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

Monthly Environmental Monitoring and Audit Report (No. 6) – May 2023 2023-06-12



Our Ref.: CL/91823/0485-VES Date: 12 June 2023

By Email

Veolia Environmental Services Hong Kong 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.6) – May 2023

I refer to Condition 3.3 under Environmental Permit No. EP-292/2007 and Further Environmental Permit No. FEP-01/292/2007, regarding the submission of a monthly Environmental Monitoring and Audit report. I hereby verify the captioned "Monthly Environmental Monitoring and Audit Report (No.6) – May 2023" dated 12 June 2023.

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



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

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Ref: P521530-0000-REP-NN-0059

By Email

12 June 2023

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.6) – May 2023

In accordance with the requirement specified in Condition 3.3 of Environmental Permit No. EP-292/2007 and Further Environmental Permit No. FEP-01/292/2007, we are pleased to submit the certified "Monthly Environmental Monitoring and Audit Report (No.6) – May 2023" dated 12 June 2023 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.

CC.

- 1. Monthly Environmental Monitoring and Audit Report (No.6) May 2023
- 1. IEC Ms. Claudine Lee (By email: claudinelee@meinhardt.com.hk)
- 2. IEC Representative Ms. Echo Hung (By email: echohung@meinhardt.com.hk)

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Executive Summary

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.

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

This 6th Monthly EM&A Report presents the EM&A works conducted from 1 to 31 May 2023 in accordance with the EM&A Manual.

Summary of Construction Works undertaken during Report Period

The major construction works undertaken during the reporting period include:

-	Material loading and unloading, site traffic at Portion A, SBA to alternative disposal ground
-	Permanent site office foundation works with pouring of concrete at Portion D
-	Site clearance at Portion A & E3-1
-	Installation of permanent fencing at Portion A, B1 & E4
-	Site formation at Portion A & E3-1
-	Tree felling at Portion E3-1 & E4

Environmental Monitoring and Audit Progress

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

	Items	Times	Date
-	Air Quality Monitoring during normal weekdays at each monitoring station	5 times	5, 11, 17, 23 & 29 May 2023
-	Construction Noise Monitoring during normal weekdays at each monitoring station	5 times	5, 11, 17, 23 & 29 May 2023
-	Surface Water Quality Monitoring during normal weekdays at each monitoring station	1 time	5 May 2023
-	Landfill Gas Monitoring during normal weekdays for Construction Works	26 times	2 to 6, 8 to 13, 15 to 20, 22 to 27, 29 to 31 May 2023
-	Post-translocation Monitoring during normal weekdays at recipient site	1 time	17 May 2023
-	Post-transplantation monitoring and audit during normal weekdays for transplanted plants and receptor sites	1 time	12 May 2023
-	Joint Environmental Site Inspection	5 times	2, 8, 15, 22 & 29 May 2023

Environmental Exceedance

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

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

Environmental Non-conformance/Compliant/Summons and Prosecution

No non-compliance event and complaint were recorded during the reporting period.

No summons/prosecutions were received in this reporting period.

Reporting Change

There was no reporting change in the reporting period.

Future Key Issues

Works to be undertaken in the next month include:

-	Material loading and unloading, site traffic at Portion A, SBA to alternative disposal ground
-	Permanent site office foundation works with pouring of concrete at Portion D
-	Site clearance at Portion A & E3-1
-	Installation of permanent fencing at Portion A, B1 & E4
-	Site formation at Portion A & E3-1
-	Tree felling at Portion E3-1 & E4

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.
- 1.1.3. In accordance with the requirements specified in Section 2.6 to 2.10 and Section 12.3 of the approved Environmental Monitoring and Audit (EM&A) Manual and Environmental Permit (EP and FEP) condition 3.3, Monthly EM&A report should be submitted to the Director of Environmental Protection (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.

ltem(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.

Table 1-1 Nature, Scale and Scope of the captioned Designated Project	Table 1-1	Nature, Scale and Scop	e of the captioned D	esignated Project
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1.3. Purpose of this Report

1.3.1. This is the 6th Monthly EM&A Report which summarises the impact monitoring results and audit findings for the EM&A programme during the reporting period from 01 to 31 May 2023.

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

2. **Project Information**

2.1. Construction Activities

2.1.1. A summary of the major construction activities undertaken in this reporting period is shown in **Appendix L**. Construction programme is illustrated in **Appendix A**.

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 2-1**.

Table 2-1 Contact Information of Key Personnel

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

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

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

FEP Condition	EP Condition	Submission / Measures	Status
2.1	2.3	Management Organization of Main Construction Companies	Submitted
2.2	2.4	Setting up of Community Liaison Group (CLG)	Community Liaison Group was set up.
2.3	2.5	Submission of EM&A Manual	Submitted
2.5	2.7	Submission of Vegetation Survey (Transplantation Proposal)	Submitted
2.6	2.8	Submission of translocation proposal	Submitted
2.7	2.9	Submission of Transplantation	Submitted
		Report and Post-Transplantation Monitoring	10 th post-transplantation monitoring
			(17 May 2023)
2.8	2.10	Submission of Translocation Report and Post-Translocation Monitoring	Translocation was carried out and the report submitted.
			10 th post-translocation monitoring
			(12 May 2023)
2.9	2.11	Submission of Detailed Landfill Gas Hazard Assessment Report	Submitted
2.10	2.12	Submission of Waste Management Plan	Submitted
3.2	3.2	Submission of Baseline Monitoring Report	Submitted

Table 2-2 Status of Submissions required under the FEP & EP during reporting period

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 FEP & EP 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-210/2022	Throughout the Contract	Permit granted on 28 April 2022
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
Registration as Chemical Waste Producer	5213-642-P1034-18	Throughout the Contract	Registered on 11 July 2022
Construction Noise Permit	GW-RN0299-23	22 June 2023	Permit granted on 21 March 2023
Effluent Discharge License under Water	WT00042301-2022	31 October 2027	Permit granted on 18 October 2022
Pollution Control Ordinance			Variation of Licence (Permit granted on 7 February 2023)

2.5. Environmental Monitoring and Audit Progress

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

Table 2-5 Summary of the Monitoring Activities in this reporting period

	Items	Times	Date
-	Air Quality Monitoring during normal weekdays at each monitoring station	5 times	5, 11, 17, 23 & 29 May 2023
-	Construction Noise Monitoring during normal weekdays at each monitoring station	5 times	5, 11, 17, 23 & 29 May 2023
-	Surface Water Quality Monitoring during normal weekdays at each monitoring station	1 time	5 May 2023
-	Landfill Gas Monitoring during normal weekdays for Construction Works	26 times	2 to 6, 8 to 13, 15 to 20, 22 to 27, 29 to 31 May 2023
-	Post-translocation Monitoring during normal weekdays at recipient site	1 time	17 May 2023
-	Post-transplantation monitoring and audit during normal weekdays for transplanted plants and receptor sites	1 time	12 May 2023
-	Joint Environmental Site Inspection	5 times	2, 8, 15, 22 & 29 May 2023

Air Quality

5 sets of 1-hr & 24-hr TSP construction dust measurement were carried out at each monitoring stations during normal weekdays of the reporting period.

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

Noise

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

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

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 was recorded during the reporting period

Landfill Gas

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

Landscape and Visual

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

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

Ecology

1 set of post-translocation monitoring at recipient site and 1 set of post-transplantation monitoring and audit for transplanted plants and receptor sites during normal weekdays of the reporting period were carried out. Implementation of the mitigation measures during construction phase of the Project has been monitored through the regular site inspection/audit.

Environmental Site Inspection

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 15 May 2023. The Contractor has generally implemented the mitigation measures as recommended.

3. Air Quality Monitoring

3.1 Construction Dust

3.1.1 Monitoring Requirement

3.1.1.1 In accordance with the 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 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 C**. The locations of dust monitoring stations are shown in **Table 3-1**. The monitoring parameters, frequency and duration are shown in **Table 3-2**.

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

Table 3-1 Locations of Dust Monitoring Stations

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 D**.

Equipment	Model	Expiry Date	Monitoring Station
	TE-5170X (S/N: 1105)		AM1
High Volume Sampler (HVS)	TE-5170X (S/N: 1106)	5 Jul 2023	AM2
	TE-5170X (S/N: 1856)		AM3
	Sibata LD- 5R (S/N: 0Z4545)		
Direct Decilier Duct Motor	Sibata LD- 5R (S/N: 882106)	5R (S/N:	
Direct Reading Dust Meter	5R (S/N:		
	Sibata LD- 5R (S/N: 942532)		
Calibration Kit (for HVS)	TE-5025A (S/N: 3465)	28 Jun 2023	AM1 to AM3

Table 3-3Dust Monitoring Equipment

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 halflength 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.
- 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
- 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 E** and **Appendix F**.

Dust Monitoring Station	Average 1-hr TSP Concentration, μg/m³ (Range)	Action Level, µg/m³	Limit Level, µg/m³
AM1	23 (15 – 40)	>285	>500
AM2	30 (15 – 43)	>279	>500
AM3	35 (26 – 49)	>285	>500

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

Dust Monitoring Station	Average 24-hr TSP Concentration, μg/m³ (Range)	Action Level, µg/m³	Limit Level, µg/m³
AM1	62 (28 – 106)	>164	>260
AM2	73 (53 – 87)	>152	>260
AM3	93 (29 – 121)	>163	>260

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

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

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

Table 3-6 Summary of Impact 1-hr & 24-hr TSP Exceedance during the reporting period

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 H**.

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

3.1.8.1 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 Li	mit 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	······································	 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 EM&A manual, noise impact monitoring shall be carried out at 2 monitoring stations NM1 and NM2 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 Leg 5 mins. L10 and L90 shall also be measured at 5 mins intervals.

4.2 Monitoring Locations, Parameters and Frequency

- **4.2.1** According to the 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 C**. The frequency and duration are shown in **Table 4-2**.

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

Table 4-1Noise Monitoring Locations

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.

Monitoring Station	Parameter	Frequency and Duration
NM1a and NM2a	L _{Aeq} (30mins) average of 6 consecutive L _{eq} (5min); L10 (5min) & L90 (5min)	once a week during normal construction working hour (0700- 1900 Monday to Saturday)

Table 4-2 Noise Monitoring Parameters, Frequency and Duration

4.3 Monitoring Equipment

- **4.3.1** Integrating Sound Level Meters (SLMs) 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 D**.

Table 4-3	Noise Monitoring Equipment
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Equipment	Model	Expiry Date
Sound Level Meter	NTi XL2 (S/N: A2A-13661-E0)	21 Aug 2023
Acoustic Calibrator	Rion NC-75 (S/N: 34724243)	10 Jul 2023
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 E** and **Appendix F**.

Table 4-4 Summary of Noise Monitoring Results during normal working hours (07:00-19:00, Monday to Saturday)

Noise Monitoring Station	Average Leq, 30min, dB(A) (Range)	Action Level	Limit Level
NM1a	57.4	When one	
	(47.6 – 61.0)	documented	
NM2a	55.8	complaint is	>75dB(A)
	(48.4 – 58.0)	received	

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

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 onsite 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 Table4-5 shall be carried out.

Table 4-5 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 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 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 on 5 May 2023 at WM1 and WM2. 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 C**.

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

Table 5-1 Surface water quality monitoring locations

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 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 D**.

Table 5-3 Surface Water Quality Monitoring Equipment

Equipment	Model	Expiry Date
Water Quality Meter	YSI ProDSS (S/N: 22C106561)	24 Jul 2023
Water Flow Meter	FP111 (S/N: 22K100859)	6 Nov 2023

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**.

Parameters	Detection Limit (in EM&A Manual)	Limit of Reporting	Method Reference
рН	0.1	0.1	APHA 4500 H+ B
Electrical conductivity	1 μS/cm	1 μS/cm	АРНА 2510 В
Alkalinity	1 mg/L	1 mg/L	АРНА 2320 В
COD	10 mg/L	5 mg/L	АРНА 5220 С
BOD ₅	3 mg/L	2 mg/L	АРНА 5210 В
TOC	1 mg/L	1 mg/L	АРНА 5310 В
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 μg/L	50 μg/L	USEPA 6010C
Mg	50 μg/L	50 μg/L	USEPA 6010C
Са	50 μg/L	50 μg/L	USEPA 6010C
К	50 μg/L	50 μg/L	USEPA 6010C
Fe	50 μg/L	10 μg/L	USEPA 6010C
Ni	1 μg/L	1 μg/L	USEPA 6020A
Zn	10 μg/L	10 μg/L	USEPA 6020A
Mn	1 μg/L	1 μg/L	USEPA 6020A
Cu	1 μg/L	1 μg/L	USEPA 6020A
Pb	1 μg/L	1 μg/L	USEPA 6020A
Cd	0.2 μg/L	0.2 μg/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	АРНА 5520 В

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

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 and WM2 on 5 May 2023. No adverse weather was observed during reporting period. The detailed monitoring schedule is shown in **Appendix C**.
- 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 E** and **Appendix F**.
- 5.2.5.3 No particular observations are identified near the monitoring stations during the monitoring period.
- 5.2.5.4 No exceedance of Action and Limit Levels of surface water monitoring was recorded during the reporting period. Therefore, there was no record of Notification of Environmental Quality Limits Exceedance in the **Appendix G**.

