1	80
20240927_0313	0.1	46
20240927_0323	0.1	56
20240927_0333	0.1	56
20240927_0343	0.1	53
20240927_0353	0.1	71
20240927_0403	0.1	126
20240927_0413	0.1	80
20240927_0423	0.1	80
20240927_0433	0.1	305
20240927_0443	0.1	350
20240927_0453	0.1	350
20240927_0503	0.1	28
20240927_0513	0.1	53
20240927_0523	0.1	53
20240927_0533	0.1	99
20240927_0543	0.1	98
20240927_0553	0.1	50
20240927_0603	0.1	50
20240927_0613	0.1	54
20240927_0623	0.1	91
20240927_0633	0.1	288
20240927_0643	0.1	165
20240927_0653	0.1	232
20240927_0703	0.1	312
20240927_0713	0.1	96
20240927_0723	0.1	152
20240927_0733	0.1	138
20240927_0743	0.1	225
20240927_0753	0.1	148
20240927_0803	0.1	154
20240927_0813	0.1	160
20240927_0823	0.1	147
20240927_0833	0.1	182
20240927_0843	0.1	192
20240927_0853	0.1	228
20240927_0903	0.1	89
20240927_0913	0.3	142
20240927_0923	0.1	181
20240927_0933	0.2	173
20240927_0943	0.2	286
20240927_0953	0.1	210
20240927_1003	0.4	172
20240927_1013	0.8	165
20240927_1023	0.4	161
20240927_1033	0.1	186
20240927_1043	0.8	141
20240927_1053	0.1	190
20240927_1103	0.1	262
20240927_1113	0.1	230
20240927_1123	0.1	219
20240927_1133	0.8	101
20240927_1143	0.1	214
20240927_1153	0.3	176

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20240927_1203	0.7	128
20240927_1213	0.1	253
20240927_1223	0.1	174
20240927_1233	0.1	81
20240927_1243	1.2	144
20240927_1253	0.4	155
20240927_1303	0.1	232
20240927_1313	0.1	152
20240927_1323	0.7	171
20240927_1333	0.1	240
20240927_1343	0.3	148
20240927_1353	1.4	137
20240927_1403	0.1	88
20240927_1413	0.1	134
20240927_1423	0.1	227
20240927_1433	0.1	208
20240927_1443	0.1	240
20240927_1453	0.1	231
20240927_1503	0.1	147
20240927_1513	0.1	183
20240927_1523	0.1	203
20240927_1533	0.1	142
20240927_1543	0.1	250
20240927_1553	0.1	275
20240927_1603	0.1	161
20240927_1613	0.1	9
20240927_1623	0.1	248
20240927_1633	0.1	136
20240927_1643	0.1	152
20240927_1653	0.1	164
20240927_1703	0.1	142
20240927_1713	0.1	128
20240927_1723	0.1	113
20240927_1733	0.1	78
20240927_1743	0.1	80
20240927_1753	0.1	103
20240927_1803	0.1	180
20240927_1813	0.1	152
20240927_1823	0.1	157
20240927_1833	0.1	126
20240927_1843	0.1	150
20240927_1853	0.1	131
20240927_1903	0.1	130
20240927_1913	0.1	106
20240927_1923	0.1	68
20240927_1933	0.1	46
20240927_1943	0.1	53
20240927_1953	0.1	46
20240927_2003	0.1	49
20240927_2013	0.1	53
20240927_2023	0.1	15
20240927_2033	0.1	53
20240927_2043	0.1	53
20240927_2053	0.1	77
20240927_2103	0.1	76
20240927_2113	0.1	74
20240927_2123	0.1	58
20240927_2133	0.1	57
20240927_2143	0.1	47
20240927_2153	0.1	51
20240927_2203	0.1	47
20240927_2213	0.1	47
20240927_2223	0.1	47
20240927_2233	0.1	55
20240927_2243	0.1	55
20240927_2253	0.1	49
20240927_2303	0.1	46
20240927_2313	0.1	61
20240927_2323	0.1	54
20240927_2333	0.1	50
20240927_2343	0.1	50
20240927_2353	0.1	50