Table 5-5 Summary of Impact Surface Water Monitoring Results

	Monitoring Station					
Monitoring		WM1	WM2			
Parameter(s)	Monitoring Results	Action Level	Limit Level	Monitoring Results	Action Level	Limit Level
pН	6.9	>7.7	>7.8	7.3	>7.6	>7.7
Electrical Conductivity in µS/cm	69			212		
DO in mg/L	7.9	<7.4	<4	8.1	<5	<4
Turbidity in NTU	3.1	>9.2	>9.5	30.6	>108.3	>108.9
SS in mg/L	3.3	>9.7	>11.4	34.2	>94.5	>94.7
Alkalinity	18			58		
COD	10			13		
BOD ₅	<2			3.0		
TOC	3			5		
Ammonia- nitrogen	0.06			0.39		
TKN	0.4			0.8		
Nitrate	<0.01			0.03		
Sulphate	4			8		
Sulphite	<2			<2		
Phosphate	0.0			<0.01		
Chloride	7			15		
Sodium	8590	-		11800		
Mg	470			1420		
Са	3460			18600		
К	570			3900		
Fe	660			8990		
Ni	<1			1		
Zn	<10			26		
Mn	84			2370		
Cu	2.0			3		
Pb	<1				-	
Cd	<0.2	-		<0.2		
Coliform Count	40000			1500		
Oil and Grease	<5			<5		

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

- 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 EM&A Manual. The joint environmental site inspection records are shown in **Appendix J**.
- 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 5-6** shall be carried out.

Table 5-6 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

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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 I**.
- **6.1.2** A total of 28,473 tonnes of C&D materials was reused at alternative disposal ground (NENT Landfill) during the reporting period. No yard waste was generated during the reporting period. A total of 7.45 tonnes of general refuse and A total of 409.16 tonnes of non-recyclable yard waste was generated during the reporting period. The general refuse generated from the Project were disposed of at the NENT Landfill.
- **6.1.3** The recommended waste management mitigation measures from EIA report are listed as followed:
 - Implement a trip-ticket system to ensure that the movement of C&D materials are properly documented and verified in accordance with DEVB TC(W) No. 6/2010.
 - Concrete and masonry should be used as general fill and steel reinforcement bars can be used by scrap steel mills.
 - Proper areas should be designated for waste segregation and storage wherever site conditions permit.
 - Maximise the use of reusable steel formwork to reduce the amount of C&D material.
 - Maintain temporary stockpiles and reuse excavated fill material for backfilling and reinstatement.
 - On-site sorting and segregation facility of all type of wastes is considered as one of the best practice in waste management and hence, should be implemented in all projects generating construction waste.
 - The sorted public fill and C&D waste should be properly reused.
 - Excavated slope, stockpiled material and bund walls should be covered by tarpaulin until used in order to prevent wind-blown dust during dry weather, and to reduce muddy runoff during wet weather.

7 Landfill Gas Monitoring

7.1 Monitoring Requirement during Construction

Monitoring for Construction Works

- **7.1.1** Intrinsically safe portable gas detectors should be used during or when working in any confined spaces, which have the potential for presence of LFG and risk of explosion or asphyxiation. The monitoring equipment should alarm, both audibly and visually, when the concentrations of the following gases were exceeded:
 - CH₄: >10% Lower Explosion Limit (LEL);
 - CO₂: >0.5%; and
 - O₂: <18% by volume.

7.2 Monitoring Locations

- **7.2.1** During the construction works within the NENT Landfill Extension site with excavation of 1m deep or more, LFG concentrations should be monitored before entry and periodically during the progress of works. If drilling is required, the procedures for safety management and working procedures as stipulated in EPD's Landfill Gas Hazard Assessment Guidance Note should be strictly adopted.
- **7.2.2** The monitoring frequency and areas to be monitored should be set down prior to commencement of groundworks by the Safety Officer. All measurements in excavations should be made with the monitoring tube located not more than 10mm from the exposed ground surface. Monitoring of excavations should be undertaken as follows:
- 7.2.3 For excavation works deeper than 1m, measurements should be made:
 - at ground surface prior to excavation;
 - immediately before any worker enters the excavation;
 - at the beginning of each working day for the entire period the excavation remains open; and
 - periodically through the working day whilst workers are in the excavation.
- 7.2.4 For excavation between 300mm and 1m deep, measurements should be made:
 - · directly after the excavation has been completed; and
 - periodically whilst the excavation remains open.
- **7.2.5** For excavations less than 300mm deep, monitoring may be omitted, at the discretion of the Safety Officer.
- **7.2.6** The locations of LFG monitoring locations during reporting period are shown in **Table 7-1**. The Site formation layout plan is shown in **Figure 2** and the Layout of LFG monitoring locations is presented in **Figure 3**.

Table 7-1 Locations of LFG Monitoring during reporting per	iod
--	-----

Monitoring Location	Type of works
Portion A +55 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 D. The detection limits are provided in Table 7-3.

Table 7-2 LFG Monitoring Equipment

Monitoring Parameters	Equipment	Model	Expiry Date
CH4 & O2	Gas Detector	PS200 (S/N: 373075)	16 Nov 2023
CO ₂	Gas Analyser	GEM5000 (S/N: G508566)	16 Aug 2023

Parameters	Detection Limit
CH ₄	1% LEL
O2	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.

Parameter	Monitoring Result	Action
	Action Level <19% O ₂	Ventilate trench/void to restore O ₂ to >19%
Oxygen (O ₂)	Limit Level <18% O ₂	Stop works Evacuate personnel/prohibit entry Increase ventilation to restore O ₂ to >19%
	Action Level >10% LEL*	Prohibit hot works Increase ventilation to restore CH4 to <10% LEL
Methane (CH4)	Limit Level >20% LEL*	Stop works Evacuate personnel/prohibit entry Increase ventilation to restore CH ₄ to <10% LEL
	Action Level** >0.5%** CO ₂	Ventilate to restore CO ₂ to <0.5%
Carbon dioxide (CO ₂)	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 CO₂ levels, the Action Level at a particular location will be changed.

7.5 Monitoring Results

- **7.5.1** The LFG monitoring was carried out two rounds (at the beginning of works in the morning and after lunch) at the working days. The monitoring period of each round of LFG monitoring is around 5 minutes.
- **7.5.2** The LFG monitoring was conducted at Portion A +55 mpD to 70 mpD Platform in May 2023 (Conducted on working days). The LFG monitoring results are summarized in **Table 7-5**.

Table 7-5	Summary of LFG Monitoring Results											
LFG	Monitoring		Monitorin	g Parameter(s)								
Monitoring Station	Date	CH₄ in %	LEL in %/v	CO ₂ in %	O ₂ in %							
Station			Average Mo	onitoring Results								
	2 May 2023	0	0	0	20.3							
	3 May 2023	0	0	0	20.2							
	4 May 2023	0	0	0	20.1							
	5 May 2023	0	0	0	20.2							
	6 May 2023	0	0	0	20.2							
	8 May 2023	0	0	0	20.1							
	9 May 2023	0	0	0	20.3							
	10 May 2023	0	0	0	20.2							
	11 May 2023	0	0	0	20.2							
	12 May 2023	0	0	0	20.1							
	13 May 2023	0	0	0	20.1							
	15 May 2023	0	0	0	20.1							
Portion A +55	16 May 2023	0	0	0	20.2							
mpD to 70 mpD Platform	17 May 2023	0	0	0	20.1							
•	18 May 2023	0	0	0	20.1							
	19 May 2023	0	0	0	20.2							
	20 May 2023	0	0	0	20.2							
	22 May 2023	0	0	0	20.1							
	23 May 2023	0	0	0	20.3							
	24 May 2023	0	0	0	20.1							
	25 May 2023	0	0	0	20.1							
	26 May 2023	0	0	0	20.2							
	27 May 2023	0	0	0	20.1							
	29 May 2023	0	0	0	20.2							
	30 May 2023	0	0	0	20.2							
	31 May 2023	0	0	0	20.1							
Action	Level	>10% LEL		>0.5%** CO2	<19%							
			1 2 1 41 2									

Table 7-5 Summary of LFG Monitoring Results

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

** This Limit Level of CO₂ at 0.5% is set for reference only, assuming no CO₂ emission from a particular location.

- **7.5.3** No exceedance of 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 G**.
- **7.5.4** 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 EM&A Manual and their implementation status are summarised in **Appendix K**.

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 22 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-01/292/2007.
- 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 In the reporting period, the post-translocation monitoring for the Endemic Freshwater Crab Somanniathelphusa zanklon was conducted on 17 May 2023 based on the requirement of the approved Revised Translocation Proposal for the Endemic Freshwater Crab Somanniathelphusa zanklon. The 10th Post-Translocation Monitoring Report (May 2023) presents the details of requirements, monitoring results and site inspection with photos. The site inspection photos are also summarized in Appendix N. During the reporting period, no S. zanklon individual is identified.
- 10.1.2 The post-transplantation monitoring was conducted on 12 May 2023 based on the requirement of the approved Transplantation Proposal for Plant Species of Conservation Importance (Rev.1). The 10th Post-transplantation Monitoring and Audit Report (12th May 2023) presents the details of requirements, monitoring results and site inspection with photos. The site inspection photos are also summarized in **Appendix N**. During the reporting period, the numbers, measurements, and health conditions of the transplanted plant species are recorded.
- **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/.

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

Table 10-1Milestone of the Ecological Monitoring

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 2, 8,15, 22 & 29 May 2023. A joint environmental site inspection was carried out by the representatives of the ER, the Contractor, IEC and the ET on 15 May 2023. The joint environmental site inspection records are shown in Appendix J. There was no noncompliance recorded during the site inspections.
- **11.1.3** Major findings and recommendations are summarized as follows:

<u>02 May 2023</u>

- Water in the drip tray shall be cleared off at Portion A. The contractor was recommended to collect and dispose of any stagnant water accumulated in the drip trays and handle them as chemical waste.
- Sand and silt were observed at the road leading to SBA. The contractor was recommended that road surface shall be kept clear of sand and silt.
- Dust suppression measure shall be enhanced to cover all work area and dusty stockpiles in SBA. The contractor was reminded to ensure the implementation of dust suppression measure for the dry work area and dusty stockpile.

<u>08 May 2023</u>

- Accumulated sand and silt shall be cleared off in the wheel washing bay in SBA. The contractor was reminded to conduct regularly cleaning work for the wheel washing bay and to ensure the implementation of vehicle washing in SBA.
- The contractor was reminded to cover the waste skip with impervious sheets during and rainfall, to avoid accumulation of waste and to implement waste sorting.
- The contractor was reminded to ensure all silt removal facilities functioning properly for the upcoming rainfall and the discharged wastewater shall comply with WPCO requirement. The construction and surface runoff shall be directed to silt removal facilities and treated wastewater shall fulfill WPCO requirement.

<u>15 May 2023</u>

- The accumulate of the uprooting of trees without covered entirely by impervious sheeting or placed in an area sheltered on the top and the 3 sides were found at the work area at SBA. 1. The contractor was recommended that the demolished trees should be covered by impervious sheeting or placed in an area sheltered on the top and the 3 sides.
- The accumulate water was found at the lower area at the Portion D. The contractor was recommended that the surface water should be collected to silt removal facilities.
- Accumulate water in drip tray was observed at Portion D. The contractor was recommended to keep cleaning the accumulated water in drip tray to minimize

the large amount of potential chemical waste when the chemical leakage was found.

<u>22 May 2023</u>

- The unrooting trees at Portion A was not covered by impervious sheeting and or placed in an area sheltered on the top and the 3 sides within a day of demolition. The contractor was recommended that all demolished items (including trees) should be covered entirely by impervious sheeting or placed in an area sheltered on the top and the 3 sides within a day of demolition.
- The sand and soil near the channel at Portion E3-1 were found. The contractor was recommended to avoid the untreated surface runoff contaminated with related materials discharged to channel directly. All construction runoffs should be collected to silt removal facilities for treatment.

<u>29 May 2023</u>

- Portion of road leading to Portion A and Portion B2 shall be kept clear of dusty and muddy materials. The Contractor was reminded to clear dusty and muddy material on the portion of road leading to Portion A and Portion B2.
- Slope protection work in Portion A shall be maintained properly to minimize dust dispersion and surface runoff. The Contractor was recommended to apply surface protection on the exposed slope in Portion A.
- The accumulated uprooting trees is found behind the silt removal facilities in Portion B2. 3. The accumulated uprooting trees shall be covered with impervious sheets, placed in an area sheltered on the top and the 3 sides or disposed properly.
- **11.1.4** No Environmental Protection Department-Regional Office (North) conducted general site inspection in May 2023.