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20240928_0003	0.1	37
20240928_0013	0.1	37
20240928_0023	0.1	49
20240928_0033	0.1	51
20240928_0043	0.1	51
20240928_0053	0.1	73
20240928_0103	0.1	47
20240928_0113	0.1	39
20240928_0123	0.1	49
20240928_0133	0.2	96
20240928_0143	0.2	163
20240928_0153	0.1	83
20240928_0203	0.1	105
20240928_0213	0.1	47
20240928_0223	0.1	150
20240928_0233	0.1	256
20240928_0243	0.1	278
20240928_0253	0.1	66
20240928_0303	0.1	56
20240928_0313	0.1	61
20240928_0323	0.1	64
20240928_0333	0.1	127
20240928_0343	0.1	73
20240928_0353	0.1	98
20240928_0403	0.1	62
20240928_0413	0.1	51
20240928_0423	0.1	45
20240928_0433	0.1	51
20240928_0443	0.1	54
20240928_0453	0.1	95
20240928_0503	0.1	95
20240928_0513	0.1	94
20240928_0523	0.1	69
20240928_0533	0.1	44
20240928_0543	0.1	46
20240928_0553	0.1	159
20240928_0603	0.1	159
20240928_0613	0.1	159
20240928_0623	0.1	70
20240928_0633	0.1	72
20240928_0643	0.1	72
20240928_0653	0.1	92
20240928_0703	0.1	92
20240928_0713	0.1	92
20240928_0723	0.1	135
20240928_0733	0.1	171
20240928_0743	0.1	167
20240928_0753	0.1	231
20240928_0803	0.2	162
20240928_0813	0.1	223
20240928_0823	0.1	207
20240928_0833	0.1	161
20240928_0843	0.1	222
20240928_0853	0.1	111
20240928_0903	0.1	133
20240928_0913	0.1	89
20240928_0923	0.1	137
20240928_0933	0.1	159
20240928_0943	0.1	244
20240928_0953	0.1	93
20240928_1003	0.9	106
20240928_1013	0.1	102
20240928_1023	0.3	126
20240928_1033	0.1	150
20240928_1043	0.1	124
20240928_1053	0.1	147
20240928_1103	0.1	143
20240928_1113	0.1	276
20240928_1123	0.1	281
20240928_1133	0.1	263
20240928_1143	0.1	266
20240928_1153	0.3	137

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20240928_1203	0.1	132
20240928_1213	0.1	236
20240928_1223	0.1	236
20240928_1233	0.1	274
20240928_1243	0.1	58
20240928_1253	0.1	315
20240928_1303	0.1	13
20240928_1313	0.1	69
20240928_1323	0.1	121
20240928_1333	0.1	144
20240928_1343	0.1	141
20240928_1353	0.1	106
20240928_1403	0.9	26
20240928_1413	0.3	288
20240928_1423	0.1	95
20240928_1433	0.1	69
20240928_1443	0.5	57
20240928_1453	0.5	120
20240928_1503	3.7	28
20240928_1513	0.1	279
20240928_1523	0.1	303
20240928_1533	0.1	82
20240928_1543	0.1	49
20240928_1553	1.8	138
20240928_1603	0.9	96
20240928_1613	3.1	160
20240928_1623	0.1	50
20240928_1633	0.1	21
20240928_1643	1.3	351
20240928_1653	2.9	351
20240928_1703	0.1	59
20240928_1713	0.1	134
20240928_1723	0.2	68
20240928_1733	0.3	333
20240928_1743	1.3	82
20240928_1753	1.6	127
20240928_1803	0.3	110
20240928_1813	0.1	337
20240928_1823	3.2	342
20240928_1833	0.1	71
20240928_1843	0.1	341
20240928_1853	0.1	343
20240928_1903	1.1	337
20240928_1913	0.1	31
20240928_1923	0.2	346
20240928_1933	3.8	346
20240928_1943	0.1	305
20240928_1953	0.3	37
20240928_2003	0.2	245
20240928_2013	0.8	81
20240928_2023	0.1	92
20240928_2033	5	128
20240928_2043	2.5	74
20240928_2053	0.1	332
20240928_2103	1.7	54
20240928_2113	2.3	53
20240928_2123	0.7	52
20240928_2133	2	353
20240928_2143	0.1	154
20240928_2153	2.8	348
20240928_2203	0.1	161
20240928_2213	0.1	191
20240928_2223	0.3	123
20240928_2233	0.3	150
20240928_2243	0.1	282
20240928_2253	0.1	130
20240928_2303	0.1	138
20240928_2313	0.1	275
20240928_2323	0.1	172
20240928_2333	0.1	107
20240928_2343	0.1	144
20240928_2353	0.4	134

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20240929_0003	0.1	150
20240929_0013	0.2	130
20240929_0023	0.1	139
20240929_0033	0.1	124
20240929_0043	0.1	159
20240929_0053	0.1	239
20240929_0103	0.1	224
20240929_0113	0.1	157
20240929_0123	0.1	308
20240929_0133	0.1	142
20240929_0143	0.1	317
20240929_0153	0.1	93
20240929_0203	0.1	23
20240929_0213	0.1	84
20240929_0223	0.1	103
20240929_0233	0.1	135
20240929_0243	0.1	84
20240929_0253	0.1	93
20240929_0303	0.1	95
20240929_0313	0.1	137
20240929_0323	0.1	90
20240929_0333	0.1	70
20240929_0343	0.1	70
20240929_0353	0.1	27
20240929_0403	0.1	102
20240929_0413	0.1	59
20240929_0423	0.1	60
20240929_0433	0.1	60
20240929_0443	0.1	71
20240929_0453	0.1	62
20240929_0503	0.1	49
20240929_0513	0.1	47
20240929_0523	0.1	48
20240929_0533	0.1	51
20240929_0543	0.1	51
20240929_0553	0.1	352
20240929_0603	0.1	43
20240929_0613	0.1	348
20240929_0623	0.1	29
20240929_0633	0.1	32
20240929_0643	0.1	35
20240929_0653	0.1	35
20240929_0703	0.1	35
20240929_0713	0.1	35
20240929_0723	0.1	35
20240929_0733	0.1	35
20240929_0743	0.1	123
20240929_0753	0.1	123
20240929_0803	0.1	132
20240929_0813	0.1	131
20240929_0823	0.1	326
20240929_0833	0.1	151
20240929_0843	0.1	122
20240929_0853	0.1	112
20240929_0903	0.1	116
20240929_0913	0.1	135
20240929_0923	0.1	135
20240929_0933	0.1	91
20240929_0943	0.1	79
20240929_0953	0.5	125
20240929_1003	0.1	148
20240929_1013	0.1	59
20240929_1023	0.1	221
20240929_1033	0.1	54
20240929_1043	0.1	252
20240929_1053	0.1	96
20240929_1103	0.1	146
20240929_1113	0.1	57
20240929_1123	0.1	96
20240929_1133	0.1	296
20240929_1143	0.1	331
20240929_1153	0.1	100

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20240929_1203	0.1	99
20240929_1213	0.1	81
20240929_1223	0.1	83
20240929_1233	0.1	60
20240929_1243	0.1	244
20240929_1253	0.1	3
20240929_1303	0.1	46
20240929_1313	0.4	137
20240929_1323	0.1	210
20240929_1333	0.1	282
20240929_1343	0.1	183
20240929_1353	0.4	95
20240929_1403	0.1	122
20240929_1413	0.1	132
20240929_1423	0.1	130
20240929_1433	0.1	236
20240929_1443	0.1	266
20240929_1453	0.1	232
20240929_1503	0.2	139
20240929_1513	0.1	333
20240929_1523	0.1	167
20240929_1533	0.1	201
20240929_1543	0.1	242
20240929_1553	0.1	116
20240929_1603	0.1	98
20240929_1613	0.1	103
20240929_1623	0.1	109
20240929_1633	0.1	109
20240929_1643	0.1	82
20240929_1653	0.1	82
20240929_1703	0.1	341
20240929_1713	0.1	55
20240929_1723	0.1	47
20240929_1733	0.1	47
20240929_1743	0.1	68
20240929_1753	0.1	93
20240929_1803	0.1	142
20240929_1813	0.1	158
20240929_1823	0.1	97
20240929_1833	0.1	97
20240929_1843	0.1	96
20240929_1853	0.1	69
20240929_1903	0.1	37
20240929_1913	0.1	56
20240929_1923	0.1	76
20240929_1933	0.1	55
20240929_1943	0.1	55
20240929_1953	0.1	55
20240929_2003	0.1	84
20240929_2013	0.1	39
20240929_2023	0.1	128
20240929_2033	0.1	114
20240929_2043	0.1	114
20240929_2053	0.1	114
20240929_2103	0.1	69
20240929_2113	0.1	70
20240929_2123	0.1	80
20240929_2133	0.1	79
20240929_2143	0.1	76
20240929_2153	0.1	76
20240929_2203	0.1	51
20240929_2213	0.1	51
20240929_2223	0.1	51
20240929_2233	0.1	45
20240929_2243	0.1	47
20240929_2253	0.1	47
20240929_2303	0.1	63
20240929_2313	0.1	117
20240929_2323	0.1	49
20240929_2333	0.1	57
20240929_2343	0.1	64
20240929_2353	0.1	55