12 Environmental Non-conformance

12.1 Summary of Monitoring Exceedance

12.1.1 No exceedance of the Action and Limit Levels for was recorded at designated monitoring stations during the reporting period.

12.2 Summary of Environmental Non-compliance

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

12.3 Summary of Environmental Complaint

12.3.1 No environmental complaint was recorded during the reporting period.

12.4 Summary of Environmental Summons and Successful Prosecution

12.4.1 No summons was received during the reporting period

13 Implementation Status on Environmental Mitigation Measures

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

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 L**.

-	Material loading and unloading, site traffic at Portion A, SBA to alternative disposal ground
-	Permanent site office foundation works with pouring of concrete at Portion D
-	Site clearance at Portion A & E3-1
-	Installation of permanent fencing at Portion A, B1 & E4
-	Site formation at Portion A & E3-1
-	Tree felling at Portion E3-1 & 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 C**.

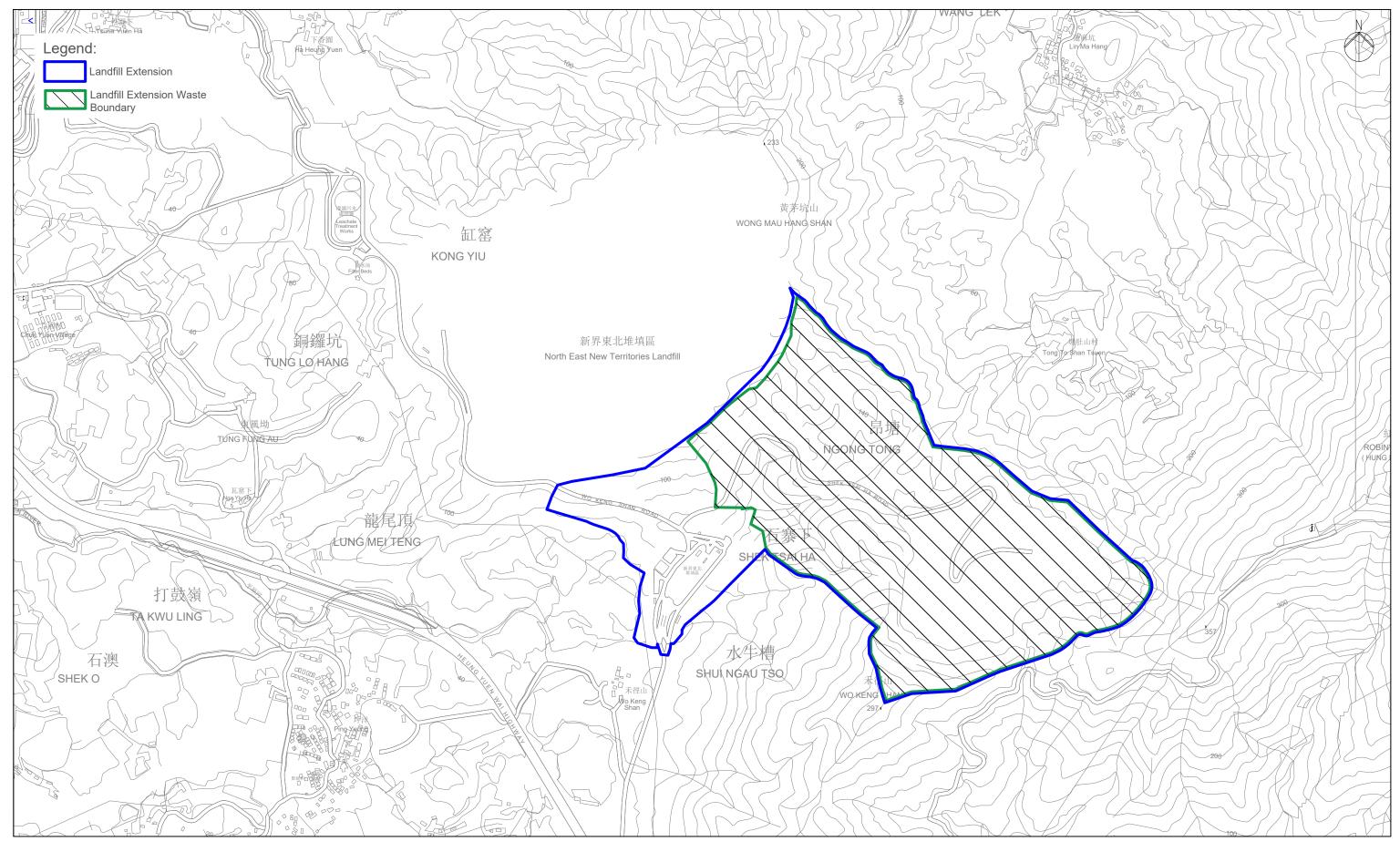
14.3 Construction Programme for the Next Month

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 at AM1, AM2 & AM3 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 monitoring was carried out in the reporting month. No Action / Limit Level exceedance at WM1 & WM2 was recorded during the period.
- **15.1.5** Landfill Gas Monitoring was carried out in the reporting month. No exceedance of 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** Post-translocation Monitoring was carried out in the reporting period. No *S. zanklon individual* was found. Post-transplantation monitoring was carried out in the reporting month. The numbers, measurements and health conditions of the transplanted species are recorded.
- **15.1.8** Five 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.
- **15.1.9** No environmental complaint was recorded during the reporting period.
- **15.1.10** No non-compliance event was recorded during the reporting period.
- **15.1.11** No notification of summons and prosecution was received during the reporting period.
- **15.1.12** 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



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North-East New Territories (NENT) Landfill Extension Location Plan of the Project Site

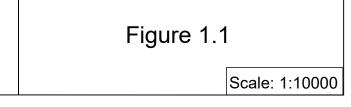
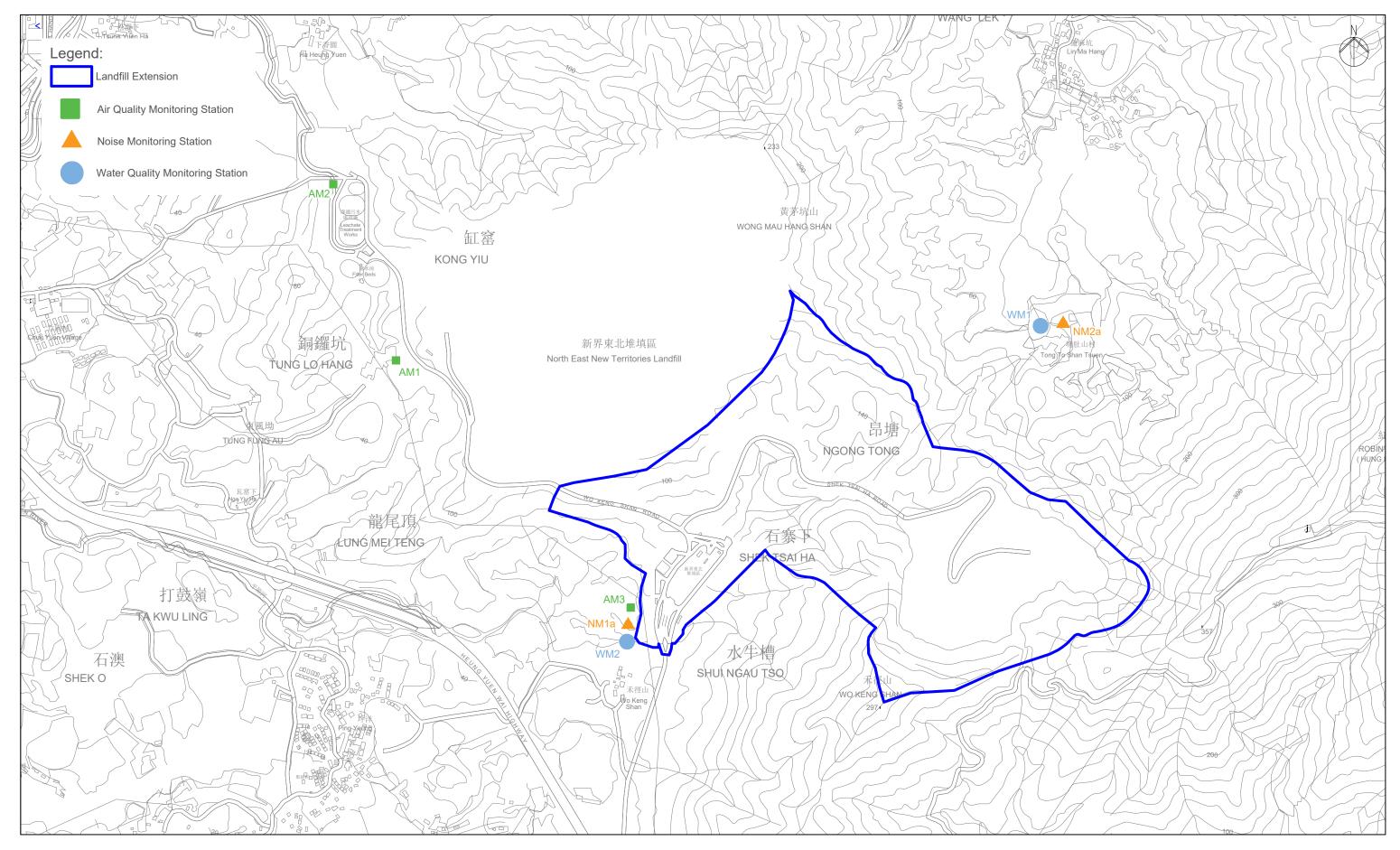


Figure 2 Impact Air Quality, Noise & Surface Water Quality Monitoring Locations



North-East New Territories (NENT) Landfill Extension Impact Monitoring Locations

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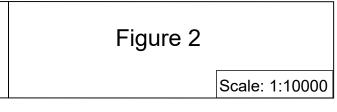
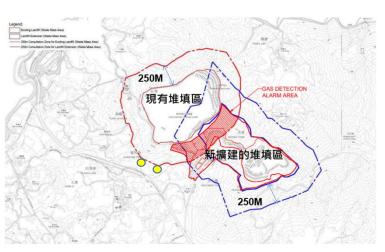
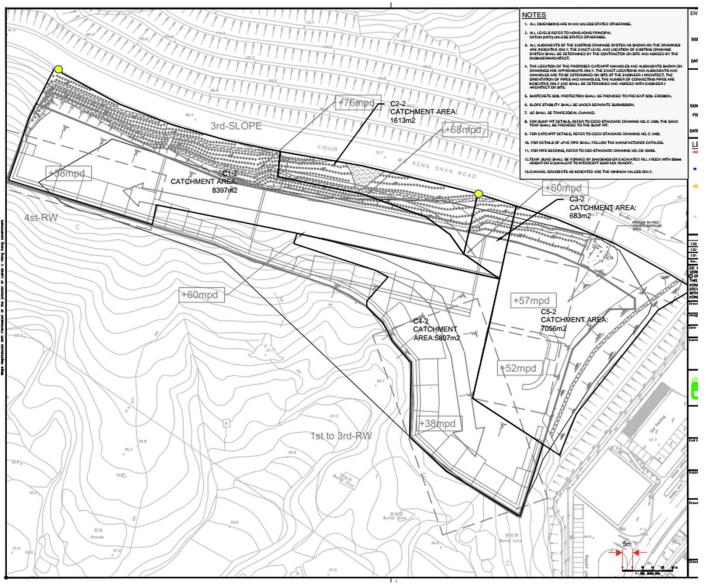


Figure 3 Landfill Gas Monitoring Locations

Gas Monitoring Point • Monitoring Frequency: 2 times per day

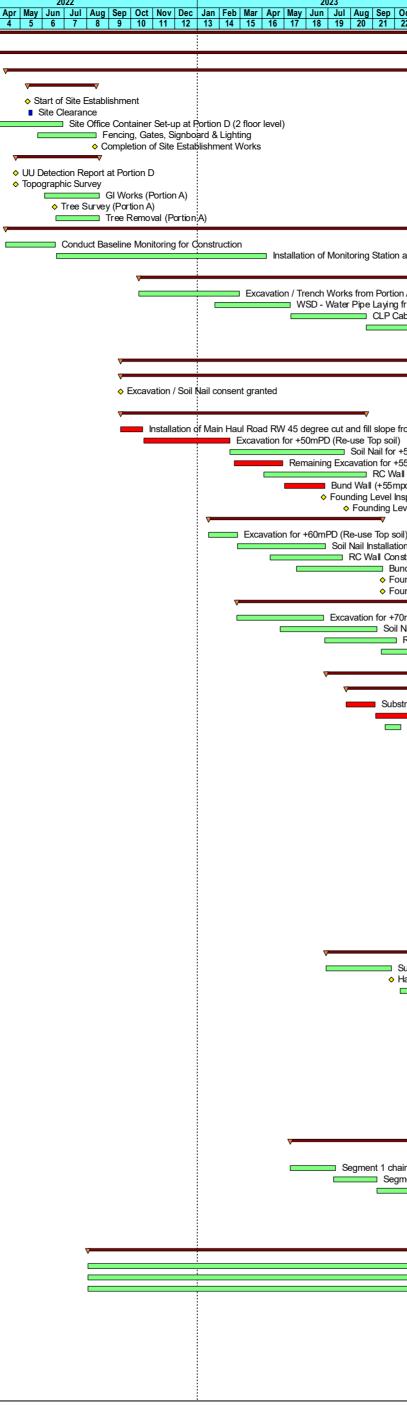






Appendix A Construction Programme

	Activity Name	OD	Start 25-Jan-22 A	Finish 27-Dec-25	Dec -1	Jan Feb 1 2	Mar Apr 3 4
NTX DNSTRUCTION	- INITIAL WORKS PHASE 1	1432	25-Jan-22 A 25-Jan-22 A	27-Dec-25 27-Dec-25		v v	
	nce Works & Site Establishment	1403	11-Apr-22 A	27-Nov-25			V
SITE ESTABLISH 05-0001	IMENT AND MOBILISATION Start of Site Establishment	202 0	12-May-22 A 12-May-22 A	14-Aug-22			
05-0002 05-0003	Site Office Container Set-up at Portion D (2 floor level)	12 60	13-May-22 A 13-May-22 A	18-May-22 A 29-Jun-22			
05-0004	Fencing, Gates, Signboard & Lighting	80	25-May-22 A	14-Aug-22			
05-0005 SITE SURVEY &	Completion of Site Establishment Works INVESTIGATION WORKS	0 75	25-Apr-22 A	12-Aug-22 18-Aug-22			7
05-0007 05-0008	UU Detection Report at Portion D Topographic Survey	0		25-Apr-22 A 25-Apr-22 A			<
05-0009 05-0010	GI Works (Portion A) Tree Survey (Portion A)	75 0	04-Jun-22	18-Aug-22 17-Jun-22			
05-0011	Tree Removal (Portion A)	59	19-Jun-22	18-Aug-22			
ENVIRONMENTA 05-0018	AL MONITORING Conduct Baseline Monitoring for Construction	1138 60	11-Apr-22 11-Apr-22	27-Nov-25 18-Jun-22			
05-0019 05-0020	Installation of Monitoring Station at Portion A and D Conduct Baseline Monitoring for Operation Period	250 255	20-Jun-22 04-Feb-25	06-Apr-23 27-Nov-25			
ITEWIDE Underg	round UTILITIES (Portion A to Portion D)	470	12-Oct-22	11-Apr-24			
05-0012 05-0013	Excavation / Trench Works from Portion A to Portion D for all UG Utilities WSD - Water Pipe Laying from Portion A to Portion D buildings	120 90	12-Oct-22 25-Jan-23	28-Feb-23 09-May-23			
05-0014 05-0015	CLP Cable Laying Site boundary from Portion A to CLP Transformer Room at Process Building Portion A - Remaining LV Cable and UG Duct Utilities Laying and Distribute to all Site Buildings t	90 60	10-May-23 22-Aug-23	22-Aug-23 31-Oct-23			
05-0016 05-0017	Telecom Cable Duct / Cable Laying (Process Building to all site buildings) Backfilling and Reenstatement Works - Portion Ato D alignment Utilities (WSD,CLP,Telecom)	60 80	31-Oct-23 09-Jan-24	09-Jan-24 11-Apr-24			
	structure Treatment Area	1174	17-Sep-22	04-Dec-25			
SITE FORMATIO		397	17-Sep-22	11-Nov-23			
05-0021 05-0022	Excavation / Soil Nail consent granted Site Formation Completed	0	17-Sep-22	11-Nov-23			
Soil Ground Pl 05-0023	atform at +50mPD/+55mPD Installation of Main Haul Road RW 45 degree cut and fill slope from crest line	320 28	17-Sep-22 17-Sep-22	22-Aug-23 17-Oct-22			
05-0024	Excavation for +50mPD (Re-use Top soil)	111	19-Oct-22	15-Feb-23			
05-0025 05-0026	Soil Nail for +50mpD to +60mPD Remaining Excavation for +55mpD to +60mPD (Re use Top soil)	150 64	15-Feb-23 21-Feb-23	23-Jul-23 29-Apr-23			
05-0027 05-0028	RC Wall Construction (+50mPD) chainage Bund Wall (+55mpd)	134 54	03-Apr-23 02-May-23	22-Aug-23 26-Jun-23			
05-0029 05-0030	Founding Level Inspection +55mPD Founding Level Inspection +50mPD	0		24-Jun-23 26-Jul-23			
	atform at +60mPD (LTW Plant)	229	17-Jan-23	14-Sep-23			
05-0031 05-0032	Excavation for +60mPD (Re-use Top soil) Soil Nail Installation	36 115	17-Jan-23 25-Feb-23	25-Feb-23 27-Jun-23			
05-0033 05-0034	RC Wall Construction (+60mPD) chainage Bund Wall (+60mpd, +65mpd)	96 117	12-Apr-23 18-May-23	20-Jul-23 14-Sep-23			
05-0035	Founding Level Inspection +60mPD	0	10-1Vlay-25	14-Sep-23			
05-0036 Soil Ground Pl	Founding Level Inspection +65mPD atform at +70mPD (LTW Plant)	0 248	25-Feb-23	14-Sep-23 11-Nov-23			
05-0037 05-0038	Excavation for +70mPD (Re-use top soil) Soil Nail for +70mPD	113 130	25-Feb-23	24-Jun-23 06-Sep-23			
05-0039	RC Construction (+70mPD) chainage	96	26-Apr-23 26-Jun-23	03-Oct-23			
05-0040 05-0041	Bund Wall (+70mpd) Founding Level Inspection +70mPD	56 0	13-Sep-23	11-Nov-23 11-Nov-23			
PROCESS TREA		891	28-Jun-23 26-Jul-23	04-Dec-25			
Process Buildi 05-0042	Substructure / Footing	661 40	26-Jul-23	17-May-25 04-Sep-23			
05-0043 05-0044	RC LG/F Beam and Column to G/F RC External Wall L/GF	42 18	05-Sep-23 18-Sep-23	20-Oct-23 09-Oct-23			
05-0045 05-0046	RC G/F Slab / beam and Walls/Column to 1/F RC 1/F Slab / beam and Walls/Column to R/F	30 29	20-Oct-23 20-Nov-23	20-Nov-23 19-Dec-23			
05-0047	Commencement of E&M work in CLP Room G/F	0	11-Dec-23				
05-0048 05-0050	CLP Inspection, Lead-in Cable & Connection RC Roof/U/RF slab/beam	107 27	11-Dec-23 19-Dec-23	12-Apr-24 18-Jan-24			
05-0051 05-0052	Commencement of E&M work in Transformer Room, G/F LV Switch Room Transformer & LV Switch Room MEP Installation	0 80	13-Jan-24 15-Jan-24	17-Apr-24			
05-0053 05-0054	Building Envelope Enclosure ABWF, MEP Installation (G/F to R/F)	90 180	18-Jan-24 19-Jan-24	25-Apr-24 16-Aug-24			
05-0055	CLP Power-ON Energisation	0	15-5411-24	17-Apr-24			
05-0056 05-0057	Completion of Process Building Structure with Watertightness Test Commencement of MEP Works in MCC Room, Control Room, Blower Room (VES / ATAL)	0 0	18-Apr-24	17-Apr-24			
05-0058 05-0059	MCC Room MEP Installation LV Switchboard System & Sitewide Distribution	80 150	19-Apr-24 27-Apr-24	22-Jul-24 19-Oct-24			
05-0060 05-0061	Commencement of MEP installation in Control Room Control Room MEP Installation	0 130	17-May-24 17-May-24	16-Oct-24			
05-0062	Control room, Blower MEP Installation	130	17-May-24	16-Oct-24			
05-0063 05-0064	Completion of All Process Building Works & Documentation and Ready for FS Inspection (2nd S FS Inspection and Defects Rectification for Process Building (2nd Stage)	0 180	19-Oct-24	16-Oct-24 17-May-25			
LFG Plant (+55 05-0065	impd) Substructure / Foundation works	678 90	28-Jun-23 28-Jun-23	10-Jun-25 26-Sep-23			
05-0066	Handover of Foundation Top	0		26-Sep-23			
05-0067 05-0068	MEP Installation Testing & Pre-Commissioning	450 150	08-Oct-23 02-Jan-25	22-Jan-25 10-Jun-25			
)mpd, +70mpd)	753 86	13-Nov-23	04-Dec-25			
05-0069 05-0070	Substructure / Foundation works Ammonia Stripper	86 180	13-Nov-23 10-Feb-24	09-Feb-24 07-Sep-24			
05-0071 05-0072	Handover of Foundation Top MEP Installation	0 510	14-Feb-24	14-Feb-24 01-Aug-25			
05-0073 05-0074	BS and Plant Equipment and Instrument Works (ramped provision from 60mpd - 70mpd) SBR Tanks	180 150	12-Feb-24 19-Feb-24	07-Sep-24 12-Aug-24			
05-0075	DG Storage Area	150	14-Feb-24	20-Jul-24			
05-0076 05-0077	Licensing on DG Storage Area ABWF works	270 210	13-Aug-24 09-Sep-24	25-May-25 12-May-25			
05-0078 PORTION A - Unde	Testing & Pre-Commissioning process Pipeworks	150 240	04-Jul-25 09-May-23	04-Dec-25 14-Jan-24			
05-0079	Segment 3 - Excavation and Pipe Laying Works at Main EVA road LTW to LFG area	60	13-Nov-23	14-Jan-24			
05-0080 05-0081	Segment 1 chainage - Excavation and Pipe Laying Entrance to LFG bldg (Lane road 1 LHS) Segment 2 Chainage - Excavation and Pipe Laying Entrance to LFG bldg (Lane road 2 RHS)	60 60	09-May-23 08-Jul-23	11-Jul-23 06-Sep-23			
05-0082 ORTION A - EVA	Segment 4 chainage - Excavation and Pipe Laying at Process building round about Road Paving Works	60 203	06-Sep-23 12-Jan-24	09-Nov-23 14-Aug-24			
05-0067.01	EVA Road Pavement Works from LTW to LFG Area	90	12-Jan-24	19-Apr-24			
05-0067.02 05-0067.03	EVA Road Pavement Works Within Process Building and Main Entrance Handover to Veolia	120 0	12-Apr-24	14-Aug-24 10-Aug-24			
ITEWIDE Interfac	ing and Coordination	633	03-Aug-22	02-Jun-24			
05-0083 05-0084	Water Supply / WSD Power Supply / CLP	540 540	03-Aug-22 03-Aug-22	24-Feb-24 24-Feb-24			
05-0085 05-0086	NENT / NENTX Telecom	513 120	03-Aug-22 25-Jan-24	24-Jan-24 02-Jun-24			
ORTION C - Was	te Reception Area	100	04-Feb-25	30-May-25			
05-0087 05-0089	Vehicle Wash Facility Upgrade Work Weighbridge Upgrade Work	100 75	04-Feb-25 04-Feb-25	30-May-25 01-May-25			
05-0091 05-0092	Weighmaster House Refurbishment & Upgrade Work Wheel Wash Bath Upgrade Work	75 75	04-Feb-25 04-Feb-25	01-May-25 01-May-25			
05-0093	Guard House & Entrance Gate Upgrade Work General Area & Access Road	60 60	04-Feb-25 04-Feb-25	14-Apr-25 14-Apr-25			
05-0094				4-AUE-75			