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20240930_0003	0.1	53
20240930_0013	0.1	76
20240930_0023	0.1	74
20240930_0033	0.1	45
20240930_0043	0.1	41
20240930_0053	0.1	25
20240930_0103	0.1	32
20240930_0113	0.1	32
20240930_0123	0.1	33
20240930_0133	0.1	33
20240930_0143	0.1	34
20240930_0153	0.1	27
20240930_0203	0.1	45
20240930_0213	0.1	47
20240930_0223	0.1	48
20240930_0233	0.1	53
20240930_0243	0.1	49
20240930_0253	0.1	66
20240930_0303	0.1	58
20240930_0313	0.1	48
20240930_0323	0.1	57
20240930_0333	0.1	56
20240930_0343	0.1	66
20240930_0353	0.1	55
20240930_0403	0.1	55
20240930_0413	0.1	52
20240930_0423	0.1	72
20240930_0433	0.1	96
20240930_0443	0.1	74
20240930_0453	0.1	53
20240930_0503	0.1	88
20240930_0513	0.1	83
20240930_0523	0.1	348
20240930_0533	0.1	97
20240930_0543	0.1	73
20240930_0553	0.1	68
20240930_0603	0.1	47
20240930_0613	0.1	43
20240930_0623	0.1	34
20240930_0633	0.1	4
20240930_0643	0.1	4
20240930_0653	0.1	4
20240930_0703	0.1	4
20240930_0713	0.1	50
20240930_0723	0.1	134
20240930_0733	0.1	84
20240930_0743	0.1	122
20240930_0753	0.1	155
20240930_0803	0.1	150
20240930_0813	0.1	92
20240930_0823	0.1	272
20240930_0833	0.1	149
20240930_0843	0.9	148
20240930_0853	0.1	137
20240930_0903	0.1	153
20240930_0913	0.6	152
20240930_0923	0.1	93
20240930_0933	0.1	21
20240930_0943	0.1	238
20240930_0953	0.1	148
20240930_1003	1.2	254
20240930_1013	5.5	155
20240930_1023	0.1	289
20240930_1033	0.5	203
20240930_1043	0.1	150
20240930_1053	0.8	110
20240930_1103	0.1	56
20240930_1113	0.1	103
20240930_1123	0.3	80
20240930_1133	0.2	161
20240930_1143	0.9	143
20240930_1153	1.5	58

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (Degree)
20240930_1203	0.1	99
20240930_1213	0.9	76
20240930_1223	0.1	172
20240930_1233	0.3	93
20240930_1243	0.1	243
20240930_1253	1.1	125
20240930_1303	1.6	64
20240930_1313	0.6	348
20240930_1323	0.1	195
20240930_1333	1.1	101
20240930_1343	1.8	153
20240930_1353	0.5	112
20240930_1403	1.4	148
20240930_1413	1.4	241
20240930_1423	0.6	260
20240930_1433	0.1	168
20240930_1443	0.2	89
20240930_1453	2.1	135
20240930_1503	0.2	132
20240930_1513	0.1	106
20240930_1523	0.1	55
20240930_1533	0.1	109
20240930_1543	0.1	284
20240930_1553	1.8	129
20240930_1603	0.3	122
20240930_1613	0.1	139
20240930_1623	0.1	112
20240930_1633	0.1	93
20240930_1643	0.1	327
20240930_1653	0.1	52
20240930_1703	0.3	76
20240930_1713	0.1	81
20240930_1723	0.1	20
20240930_1733	0.1	83
20240930_1743	0.1	10
20240930_1753	0.1	338
20240930_1803	0.1	61
20240930_1813	0.1	69
20240930_1823	0.1	313
20240930_1833	0.1	96
20240930_1843	0.1	38
20240930_1853	0.1	54
20240930_1903	0.1	344
20240930_1913	0.1	344
20240930_1923	0.1	53
20240930_1933	0.1	52
20240930_1943	0.1	61
20240930_1953	0.1	29
20240930_2003	0.1	25
20240930_2013	0.1	4
20240930_2023	0.1	160
20240930_2033	0.1	56
20240930_2043	0.1	39
20240930_2053	0.1	19
20240930_2103	0.1	69
20240930_2113	0.1	163
20240930_2123	0.1	145
20240930_2133	0.1	109
20240930_2143	0.1	126
20240930_2153	0.1	63
20240930_2203	0.1	65
20240930_2213	0.1	60
20240930_2223	0.1	313
20240930_2233	0.1	286
20240930_2243	0.1	166
20240930_2253	0.1	149
20240930_2303	0.1	150
20240930_2313	0.1	13
20240930_2323	0.1	346
20240930_2333	0.1	346
20240930_2343	0.1	63
20240930_2353	0.1	56