NORTH EAST NEW TERRITORIES (NE

BASELINE PROGRAMME -INITIAL WORKS

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Summary

2024			2025			1		2026			2027	
Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36	Jan Feb I 37 38	Mar Apr 39 40	May Jun Jul Aug Sep 41 42 43 44 45	Oct No 46 4	ov Dec Jar 7 48 49	n Feb Ma 50 51	ir Apr May Ju 52 53 5	un Jul Aug 4 55 56	Sep Oct Nov 57 58 59	Dec Jan 60 61	Feb Mar Apr M 62 63 64 6	ay Jun JAAlug 35 66 6768
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on at Portion A and D					- Conduct	Pagalina N	Monitoring for O	acration Dorig	d			
v						Daseline	vionitioning for Op	peration Perio	a			
tion A to Portion D for all UG Utilities ng from Portion A to Portion D buildings												
Cable Laying Site boundary from Portion A to CLP Transformer Room at Process Bu Portion A: Remaining LV Cable and UG Duct Utilities Laying and Distribute to	o all Site Buil	dings to P	ortion D									
Telecom Cable Duct / Cable Laying (Process Building to all site Backfilling and Reenstatement Works - Portion		ment Utiliti	ies (WSD,CLP,Telecom)									
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♦ Site Formation Completed												
e from crest line												
bil) pr+50mpD to +60mPD												
+55mpD to +60mPD (Re use Top soil) Wall Construction (+50mPD) chainage												
Smpd) Inspection +55mPD												
Level Inspection +50mPD												
soil)												
ation onstruction (+60mPD) chainage Bund Wa∎ (+60mpd, +65mpd)												
Founding Level Inspection +60mPD Founding Level Inspection +60mPD												
v												
+70mPD (Re-use top soil) oil Nail for +70mPD												
RC Construction (+70mPD) chainage Bund Wall (+70mpd)												
♦ Founding Level Inspection +70mPD					<b></b> v							
ubstructure / Footing			<b>-</b>									
RC LG/F Beam and Column to G/F												
RC G/F Slab / beam and Walls/Column to 1/F RC 1/F Slab / beam and Walls/Column to R/F												
Commencement of E&M work in CLP Room G/F     CLP Inspection, Lead-in Cable & Connection												
<ul> <li>RC Roof/U/RF slab/beam</li> <li>Commencement of E&amp;M work in Transformer Room, G/F LV State</li> </ul>												
Transformer & LV Switch Room MEP Installati												
ABWF, MEP Installation		, ,										
Completion of Process Building Structure with     Commencement of MEP Works in MCC Room     MCD Dependence MED Installation	n, Control Ro	ess lest com, Blow	er Room (VES / ATAL)									
MCC Room MEP Installation     LV Switchbo     ♦ Commencement of MEP installation in G	ard System		e Distribution									
Control Roo	m MEP Insta	llation	ion									
♦ Completion	of All Proces	s Building	Works & Documentation ar	nd Ready	/ for FS hspe	ection (2nd	l Stage) iilding (2nd Stag	e)				
						100000 Da		0)				
Substructure / Foundation works Handover of Foundation Top	- MEP In	stallation										
			Testing & Pre-Com	nmissioni	ng							
Substructure / Foundation works					v							
<ul> <li>Ammonia Stripper</li> <li>Handover of Foundation Top</li> </ul>												
BS and Plant Equip	ment and Ins		MEP Inst Vorks (ramped provision fro		d - 70mpd)							
DG Storage Area			Licensing on DG Stor									
			ABWF works	-	Testing	& Pre-Cor	nmissioning					
		50				& FIE-COI	Timissioning					
Segment 3 - Excavation and Pipe Laying Works at Main EVA ro chainage - Excavation and Pipe Laying Entrance to LFG bldg (Lane road 1 LHS)		-FG area										
egment 2 Chainage - Excavation and Pipe Laying Entrance to LFG bldg (Lane road 2 Segment 4 chainage - Excavation and Pipe Laying at Process building rour												
EVA Road Pavement Works from LTW to LFC												
► EVA Road Pavement W ♦ Handover to Veolia	orks Within I	Process Bu	uilding and Main Entrance									
Water Supply / WSD												
Power Supply / CLP												
Telecom	~		<b></b>									
			Vehicle Wash Facility Weighbridge Upgrade Wo		le Work							
			Weighmaster House Refu Wheel Wash Bath Upgrad	ırbishme 1e Work		e Work						
		Gi	uard House & Entrance Ga eneral Area & Access Road	te Upgra	de Work							
<u> </u>		Di	iesel Fuel Tanks									•
ENTX) LANDFILL EXTENSION					Dat 08-Jul-22		EXTRACTED		ision 14.IAN2023		Checked DW	Approved AY
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EXTRACTED (REV.3)		(										
(PHASE 1)												
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Activity ID	Activity Name	OD	Start	Finish	<u>2022</u> <u>2023</u> <u>2024</u> <u>2025</u> <u>2026</u> <u>2027</u>
PORTION D - Accom	edution Ruildings	054	25-Jan-22 A	04-Sep-24	Correct region         Correct
Advanced Works			25-Jan-22 A	15-Jun-24	
05-00100	Topographic Survey GI Works	0 70	04-Aug-22	25-Apr-22 A 15-Oct-22	♦ Topographic Survey
05-00102 05-00104	Existing Utility Diversion, Interface & Advanced Works Moving IN to completed Integrated Building Office - for IC/ER and construction project team	0		10-Oct-22 10-May-24	<ul> <li>Existing Utility Diversion, Interface &amp; Advanced Works</li> <li>Moving IN to completed Integrated Building Office - for IC/ER and construction project team</li> </ul>
05-0096	Possession of Portion D Site Clearance & Temporary Access Roads	0 52	25-Jan-22 11-Mar-22	09-May-22	Possession of Portion D     Site Clearance & Temporary Access Roads
05-0098	Duration at 2 Floor Level Temporary Site Office - IC/ER and construction project team Environmental Monitoring	690 26	18-Jun-22 25-Apr-22	15-Jun-24 24-May-22	Environmental Monitoring
FIRE SERVICE BUI	LDING	501 95	11-Oct-22 11-Oct-22	24-Feb-24 19-Jan-23	
05-00105	Site Formation - Excavation / UG Utilities	60	11-Oct-22 10-Dec-22	09-Dec-22 16-Dec-22	Site Formation - Excavation / UG Utilities
05-00107 Superstructure	RC Footing/Beam to G/F	28 393	17-Dec-22 20-Jan-23	19-Jan-23 16-Feb-24	RC Footing/Beam to G/F
05-00108	G/F RC slab/beam and column and wall to 1/F 1/F RC slab/beam and column and wall to 2/F	22	20-Jan-23	14-Feb-23	G/F RC slab/beam and column and wall to 1/F
05-00109 05-00110	Removal and clearing of falsework at G/F	25 8	15-Feb-23 16-Mar-23	12-Mar-23 24-Mar-23	Removal and clearing of falsework at G/F      Z/F RC slab/beam and column and wall to R/F
05-00111 05-00112	2/F RC slab/beam and column and wall to R/F Scaffolding installation within perimeter	25 65	12-Mar-23 12-Mar-23	07-Apr-23 16-May-23	Statistical and oddim and wait to VP     Statistical and oddim with perimeter     Watertightness Test at G/F FS Tank Room
05-00113 05-00114	Watertightness Test at G/F FS Tank Room R/F slab/beam	35 24	24-Mar-23 09-Apr-23	28-Apr-23 04-May-23	Removal and clearing of falsework at 1/F
05-00115 05-00116 05-00117	Removal and clearing of falsework at 1/F Removal and clearing of falsework at 2/F Installation of Visitor / Cafeteria Pod at R/F	8	21-Apr-23 02-Jun-23 10-Jun-23	29-Apr-23 10-Jun-23 08-Sep-23	Removal and clearing of falsework at 2/F     Installation of Visitor / Cafeteria Pod at R/F
05-00117 05-00118 ABWF & E&M	Scaffolding removal within perimeter	8 298	08-Feb-24 01-May-23	16-Feb-24 24-Feb-24	□ Scaffolding removal within perimeter
Ground Floor		283	01-May-23	08-Feb-24	
05-00119 05-00120	Ground Floor Access Date ABWF and Internal Finishes Works	0 70	01-May-23 23-Jul-23	04-Oct-23	<ul> <li>♦ Ground Floor Access Date</li> <li>▲ ABWF and Internal Finishes Works</li> </ul>
05-00121 05-00122	BS Works / FS Pump Room and T&C BS Electrical Meter Room - Final Connection and T&C	70 30	03-Oct-23 09-Jan-24	12-Dec-23 08-Feb-24	B\$ Works / FS Pump Room and T&C BS Electrical Meter Room - Final Connection and T&C
05-00123 1st Floor	WSD Water Meter Room and Final Connection	30 121	10-Nov-23 20-May-23	10-Dec-23 18-Sep-23	WSD Water Meter Room and Final Connection
05-00124 05-00125	1st Floor Access Date ABWF and Internal Finishes Works	0 60	20-May-23 21-May-23	23-Jul-23	♦ 1st Floor Access Date     ■ ABWF and Internal Finishes Works
05-00125 05-00126 2nd Floor	BS Works	60 125	20-Jul-23 11-Jul-23	18-Sep-23 13-Nov-23	BS Works
05-00127	2nd Floor Access Date	0	11-Jul-23		<ul> <li>♦ 2nd Floor Access Date</li> <li>ABWF and Internat Finishes Works</li> </ul>
05-00128 05-00129 Boof Floor	ABWF and Internal Finishes Works BS Works	60 60	12-Jul-23 10-Sep-23	10-Sep-23 13-Nov-23 20-Dec-23	BS Works
<b>Roof Floor</b> 05-00130	Roof Floor Access Date	122 0	20-Aug-23 20-Aug-23	20-Dec-23	Roof Floor Access Date     ADME and Extended Table Finisher Made
	ABWF and External Trellis Finishes Works BS and T&C Works	60 60	21-Aug-23 20-Oct-23	24-Oct-23 20-Dec-23	ABWF and External Trellis Finishes Works BS and T&C Works
Visitor Cafeteri 05-00331	a POD Builders and ABWF Finishes Works	119 60	20-Oct-23 20-Oct-23	24-Feb-24 20-Dec-23	Builders and ABWF Finishes Works
	BS and T&C Works	60 489	19-Dec-23 10-Dec-22	24-Feb-24 12-Apr-24	BS and T&C Works
Substructure		101	10-Dec-22	29-Mar-23	
05-00133 05-00134	Site Formation - Excavation / UG Utilities	57	10-Dec-22 13-Feb-23	13-Feb-23 20-Feb-23	Site Formation - Excavation / UG Utilities Installation of Earth Mat RC Footing/Beam to G/F
05-00135 Superstructure	RC Footing/Beam to G/F	37 379	21-Feb-23 30-Mar-23	29-Mar-23 12-Apr-24	V V
05-00136 05-00137	G/F RC slab/beam and column and wall to 1/F 1/F RC slab/beam and column and wall to 2/F	35 40	30-Mar-23 09-May-23	08-May-23 19-Jun-23	G/F RC slab/beam and column and wall to 1/F 1/F RC slab/beam and column and wall to 2/F
05-00138 05-00139	Removal and clearing of falsework at G/F 2/F RC slab/beam and column/wall to R/F	8 38	07-Jun-23 19-Jun-23	15-Jun-23 29-Jul-23	Removal and clearing of falsework; at G/F      2/F RC slab/beam and column/wall to R/F
05-00140 05-00141	Removal and clearing of falsework at 1/F R/F RC slab/beam and column/wall to UR slab/beam	8 40	19-Jul-23 29-Jul-23	27-Jul-23 07-Sep-23	<ul> <li>Removal and clearing of falsework at 1/F</li> <li>R/F RC slab/beam and column/wall to UR slab/beam</li> </ul>
05-00142 05-00143	Scaffolding installation within perimeter Removal and clearing of falsework at 2/F	14 8	29-Jul-23 28-Aug-23	12-Aug-23 05-Sep-23	<ul> <li>Scaffolding installation within perimeter</li> <li>Removal and clearing of falsework at 2/F</li> </ul>
05-00144 ABWF & E&M	Scaffolding removal and clearing within perimeter	24 281	19-Mar-24 16-Jun-23	12-Apr-24 23-Mar-24	Scaffolding removal and clearing within perimeter
Ground Floor 05-00145	Ground Floor Access Date	232	16-Jun-23 16-Jun-23	03-Feb-24	Ground Floor Access Date
05-00145	ABWF and Internal Finishes Works BS Works and Electrical Meter Room Final Connection	60 120	23-Jul-23 03-Oct-23	21-Sep-23 03-Feb-24	ABWF and Internal Finishes Works
1st Floor		126	27-Jul-23	30-Nov-23	♦ 1st Floor Access Date
05-00148 05-00149	1st Floor Access Date ABWF and Internal Finishes Works DD Widdle Access Date	0 60	27-Jul-23 28-Jul-23	26-Sep-23	ABWF and Internal Finishes Works      BS Works
05-00150 2nd Floor	BS Works	60 124	27-Sep-23 19-Sep-23	30-Nov-23 21-Jan-24	
05-00151 05-00152	2nd Floor Access Date ABWF and Internal Finishes Works	0 60	19-Sep-23 20-Sep-23	23-Nov-23	♦ 2nd Floor Access Date     ABWF and Internal Finishes Works
05-00153 Roof Floor	BS Works	60 125	19-Nov-23 19-Nov-23	21-Jan-24 23-Mar-24	BS Works
05-00154 05-00155	Roof Floor Access Date ABWF and External Trellis Finishes Works	0 60	19-Nov-23 20-Nov-23	22-Jan-24	<ul> <li>♦ Roof Floor Access Date</li> <li>▲ BWF and External Trellis Finishes Works</li> </ul>
05-00156	BS/Lift and T&C Works AINTENANCE BUILDING	60	19-Jan-24 01-Mar-23	23-Mar-24 29-Jun-24	BS / Lift and T&C Works
Substructure		113	01-Mar-23	28-Jun-23	Site Formation - Evaluation / U.S. Hillifers
05-00157 05-00158	Site Formation - Excavation / UG Utilities Installation of Earth Mat	84	01-Mar-23 30-May-23	29-May-23 06-Jun-23	Site Formation - Excavation / UG Utilities Installation of Earth Mat RC Footing
05-00159 Superstructure	RC Footing	21 259	07-Jun-23 29-Jun-23	28-Jun-23 13-Mar-24	
05-00160 05-00161	G/F to 1/F RC slab/beam and column works 1/F to 2/F RC slab/beam and column works	25 25	29-Jun-23 24-Jul-23	24-Jul-23 18-Aug-23	G/F to 1/F RC slab/beam and column works
05-00162 05-00163	2/F to R/F RC slab/beam and column works Scaffolding installation within perimeter	26 40	18-Aug-23 18-Aug-23	13-Sep-23 27-Sep-23	2/F to R/F RC slab/beam and column works     Scaffolding installation within perimeter
05-00164 05-00165	Removal and clearing of falsework at G/F R/F RC works slab / beam works	8 30	23-Aug-23 13-Sep-23	31-Aug-23 16-Oct-23	Removal and clearing of falsework at G/F      R/F RC works slab / beam works      Removal and clearing of falsework at 1/F
05-00166 05-00167	Removal and clearing of falsework at 1/F Removal and clearing of falsework at 2/F	8	17-Sep-23 13-Oct-23	25-Sep-23 21-Oct-23	Removal and clearing of falsework at 1/F     Removal and clearing of falsework at 2/F     Sectifications removal and clearing within perimeter
05-00168 ABWF & E&M	Scaffolding removal and clearing within perimeter	22 277	20-Feb-24 26-Sep-23	13-Mar-24 29-Jun-24	Scaffolding removal and clearing within perimeter
Ground Floor 05-00169	Ground Floor Access Date	148 0	26-Sep-23 26-Sep-23	21-Feb-24	Ground Floor Access Date
05-00170	ABWF and Internal Finishes Works BS Works / FS Pump Room and T&C	70 70	27-Sep-23 06-Dec-23	10-Dec-23 21-Feb-24	ABWF and Internal Finishes Works BS Works / FS Pump Room and T&C
05-00172 05-00173	BS Electrical Meter Room - Final Connection and T&C WSD Water Meter Room and Final Connection	30 30	15-Jan-24 15-Jan-24	14-Feb-24 14-Feb-24	BS Electrical Meter Room - Final Connection and T&C WSD Water Meter Room and Final Connection
<b>1st Floor</b> 05-00174	1st Floor Access Date	128	22-Oct-23 22-Oct-23	27-Feb-24	♦ 1st Floor Access Date
05-00174 05-00175 05-00176	ABWF and Internal Finishes Works BS Works	60 60	22-Oct-23 24-Oct-23 22-Dec-23	22-Dec-23 27-Feb-24	ABWF and Internal Finishes Works
2nd Floor		125	21-Dec-23	24-Apr-24	✓ 2nd Floor Access Date
05-00177 05-00178	2nd Floor Access Date ABWF and Internal Finishes Works BS Morte	0 60	21-Dec-23 22-Dec-23	27-Feb-24	<ul> <li>♦ 2nd Floor Access Date</li> <li>▲BWF and Internal Finishes Works</li> <li>■BS Works</li> </ul>
05-00179 Roof Floor	BS Works	60 191	20-Feb-24 21-Dec-23	24-Apr-24 29-Jun-24	$\overline{\mathbf{v}}$
05-00180	Roof Floor Access Date		21-Dec-23		NODILI FACT NEW TERRITORIEO (NENTX) LANDEUL EXTENSION     Date     Revision     Checked     Approved
	Remaining Le	evel of Effort			NORTH EAST NEW TERRITORIES (NENTX) LANDFILL EXTENSION     Date     Revision     Checked     Approved       08-Jul-22     EXTRACTED - ISSUED 14JAN2023     DW     AY
に 「「「」」 「「」	意保護署 Remaining W	Vork			BASELINE PROGRAMME - EXTRACTED (REV.3)
	Cilical Nenia	aining Work			BASELINE PROGRAMME - EXTRACTED (REV.3) INITIAL WORKS (PHASE 1)
					Page 2 of 4

05-00192       Segment 2- Excavation and Pipe Laying Serving RFs Building and Integrated Building. VOIDrain 190       21-Jan-23       02-Jul-23         05-00193       Segment 3- Excavation and Pipe Laying Serving RFs analy Premises - UG Drainage / Severing RFs analy Premises - UG Drainage Serving RFs analy and Reenstatement       150       21-Jan-23       02-Jul-23         05-1819       Segment 1 - Main UG Drainage form Portion A to Portion D and Backfilling and Reenstatement       150       21-Jan-23       02-Jul-23         05-1819       Segment 3 - UG Drainage Serving Maintenance Workshop Building and Integrated Building and Preamment Works       164       20-Jul-23       17-Nov-23         05-1819       Segment 3 - UG Drainage Serving Maintenance Workshop Building And Integrated Building And Preamment Works       181       17-Apr-24       22-Odt-24         05-00194       Completion of All Works & Documentation on SP Suilding (Portion D) and Ready for FSD Inspect       180       17-Odt-24       22-Odt-24         05-00197       2nd FS Inspection and Defects Rectification       180       12-Jan-22A       25-Dac-25         AREA 0-A (E4 & B1)       1371       25-Jan-22A       01-Sep-22       -         05-00252       Indexer accoss       0       25-Jan-22A       01-Sep-22       -         05-00252	
05:0140       Lift works and TGS Works       000       21-Mar;24       20-Mag;24         05:015       Site Formation - Excension / UG Utilities       000       28-Mag;24       07-Mag;24         05:015       Site Formation - Excension / UG Utilities       00       28-Mag;24       07-Mag;24         05:015       Site Formation - Excension / UG Utilities       00       28-Mag;24       07-Mag;24         05:015       Site Formation - Excension / UG Utilities       00       28-Mag;24       07-Mag;24         05:016       CV Work       00       28-Mag;24       07-Mag;24       07-Mag;24         05:018       CV Work       Non-Mag       00       28-Mag;24       07-Mag;24       07-Mag;24         05:018       CV Work       Non-Mag       00       27-Mag;24       07-Mag;24       07-Mag;24         05:018       CV Work       Non-Mag       00       27-Mag;24       07-Mag;24       07-Mag;24         05:019       CV Work       Non-Mag       00       27-Mag;24       07-Mag;24       07-Mag;24         05:019       CV Work       Non-Mag       00       27-Mag;24       07-Mag;24       07-Mag;24         05:019       CO Compartice Name       00       27-Mag;24       07-Mag;24       07-Mag;24	
Binels         320         28-bag 20         07-bag	
05:00169         Site Formation - Deconstant (Ukliking         00         28-Aug-23         20 Feb-34           05:00168         Rice Folding and Barring (Wall         70         27 Aug-23         20 Feb-34           05:00168         Rice Folding and Barring (Wall         70         27 Aug-23         20 Feb-34           05:00167         ABVF 168 and 74 Consts         600         25 Aug-23         20 Feb-34           05:0016         ABVF 168 and 74 Consts         600         25 Aug-23         10 Aug-24           05:0016         ABVF 168 and 74 Consts         600         25 Aug-23         10 Aug-24           05:0016         ABVF 188 and 74 Consts         600         25 Aug-23         10 Aug-24           05:0016         ABVF 188 and 74 Consts         600         25 Aug-23         10 Aug-23           0101         Segment 3 - Exception Morte Perton Ate Perton D - UG Dataga Server         10 Aug-24         12 Aug-23         12 Aug-23           0101         Segment 3 - Contained Exception Perton Ate Perton A	
05:00187         ADVF / E8 and T&C urices         100         21-F6-24         01-Sep-24           05:00180         Site Formation - Excavation / ULUIIties         90         28-Sep-23         01-Sep-24         01-Sep-24           05:00180         Site Formation - Excavation / ULUIIties         90         28-Sep-23         01-Sep-24         01-Sep-24           05:00187         Aversa         90         28-Sep-23         01-Sep-24         01-Sep-24           05:0018         Site Formation - Excavation on Pipe Laping Streng Fib Sep-14         20-Lap-23         01-Sep-24         01-Sep-24           05:0018         Seprent 3 - Excavation and Pipe Laping Streng Fib Sep-14         10-Lap-23         02-Lap-23         02-Lap-23         02-Lap-23           05:00197         Seprent 3 - Mont Order Pien Jape Streng Fib Sep-14         10-Lap-23         02-Lap-23         02-Lap-23         02-Lap-23         02-Lap-23           05:0019         Seprent 3 - Mont Order Seprent Fib Seprent Dialing and Freemang Piner Pineton D and Backfilling and Pienemine Pinetonian D and Pienetonian Pine Pinetonian D and Pienetonian D And Pienetonian Pinetonian D and Pienetonian Pinetonian D and Pienetonian Pinetonian D Pienetonian D And Pienetonian D And Pienetonian Pinetonian D	
5019         Ref Parnation - Excavation / US UBlines         90         24-Nev-24         30-May-24           5019         RC Works         90         24-Nev-24         30-May-24         77-Nev-23           1011         Segment 1 - Excavation and Pie Layng Works         420         22-May-23         77-Nev-23           1013         Segment 1 - Manu 104         240-May-24         77-Nev-23         16-May-24           1018         Segment 1 - Manu 104         Portupe 1- May 104-Nation 140         Portupe 1- May 104-Nation 140         Portupe 1- May 104-Nation 140           1018         Segment 1 - Manu 104         Portupe 1- May 104-Nation 140         Portupe 1- May 104-Nation 140         Portupe 1- May 104-Nation 140           1018         Segment 1 - Manu 104         Portupe 1- May 104-Nation 140         Portupe 1- May 104-Nation 140         Portupe 1- May 104-Nation 140           1018         Segment 1 - Manu 104-Nation 140         Portupe 1- May 104-Nation 140         Portup 2- May 24         Portupe 2- May 24	
00100         RC Works         00         24-Feb-24         04-Stay-24           00100         ARV / 65 and 76 works         000         24-Feb-24         04-Stay-24           00100         Segment 3- Excending and Pipe Laying Works         000         22-Vag-22         19-Laring           00101         Segment 3- Excending and Pipe Laying Works         040         22-Vag-22         19-Laring           00102         Segment 3- Excending and Pipe Laying Works         142         22-Vag-22         19-Laring         19-Laring           01101         Segment 3- Excending and Pipe Laying Works         142         22-Jaring 23         19-Laring         19-Laring         19-Laring         19-Laring 23         19-Laring         19-Laring 23         19-Laring 23         19-Laring 24	
1000 D: Undergressent Drainage and Pipe Laying Warins       426       22.Aug.22       107.4vi/c0.         1010 Segment 1 - Execution and Pipe Laying Serving PS Building and Integrated Building. UG Data       150       22.Aug.22       107.4vi/c0.         1013 Segment 3 - Execution and Pipe Laying Serving PS Building and Integrated Building. UG Data       150       21.4vi/c0.       107.4vi/c0.         1013 Segment 3 - Execution and Pipe Laying Serving PS Building and Integrated Building. UG Data       150       21.4vi/c0.       107.4vi/c0.         1014 D: Completion of Montage Some Picture A Integrate Some Pice A Integrate A Integr	
00192       Segment 2. Excavation and Ppe Laying Serving Pessing Person (Persons) Persons (Persons	
00193       Segment 3: Cascavation and Pipe Laying Serving Remaining Pertises - US Drainage / Serving Standard Read Personent Works       44       21-June 32       15-Alper 24         1819       Segment 1: US Drainage Serving Standard Building and Negarated Buildi	Segment 1 - Excavation and Pipe La Segm
1818       Segment 1: Viain UG Drainage from Potton A to Poton D and EaxBilling and Negrading and Negrading and Negrading and Negrading and Negrading and Negrading State	Segin
1819       Segment 2-UG Drainage Serving FS Building and Hengrated Building and Parement Works       144       22.0.4n-23       17.4kor-23         specification       937       17.4kor-24       36.4kpr-25         ge1 FS Inspecification       154       17.4kpr-24       36.4kpr-25         5010196       Lift FS Inspecification of KWorks & Documentation on Other Accommodation Building, Workshop	Segm
appetion         307         17-Apr-24         22-Oct-25           get IS Inspection         181         17-Apr-24         22-Oct-25           S01194         Completion of All Works & Documentation on FS Building (Portion D) and Ready for FSD Inspection         180         17-Apr-24         22-Oct-25           S01195         Tay FS Inspection         180         17-Oct-24         22-Oct-25           S01196         Completion of All Works & Documentation on ther Accommodation Building, Workshop and An         0         18-Oct-24         22-Oct-25           S01197         Za-Far-25         22-Sum22.A         27-Oct-24         25-Out-25           S01197         Za-Sum22.A         27-Oct-24         25-Out-25           S01207         Dessession of Area O-A         0         25-Jam-22.A         27-Out-26           S0:0225         Accoses Haul Road works         44         19-UL-22         21-Sup-22         0           S0:0226         Tree Survey / Topographic Survey / Condition Survey         27         22-Adr-22         03-Apr-22         03-Apr-22         03-Apr-22         03-Apr-22         05-Out-25         05-Out-25         03-Apr-22         03-Apr-22         03-Apr-22         03-Apr-22         03-Apr-22         03-Apr-22         03-Apr-22         03-Apr-22         03-Apr-22         03-Apr-22 </td <td></td>	
50196         Completion of All Works & Documentation on FS Building (Portion D) and Ready for FSD hspe;         1         17.4pr.74         22-0124         22-0124         22-0124         22-0124         22-0124         22-0124         22-0124         22-0124         22-0124         22-0124         22-0124         22-0124         22-0124         22-0124         22-0124         22-0124         22-0124         22-0124         22-0124         22-0124         22-0124         22-0124         22-0124         22-0124         22-0124         22-0124         22-0124         22-0124         22-0124         22-0124         22-0124         22-0124         22-0124         22-0124         22-0124         22-0124         22-0124         22-0124         22-0124         22-0124         22-0124         22-0124         22-0124         22-0124         22-0124         22-0124         22-0124         22-0124         22-0124         22-0124         22-0124         22-0124         22-0124         22-0124         22-0124         22-0124         22-0124         22-0124         22-0124         22-0124         22-0124         22-0124         22-0124         22-0124         22-0124         22-0124         22-0124         22-0124         22-0124         22-0124         22-0124         22-0124         22-0124         22-0124	
50105       1st FS inspection and Defects Rectification       180       17-Oct-24       22-Oct-24         50106       Competition of All Works & Documentation on other Accommodation Building, Workshop and An       17-Oct-24       25-Apr-25         50106       Competition and Defects Rectification       180       18-Oct-24       25-Apr-26         50107       Znd FS inspection and Defects Rectification       180       18-Oct-24       25-Apr-26         60:00251       Possession of Area O-A       0       25-Jan-22 A       01-Sep-22         05:00252       Handover access       0       24-Feb-22 A       01-Sep-22         05:00252       Tree Survey Report       0       0       -Possession of Area O-A         05:00252       Tree Removal       0       25-Apr-22       01-Apr-22       15-Apr-24         05:00252       Tree Removal       0       0       -Possession of Area O-A       0       -Possession of Area O-A         05:00253       Tree Removal       0       0       -Possession of Area O-A       -Possession of Area O-A       -Possession of A	