Appendix J Waste Flow Table

Waste Flow Table

Month	Total Quantity Generated	Total Quantities of Inert C&D Materials to be Generated from the Contract					Total Quantities of Recyclables Generation				Total Quantities of C&D Materials to be Generated from the Contract		
		Hard Rock and Large Broken Concrete	Reused in the Contract	Reused in Other Projects	Disposed as Public Fill	Imported Fill	Metals	Paper / Cardboard Packaging	Plastics	Yard Waste (to Y-Park)	Chemical Waste	General Refuse	Others, e.g. non-recyclable yard waste
	(in tonne)	(in tonne)	(in tonne)	(in tonne)	(in tonne)	(in tonne)	(in tonne)	(in tonne)	(in tonne)	(in tonne)	(in '000L)	(in tonne)	(in tonne)
Dec-22	84.77	0	0	0	0	0	0	0	0	11.49	0	7.53	65.75
Jan-23	24.51	0	0	0	0	0	0	0	0	0	0	24.51	0
Feb-23	506.45	0	0	0	0	0	0	0	0	3.16	0	5.85	497.44
Mar-23	9,581.15	0	0	9,187	0	0	0	0	0	3.69	0	6.96	383.5
Apr-23	18,532.07	0	0	18,466	0	0	0	0	0	1.97	0	5.81	58.29
May-23	28,889.61	0	0	28,473	0	0	0	0	0	0	0	7.45	409.16
Jun-23	11,574.89	0	0	11,211	0	0	0	0	0	2.38	0	14.69	346.82
Jul-23	50,595.49	0	0	50,307	0	0	0	0	0	0	0	25.54	262.95
Aug-23	63,178.52	0	0	63,076	0	0	0	0	0	0	0	30.77	71.75
Sep-23	42,709.75	0	0	42,676	0	0	0	0	0	0	0	33.38	0
Oct-23	55,551.68	0	0	55,405	0	0	0	0	0	2.56	0	28.05	116.07
Nov-23	76,127.24	0	0	73,352	0	2629.37	0	0	0	0	0	35.13	110.74
Dec-23	63,389.25	0	0	57,681	0	5296.17	0	0	0	2.48	0	34.26	375.34
Jan-24	125,840.50	0	0	125,010	0	0	0	0	0	5.59	0	71.13	753.78
Feb-24	108,176.42	0	0	106,218	0	1771.16	0	0	0	0	0	53.76	133.17
Mar-24	70,683.04	0	0	68,989	0	1324.13	0	0	0	3.26	0	108.43	258.01
Apr-24	77,385.12	0	0	75,092	0	1883.87	0	0	0	0	0	112.54	296.71
May-24	45,429.31	0	1396.88	42,809	0	1022.68	0	0	0	0	0	90.72	110.1
Jun-24	24,576.63	0	4716.43	19,274	0	532.8	0	0	0	2.77	0	41.98	8.58
Jul-24	60,797.99	0	3676.77	55,948	0	1114.17	0	0	0	0	0	30.1	28.82
Aug-24	70,135.60	0	16982.92	51,327	0	1792.8	0	0	0	0	0	33.16	0
Sep-24	56,649.14	0	24837.59	28,116	0	3663	0	0	0	0	0	26.76	5.47
Total	1,060,419.13	0.00	51,610.59	982,618	0.00	21,030.15	0.00	0.00	0.00	39.35	0.00	828.51	4,292.45

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. 27 August 2024 Observation 1 – The Chemical containers at Portion E3-1 were removed.

Observation(s):

Nil

Reminder(s)

1. The Contractor has been reminded that the precautions should be taken in accordance with Appendix A2 of ProPECC PN 1/94.

   The precautions to be taken at any time of year when rainstorms are likely
   i. Silt removal facilities, channels and manholes should be maintained and the deposited silt and grit should be removed regularly.
   ii. Temporarily exposed slope surfaces should be cover by tarpaulin.
   iii. Temporary access roads should be protected by crushed stone or gravel.
   iv. Intercepting channels should be provided (e.g. along the crest/edge of excavation) to prevent storm runoff from washing across exposed soil surfaces.
   v. Trenches should be dug and backfilled in short sections. Measures should be taken to minimize the ingress of rainwater into trenches.

   The actions to be taken when a rainstorm is imminent or forecast
   i. Silt removal facilities, channels and manholes should be checked to ensure that they can function properly.
   ii. Open stockpiles of construction materials (e.g. aggregates, sand and fill materials) on site should be covered with tarpaulin or similar fabric.
   iii. All temporary covers to slopes and stockpiles should be secured.

   The actions to be taken during or after rainstorms
   Silt removal facilities, channels and manholes should be checked and maintained to ensure satisfactory working conditions. Attention should be given to safety when carrying out this work.

2. The Contractor has been reminded that the exposed slope surface at Portion B2-1 should not only be covered with a green net, but also with tarpaulin sheets for short-term and shotcrete for long-term slope protection, to prevent silty stormwater runoff.

3. The Contractor has been reminded that the excavation materials near the u-channel should be removed and kept away from the u-channel, and that sandbag barriers should be provided near the u-channel to minimize the excavation materials from entering the drainage system at Portion B2-1 directly when a rainstorm occurs.

4. The Contractor has been reminded that the deposited silt and grit under the sedimentation basins at Portions B2-1 and E3-1 should be removed regularly in order to maintain the effectiveness of these sedimentation basins.

5. The Contractor has been reminded that the exposed slope should be covered by green net after earthwork at Portion A.

6. The Contractor has been reminded that any breaks in the slope protection should be maintained and shotcrete for long-term slope protection at SBA.

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

Nil

	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~~	~~Sylvia Ho/ Jackie Tam/ Marus Tam~~/Kenneth Lam/ ~~Saga Lam~~
Date:	02 September 2024	/	02 September 2024	02 September 2024

Follow up action for previous Site Inspection:

Nil

Observation(s):

1. The accumulated water should be removed to the silt removal facilities at Portion A.
2. Silt fence maintenance should be conducted at SBA.
3. General waste should be collected and stored in the enclosed bin at SBA.

Reminder(s)

1. The Contractor has been reminded that the precautions should be taken in accordance with Appendix A2 of ProPECC PN 1/94.

   The precautions to be taken at any time of year when rainstorms are likely
   i. Silt removal facilities, channels and manholes should be maintained and the deposited silt and grit should be removed regularly.
   ii. Temporarily exposed slope surfaces should be cover by tarpaulin.
   iii. Temporary access roads should be protected by crushed stone or gravel.
   iv. Intercepting channels should be provided (e.g. along the crest/edge of excavation) to prevent storm runoff from washing across exposed soil surfaces.
   v. Trenches should be dug and backfilled in short sections. Measures should be taken to minimize the ingress of rainwater into trenches.

   The actions to be taken when a rainstorm is imminent or forecast
   i. Silt removal facilities, channels and manholes should be checked to ensure that they can function properly.
   ii. Open stockpiles of construction materials (e.g. aggregates, sand and fill materials) on site should be covered with tarpaulin or similar fabric.
   iii. All temporary covers to slopes and stockpiles should be secured.

   The actions to be taken during or after rainstorms
   Silt removal facilities, channels and manholes should be checked and maintained to ensure satisfactory working conditions. Attention should be given to safety when carrying out this work.

2. The Contractor has been reminded that the exposed slope surface at Portion B2-1 should not only be covered with a green net, but also with tarpaulin sheets for short-term and shotcrete for long-term slope protection, to prevent silty stormwater runoff.

3. The Contractor has been reminded that the excavation materials near the u-channel should be removed and kept away from the u-channel, and that sandbag barriers should be provided near the u-channel to minimize the excavation materials from entering the drainage system at Portion B2-1 directly when a rainstorm occurs.

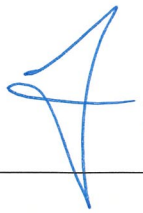
4. The Contractor has been reminded that the deposited silt and grit under the sedimentation basins at Portions B2-1 and E3-1 should be removed regularly in order to maintain the effectiveness of these sedimentation basins.