Other         Completion of All Works & Documentation on other Accommodation Building, Workshop and An         O         17.0dr.34           500197         2nd F5 Inspection and Defects Rectification         180         18-0at;24         25-0ar;22         27-0ar;24           64004         151         125-1ar;22         27-0ar;24         25-0ar;22         27-0ar;24         25-0ar;22         27-0ar;24           05:00251         Possession of Area O-A         0         25-1ar;22         0         6-03-0ar;24         01-5gr-22         0         6-040r;44         131-12-0ar;24         0         6-04ar;42         0-1-2gr-22         0         6-05023         Access Haul Road works         44         13-1a-12, 22         0-1-2gr-22         0         6-034ar;24         0-25-0ar;22         0-04ar;24         0-3-0ar;24         0-1-2gr-24	
5-00197       2nd FS hspection and Defects Rectification       180       18-02-24       26-An-25         IRAres (Peritodine SL, EA 151, B1 & B3)       1301       25-Jam-22 A       27-Dee-25         EA 0.4 (E4 & B1)       1301       25-Jam-22 A       01-Sep-22         05-00251       Possession of Area O-A       0       22-Jam-22 A       01-Sep-22         05-00252       Handover access       0       22-Jam-22 A       01-Sep-22         05-00254       Hinida Site Survey / Congraphic Survey (Condition Survey       27       28-Mar-22       20-May-22         05-00256       Tree Survey Peport       0       -0       -0       -0         05-00256       Tree Survey / Copographic Survey / Condition Survey completion       0       -0       -25-An-22         05-00256       Tree Removal       0       -25-An-22       -0       -1       -1       -1       -1       -1       -1       -1       -1       -1       -1       -1       -1       -1       -1       -1       -1       -1       -1       -1       -1       -1       -1       -1       -1       -1       -1       -1       -1       -1       -1       -1       -1       -1       -1       -1       -1       -1	
EAO A (E& & B1)         1371         25-Jan-22 A         25-Dec-25           cdvanced Works         150         25-Jan-22 A         01-Sep-22           05-00251         Handover access         0         24-Feb-22 A         01-Sep-22           05-00251         Access Haul Road works         44         19-UL-22         01-Sep-22           05-00253         Tree Survey / Topographic Survey / Condition Survey         27         26-Mar-22         25-Apr-22           05-00256         Tree Survey / Roport         0         -0-Apr-22         05-Apr-22           05-00258         Ground Investigation - Additional Borehole         70         04-Jun-22         13-Aug-22           05-00258         Ground Investigation - Additional Borehole         70         04-Jun-22         13-Aug-22           05-00258         Ground Investigation - Additional Borehole         70         04-Jun-22         13-Aug-22           05-00258         Ground Investigation - Additional Borehole         70         04-Jun-22         15-Jaun-23           05-00250         Site Formation Start         0         0         25-Apr-22         07-Sep-23           05-00250         Drainage surface Run OFF Collection House         160         03-Apr-24         16-Jun-23         16-Jun-23           05-00261 <td></td>	
dvanced Works         150         25-Jan-22 A         01-Sep-22           05-00251         Possession of Area O-A         0         25-Jan-22 A         -           05-00253         Access Haul Road works         0         24-Feb-22 A         -           05-00255         Trees Survey / Topographic Survey / Condition Survey         27         26-Mar-22         25-Apr-22         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         <	
05:00252         Handover access         0         24-Feb-22 A           05:00253         Access Hau Road works         44         19-Jul-22         01-Sep-22           05:00255         Tree Survey Report         0         0         03-Apr-22         25-Apr-22           05:00255         Tree Survey Report         0         0         03-Apr-22         00-May-22           05:00256         Tree Survey Report         0         0         04-Jun-22         13-Aug-22           05:00257         Initial Site Survey / Topographic Survey / Condition Survey completion         0         25-Apr-22         20-Od-25           05:00259         Ground Investigation - Additional Borehole         70         04-Jun-22         13-Aug-22         04-Our-26           05:00250         Ground Investigation - Additional Borehole         70         04-Jun-22         15-Jan-23         06-Our-26           05:00261         Excavation (soil)         349         03-Sep-22         16-Jan-23         16-Jan-23         06-Jan-24           06:00266         Excavation (rock)         378         03-Mar-23         26-Apr-24         05-Our26         5-Sap-24         05-Our26         5-Sap-24         05-Our26         5-Sap-24         06-Our25         06-Our25         5-Sap-24         05-Our26 <t< td=""><td></td></t<>	
05:00253       Access Haul Road works       44       19.ul-22       01:58p-22       Access Haul Road works         05:00254       Initial Site Survey / Topographic Survey / Condition Survey       27       26:4Mar-22       25:Apr-22       03:Apr-22         05:00255       Tree Removal       0       03:Apr-22       20:May-22       25:Apr-22       03:Apr-22         05:00256       Tree Removal       38       06:Apr-22       20:May-22       25:Apr-22       05:00256       Ground hvestigation - Additional Borehole       70       04:Jun-22       13:Aug-22       11:Aug-22       0:Fite Struey / Topographic Survey / Condition - Addition - Additional Borehole       70       04:Jun-22       20:May-22       0:Fourd hvestigation - Additional Borehole       Ground hvestigation - Addition	
05:00255       Tree Survey Report       0       03-Åpr-22         05:00256       Tree Removal       38       06-Apr-22       20-May-22         05:00256       Tree Removal       0       25-Åpr-22       20-May-22         05:00256       Ground Investigation - Additional Borehole       70       04-Jun-22       13-Aug-22         05:00259       Ground Investigation - Additional Borehole completion (14 nos)       0       11-Aug-22       20-Oct-25         05:00250       Ground Investigation - Additional Borehole completion (14 nos)       0       02-Sep-22       20-Oct-25         05:00260       Site Formation Start       0       02-Sep-22       15-Jan-23         05:00263       Drainage surface Run OFF Perimeter Channel       126       03-Sep-22       15-Jan-23         05:00266       Install Earth Bund       150       07-Jan-23       16-Jun-23       29-Apr-24         05:00267       Valley Drain       150       06-Jun-23       09-Nov-23       25-Apr-24         05:00267 / Valley Drain       150       14-Apr-24       15-Sep-24       15-Sep-24         05:00267 / Valley Drain       150       14-Apr-24       16-Sep-24       15-Sep-24         05:00267 / Valley Drain       151       14-Apr-24       06-Oct-25       50-027 <td>ks</td>	ks
05-00257       Initial Site Survey / Topographic Survey / Condition Survey completion       0       05-00257       25-Apr-22         05-00258       Ground Investigation - Additional Borehole       70       04-Jun-22       13-Aug-22         05-00250       Ground Investigation - Additional Borehole completion (14 nos)       0       11-Aug-22         05-00260       Site Formation and Groundwater Trench       0       02-Sep-22       20-Oct-25         05-00261       Excavation (soil)       349       03-Sep-22       07-Sep-23         05-00261       Drainage surface Run OFF Perimeter Channel       126       03-Sep-22       15-Jan-23         05-00263       Drainage surface Run OFF Collection House       150       06-Apr-24       15-Sep-24         05-00266       Excavation (rock)       378       03-Mar-23       06-Apr-24         05-00267.01       Settement cell installation       150       04-Jun-23       29-Apr-24         05-00268       Toe Drain       150       14-Apr-24       15-Sep-24         05-00269       Install Hardfill Gas Pipe on Earth Bund       150       14-Apr-24       15-Sep-24         05-00267.01       Settement cell installation       516       14-Apr-24       15-Sep-24         05-00272       Install Hardfill Gas Pipe on Earth Bund       <	aon ou vey
05-00258       Ground Investigation - Additional Borehole       70       04-Jun-22       13-Aug-22         05-00259       Ground Investigation - Additional Borehole completion (14 nos)       0       11-Aug-22         andfill Ste Formation and Groundwater Trench       1086       02-Sep-22       20-Oct-25         05-00260       Site Formation Start       0       0       0         05-00261       Excavation (soil)       349       03-Sep-22       07-Sep-23         05-00263       Drainage surface Run OFF Perimeter Channel       126       03-Sep-22       15-Jan-23         05-00264       Stope cut with soil nail and sprayed concrete       756       18-Aug-23       20-Oct-25         05-00266       Excavation (rock)       378       03-Mar-23       06-Apr-24         05-00266       Excavation (rock)       378       03-Mar-23       08-Apr-24         05-00267       Valley Drain       150       07-Jun-23       28-Sep-24         05-00268       Toe Drain       150       14-Apr-24       15-Sep-24         05-002701       Install Landfill Gas Pipe on Earth Bund       150       14-Apr-24       15-Sep-24         05-00273       Install Landfill Gas Pipe on Earth Bund       151       14-Apr-24       04-Oct-25         05-00273	
andfill Site Formation and Groundwater Trench108602-Sep-2220-Oct-2505-00260Site Formation Start002-Sep-2207-Sep-2305-00261Excavation (soil)34903-Sep-2215-Jan-2305-00262Drainage surface Run OFF Perimeter Channel12603-Sep-2215-Jan-2305-00263Drainage surface Run OFF Collection House15007-Jan-2316-Jun-2305-00264Slope cut with soil nail and sprayed concrete75618-Aug-2329-Apr-2405-00265Install Earth Bund24018-Aug-2329-Apr-2405-00266Excavation (rock)37803-Mar-2306-Apr-2405-00267. Valley Drain15006-Jun-2309-Nov-2305-00268Toe Drain16303-Nov-2328-Sep-2405-00269Install Intercell Installation15014-Apr-2415-Sep-2405-00270Install Intercell Bund15014-Apr-2415-Sep-2405-00271Install Pump Station and Associated Equipment (Sumphouses)51614-Apr-2406-Oct-2505-00273Site Formation and Groundwater trench completion (1st stage)014-Sep-2405-00273Trial Lining Works5024-Jul-2411-Sep-2405-00273Trial Lining Works3524-Jul-2427-Aug-24	
Observed         Distribution         Observed         Of a Corput         Of a Corput <t< td=""><td></td></t<>	
05-00262       Drainage surface Run OFF Perimeter Channel       126       03-Sep-22       15-Jan-23         05-00263       Drainage surface Run OFF Collection House       150       07-Jan-23       16-Jun-23         05-00264       Slope cut with soil and sprayed concrete       756       18-Aug-23       20-Oct-25         05-00265       Install Earth Bund       240       18-Aug-23       29-Apr-24         05-00266       Excavation (rock)       378       03-Mar-23       06-Apr-24         05-00267       Valley Drain       150       06-Jun-23       09-Nov-23         05-00267.01       Settlement cell installation       314       03-Nov-23       25-Apr-24         05-00268       Toe Drain       150       14-Apr-24       15-Sep-24         05-00269       Install Landfill Gas Pipe on Earth Bund       150       14-Apr-24       15-Sep-24         05-00270       Install Leachate Force Main       518       14-Apr-24       06-Oct-25         05-00271       Install Pump Station and Associated Equipment (Sumphouses)       516       14-Apr-24       04-Oct-25         05-00273       Site Formation and Groundwater trench completion (1st stage)       0       14-Sep-24       05-00273         05-00273.0       Site Formation and Groundwater trench completion (2nd stage) </td <td></td>	