5. The Contractor has been reminded that the exposed slope should be covered by green net after earthwork at Portion A.

6. The Contractor has been reminded that any breaks in the slope protection should be maintained and shotcrete for long-term slope protection at SBA.

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

1. The Contractor has been reminded that accumulated water should be removed and directed to silt removal facilities for treatment at Portion A.
2. The Contractor has been advised to conduct silt fence maintenance regularly to ensure the silt fence around the soil stockpile areas prevents sediment from entering the system at SBA.
3. The Contractor has been advised to provide an enclosed bin for general waste collection at SBA.

	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:	09 September 2024	/	09 September 2024	09 September 2024

Follow up action for previous Site Inspection:

1. 09 September 2024 Observation 2 - Silt fence was fixed at SBA.
2. 09 September 2024 Observation 3 - General waste was cleaned and disposed, and the enclosed bin was provided for general waste collection at SBA.

Observation(s):

1. The generator without NRMM label is observed at Portion E3-1.
2. The deposited silt and grit are observed at Portion E3-1 ST3.
3. The chemical container without drip tray is observed at Portion E3-1.

Reminder(s)

1. The Contractor has been reminded that the precautions should be taken in accordance with Appendix A2 of ProPECC PN 1/94.

   The precautions to be taken at any time of year when rainstorms are likely
   i. Silt removal facilities, channels and manholes should be maintained and the deposited silt and grit should be removed regularly.
   ii. Temporarily exposed slope surfaces should be cover by tarpaulin.
   iii. Temporary access roads should be protected by crushed stone or gravel.
   iv. Intercepting channels should be provided (e.g. along the crest/edge of excavation) to prevent storm runoff from washing across exposed soil surfaces.
   v. Trenches should be dug and backfilled in short sections. Measures should be taken to minimize the ingress of rainwater into trenches.

   The actions to be taken when a rainstorm is imminent or forecast
   i. Silt removal facilities, channels and manholes should be checked to ensure that they can function properly.
   ii. Open stockpiles of construction materials (e.g. aggregates, sand and fill materials) on site should be covered with tarpaulin or similar fabric.
   iii. All temporary covers to slopes and stockpiles should be secured.

   The actions to be taken during or after rainstorms
   Silt removal facilities, channels and manholes should be checked and maintained to ensure satisfactory working conditions. Attention should be given to safety when carrying out this work.

2. The Contractor has been reminded that the exposed slope surface at Portion B2-1 should not only be covered with a green net, but also with tarpaulin sheets for short-term and shotcrete for long-term slope protection, to prevent silty stormwater runoff.

3. The Contractor has been reminded that the excavation materials near the u-channel should be removed and kept away from the u-channel, and that sandbag barriers should be provided near the u-channel to minimize the excavation materials from entering the drainage system at Portion B2-1 directly when a rainstorm occurs.

4. The Contractor has been reminded that the deposited silt and grit under the sedimentation basins at Portions B2-1 and E3-1 should be removed regularly in order to maintain the effectiveness of these sedimentation basins.

5. The Contractor has been reminded that the exposed slope should be covered by green net after earthwork at Portion A.

6. The Contractor has been reminded that any breaks in the slope protection should be maintained and shotcrete for long-term slope protection at SBA.

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

1. The contractor has been reminded that the NRMM label should be affixed to the generator at Portion E3-1.
2. The contractor has been advised that desilting should be implemented to remove the deposited silt and grid to ensure the efficiency of ST3 at Portion E3-1.
3. The contractor has been recommended to provide drip tray for chemical storage to prevent chemical spillage at Portion E3-1.

	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:	16 September 2024	16 September 2024	16 September 2024	16 September 2024

Follow up action for previous Site Inspection:

1. 9 September 2024 Observation 1 – The accumulated water had been removed by the contractor.
2. 16 September 2024 Observation 1 – The NRMM label had been labelled at the generator at Portion E3-1.
3. 16 September 2024 Observation 3 – The chemical container had been removed at Portion E3-1.

Observation(s):

Nil

Reminder(s)

1. The Contractor has been reminded that the precautions should be taken in accordance with Appendix A2 of ProPECC PN 1/94.

   The precautions to be taken at any time of year when rainstorms are likely
   i. Silt removal facilities, channels and manholes should be maintained and the deposited silt and grit should be removed regularly.
   ii. Temporarily exposed slope surfaces should be cover by tarpaulin.
   iii. Temporary access roads should be protected by crushed stone or gravel.
   iv. Intercepting channels should be provided (e.g. along the crest/edge of excavation) to prevent storm runoff from washing across exposed soil surfaces.
   v. Trenches should be dug and backfilled in short sections. Measures should be taken to minimize the ingress of rainwater into trenches.

   The actions to be taken when a rainstorm is imminent or forecast
   i. Silt removal facilities, channels and manholes should be checked to ensure that they can function properly.
   ii. Open stockpiles of construction materials (e.g. aggregates, sand and fill materials) on site should be covered with tarpaulin or similar fabric.
   iii. All temporary covers to slopes and stockpiles should be secured.

   The actions to be taken during or after rainstorms
   Silt removal facilities, channels and manholes should be checked and maintained to ensure satisfactory working conditions. Attention should be given to safety when carrying out this work.

2. The Contractor has been reminded that the exposed slope surface at Portion B2-1 should not only be covered with a green net, but also with tarpaulin sheets for short-term and shotcrete for long-term slope protection, to prevent silty stormwater runoff.

3. The Contractor has been reminded that the excavation materials near the u-channel should be removed and kept away from the u-channel, and that sandbag barriers should be provided near the u-channel to minimize the excavation materials from entering the drainage system at Portion B2-1 directly when a rainstorm occurs.

4. The Contractor has been reminded that the deposited silt and grit under the sedimentation basins at Portions B2-1 and E3-1 should be removed regularly in order to maintain the effectiveness of these sedimentation basins.

5. The Contractor has been reminded that the exposed slope should be covered by green net after earthwork at Portion A.

6. The Contractor has been reminded that any breaks in the slope protection should be maintained and shotcrete for long-term slope protection at SBA.

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

Nil

	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:	23 September 2024	/	23 September 2024	23 September 2024

Follow up action for previous Site Inspection:

1. 16 September 2024 Observation 1 – The deposited silt and grit at Portion E3-1 was removed by the contractor.

Observation(s):

1. The accumulated water was found at waste skip and shovel bucket of SBA. (Item: D10a & E8c)

Reminder(s)

1. The Contractor has been reminded that the exposed slope surface at Portion B2-1 should not only be covered with a green net, but also with tarpaulin sheets for short-term and shotcrete for long-term slope protection, to prevent silty stormwater runoff.

2. The Contractor has been reminded that the excavation materials near the u-channel should be removed and kept away from the u-channel, and that sandbag barriers should be provided near the u-channel to minimize the excavation materials from entering the drainage system at Portion B2-1 directly when a rainstorm occurs.

3. The Contractor has been reminded that the deposited silt and grit under the sedimentation basins at Portions B2-1 and E3-1 should be removed regularly in order to maintain the effectiveness of these sedimentation basins.

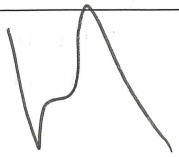
4. The Contractor has been reminded that the exposed slope should be covered by green net after earthwork at Portion A.

5. The Contractor has been reminded that any breaks in the slope protection should be maintained and shotcrete for long-term slope protection at SBA.

6. The Contractor has been reminded that the dust control measures (including frequency of watering by water trucks and water sprinkler etc.) should be increased when the exposed area was dry and the operation of water sprinkler should be maintained in good conditions to ensure the high effectiveness of dust control in the project site.

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

1. The Contractor has been recommended to change the angle of placing the shovel bucket and provide the cover such as impervious sheet for waste skip to minimize the potential risk for accumulation of water. The accumulated water should be removed to silt removal facilities for treatment.

	Environmental Team's Representative:	Independent Environmental Checker's Representative:	Contractor's Representative:	Employee's Representative
Signature:		/		
Name:	Jason Man	/	Matt Choy/~~Kristy Wong/ Kyrie Wong~~	~~Simon Lee/ Marus~~ Tam/Kenneth Lam/ ~~Saga Lam~~
Date:	30 September 2024	/	30 September 2024	30 September 2024

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:

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*	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.					✓
	LFG6	F6	Adequate fire fighting equipment should be provided on-site.				Code of Practice on Safety and Health at Work in Confined Spaces	✓
	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

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	6(1*)	0	6(1*)
Waste Management	0	0	0
Total	7(2*)	0	7(2*)

Remarks:

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

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