05-00264       Slope cut with soil nail and sprayed concrete       756       18-Aug-23       20-Oct-25         05-00265       Install Earth Bund       240       18-Aug-23       29-Apr-24         05-00266       Excavation (rock)       378       03-Mar-23       09-Apr-24         05-00267       Valley Drain       150       06-Jun-23       09-Nov-23         05-00267.01       Settlement cell installation       314       03-Nov-23       28-Sep-24         05-00268       Toe Drain       163       03-Nov-23       25-Apr-24         05-00269       Install Landfill Gas Pipe on Earth Bund       150       14-Apr-24       15-Sep-24         05-00270       Install Intercell Bund       150       14-Apr-24       15-Sep-24         05-00271       Install Leachate Force Main       518       14-Apr-24       06-Oct-25         05-00272       Install Purpo Station and Associated Equipment (Sumphouses)       516       14-Apr-24       04-Oct-25         05-00273.01       Site Formation and Groundwater trench completion (1st stage)       0       14-Sep-24       05-00273         05-00273.01       Site Formation and Groundwater trench completion (2nd stage)       0       14-Sep-24       05-00274         05-00223       Trial Lining Works       35       24-J	Drainage surface Run OFF Perimete
05-00266       Excavation (rock)       378       03-Mar-23       06-Apr-24         05-00267       Valley Drain       150       06-Jun-23       09-Nov-23         05-00267.01       Settlement cell installation       314       03-Nov-23       28-Sep-24         05-00268       Toe Drain       163       03-Nov-23       25-Apr-24         05-00269       Install Landfill Gas Pipe on Earth Bund       150       14-Apr-24       15-Sep-24         05-00270       Install Leachate Force Main       150       14-Apr-24       15-Sep-24         05-00271       Install Leachate Force Main       518       14-Apr-24       06-Oct-25         05-00273       Site Formation and Associated Equipment (Sumphouses)       516       14-Apr-24       04-Oct-25         05-00273.01       Site Formation and Groundwater trench completion (1st stage)       0       14-Sep-24       05-002-25         05-00273.01       Site Formation and Groundwater trench completion (2nd stage)       0       14-Sep-24       05-002-25         05-00273.01       Site Formation and Groundwater trench completion (2nd stage)       0       14-Sep-24       05-002-25         05-00223       Trial Lining Works       35       24-Jul-24       27-Aug-24       05-Qar-24	
05-00267         Valley Drain         150         06-Jun-23         09-Nov-23           05-00267.01         Settlement cell installation         314         03-Nov-23         28-Sep-24           05-00268         Toe Drain         163         03-Nov-23         25-Apr-24           05-00269         Install Landfill Gas Pipe on Earth Bund         150         14-Apr-24         15-Sep-24           05-00270         Install Leachate Force Main         150         14-Apr-24         15-Sep-24           05-00271         Install Leachate Force Main         518         14-Apr-24         06-Oct-25           05-00273         Install Pump Station and Associated Equipment (Sumphouses)         516         14-Apr-24         04-Oct-25           05-00273         Site Formation and Groundwater trench completion (1st stage)         0         14-Sep-24         05-00275           05-00273.01         Site Formation and Groundwater trench completion (2nd stage)         0         14-Sep-25         14-Sep-24           05-00223         Trial Lining Works         35         24-Jul-24         27-Aug-24         27-Aug-24	
05-00268         Toe Drain         163         03-Nov-23         25-Apr-24           05-00269         Install Landfill Gas Pipe on Earth Bund         150         14-Apr-24         15-Sep-24           05-00270         Install htercell Bund         150         14-Apr-24         15-Sep-24           05-00271         Install Leachate Force Main         518         14-Apr-24         06-Oct-25           05-00272         Install Pump Station and Associated Equipment (Sumphouses)         516         14-Apr-24         04-Oct-25           05-00273         Site Formation and Groundwater trench completion (1st stage)         0         14-Sep-24           05-00273.01         Site Formation and Groundwater trench completion (2nd stage)         0         14-Sep-24           05-00223         Trial Lining Works         50         24-Jul-24         11-Sep-24           05-00223         Trial Lining Works         35         24-Jul-24         27-Aug-24	
05-00270         Install Intercell Bund         150         14-Apr-24         15-Sep-24           05-00271         Install Leachate Force Main         518         14-Apr-24         06-Oct-25           05-00272         Install Pump Station and Associated Equipment (Sumphouses)         516         14-Apr-24         04-Oct-25           05-00273         Site Formation and Groundwater trench completion (1st stage)         0         14-Sep-24           05-00273.01         Site Formation and Groundwater trench completion (2nd stage)         0         14-Sep-25           andfill Trial Area         50         24-Jul-24         11-Sep-24           05-00223         Trial Lining Works         35         24-Jul-24         27-Aug-24	
05-00272Install Pump Station and Associated Equipment (Sumphouses)51614-Apr-2404-Oct-2505-00273Site Formation and Groundwater trench completion (1st stage)014-Sep-2405-00273.01Site Formation and Groundwater trench completion (2nd stage)014-Sep-25andfill Trial Area5024-Jul-2411-Sep-2405-00223Trial Lining Works3524-Jul-2427-Aug-24	
05-00273         Site Formation and Groundwater trench completion (1st stage)         0         14-Sep-24           05-00273.01         Site Formation and Groundwater trench completion (2nd stage)         0         14-Sep-25           andfill Trial Area         50         24-Jul-24         11-Sep-24           05-00223         Trial Lining Works         35         24-Jul-24         27-Aug-24	
andfill Trial Area         50         24-Jul-24         11-Sep-24           05-00223         Trial Lining Works         35         24-Jul-24         27-Aug-24	
Landfill Liner Stage 1-3 (Portion E4, & B1) - 1st Stage         210         14-Sep-24         12-Apr-25	
05-00274         Ready for lining works         0         14-Sep-24           05-0167         Lining Works         120         16-Sep-24         01-Feb-25	
05-0168 Protective stone laying and Leachate Collection Pipe 60 01-Feb-25 12-Apr-25 05-0169 Lining works completed 0 12-Apr-25	
andfill Liner Stage 1-3 (Portion E4, & B1) - 2nd Stage         102         14-Sep-25         25-Dec-25	
05-00275         Ready for lining works         0         14-Sep-25           05-1815         Lining Works         87         16-Sep-25         25-Dec-25	
05-1816     Lining works completed     0     25-Dec-25       05-1817     Protective stone laying and Leachate Collection Pipe     60     16-Oct-25     25-Dec-25	
EA 0-B2 (Portion E3, B1 & E4)         719         25-Jan-22 A         13-Feb-24	
Advanced Works         196         25-Jan-22 A         18-Sep-22           05-00198         Possession of Area O-B2         0         25-Jan-22 A	
05-00199 Tree Removal 0 23-Feb-22 ♦ Tree Removal	
05-00200         Tree Survey         58         24-Feb-22 A         24-Apr-22 A           05-00201         Handover access         0         24-Feb-22 A         ✓         ✓	
05-00202       Initial Site Survey / Topographic Survey / Condition Survey       29       25-Apr-22 A       20-May-22 A         05-00203       Ground Investigation - Additional Borehole       14       11-Aug-22       25-Aug-22	
05-00204 Ground Investigation - Additional Borehole completion 0 25-Aug-22	dditional Borehole completion
05-00206 Tree Survey Report 0 23-May-22 A   Tree Survey Report	
05-00207         Access Haul Road works         60         19-Jul-22         18-Sep-22         Access Haul Road works           05-00208         Site Haul Road completion         0         17-Sep-22         \$Site Haul Road completion         \$Site Haul Road completion	
andfill Site Formation and Groundwater Trench 331 13-Oct-22 26-Sep-23	
05-00209         Site Formation Start         0         13-Oct-22         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         6         14-Oct-22         28-Mar-23         5         5         5         6         1         6         1         1         6         1         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7 <th7< th="" th7<=""> <th7< th="" th7<="">         7</th7<></th7<>	Excavation(soil)
05-00211         Slope cut with soil nail and sprayed concrete         162         11-Apr-23         23-Sep-23           05-00212         Excavation(rock)         172         28-Mar-23         23-Sep-23	
05-00213 Drainage surface Run OFF Perimeter Channel 84 28-Dec-22 28-Mar-23	Drainage surface Run Install Earth
05-00215 Drainage surface Run OFF Collection House 94 28-Mar-23 08-Jul-23	Drain
05-00216         Install Intercell Bund         58         27-May-23         26-Jul-23           05-00216.01         Settlement cell installation         98         15-Jun-23         23-Sep-23	
05-00217         Install Landfill Gas Pipe on Earth Bund         88         27-Jun-23         23-Sep-23           05-00218         Toe Drain and Connection to Existing Drainage         60         26-Jul-23         24-Sep-23	
05-00219 Valley Drain 60 08-Jul-23 06-Sep-23	
05-00220         Install Pump Station and Associated Equipment (Sumphouses)         60         28-Jul-23         26-Sep-23           05-00221         Install Leachate Force Main         60         28-Jul-23         26-Sep-23	
05-00222         Site Formation and Groundwater trench completion         0         26-Sep-23           andfill Liner Stages 1&2 (Portion E3, B1 & E4)         140         26-Sep-23         13-Feb-24	
05-00225 Handover to VES - Ready for lining works 0 26-Sep-23	
05-0191         Lining Works         120         26-Sep-23         13-Feb-24           05-0192         Protective stone laying and Leachate Collection Pipe         60         05-Dec-23         13-Feb-24	
05-0193         Lining works completed         0         13-Feb-24           EA 0-B1 (Portion E3)         1040         25-Jan-22 A         12-Feb-25	
EA 0-B1 (Portion E3)         1040         25-Jan-22 A         12-Pe0-23           Idvanced Works         187         25-Jan-22 A         25-Oct-22	
05-00226 Possession of Area O-B1 0 25-Jan-22 A OPossession of Area O-B1	Road works
05-00228     Handover access     0     24-Feb-22 A <ul> <li>Handover access</li> </ul> <ul> <li>Access</li> <li>Acces</li></ul>	LOON NOUS
05-00229       Commencement of Tree Removal       52       10-Apr-22       08-Jun-22         05-00230       Ground Investigation - Additional Borehole       70       11-Aug-22       23-Oct-22	tigation - Additional Borehole
05-00231     Issuance of Tree Survey Report     0     30-Apr-22 A          Issuance of Tree Survey Report        05-00232     Initial Site Survey / Topographic Survey / Condition Survey completion     0     23-May-22 A          Initial Site Survey / Topographic Survey / Topo	•
05-00233 Tree Removal completion 0 08-Jun-22	2 .
	tigation - Additional Borehole completio
	T NEW TERRITORIE
環境保護署 Environmental Protection Department	INE PROGRAMN
Environmental Protection Department	
♦ Milestone	INITIAL WOF

Page 3 of 4

Summary

2024   Oct   Nov   Dec   Jan   Feb   Mar   Apr   May   Jun   Jul   Aug   Sep   Oct   Nov   Dec   Jan   Feb	2025 Mar   Apr   May   Jun   Jul   Aug   Sep   Oct	Nov Dec	Jan Feb M	2026 ar Apr May Jun Jul Aug Sep Oct Nov Dec	2027 Jan Feb Mar Apr M	ay Jun JAAluog
Oct         Nov         Dec         Jan         Feb         Mar         Apr         May         Jun         Aug         Sep         Oct         Nov         Dec         Jan         Feb           22         23         24         25         26         27         28         29         30         31         32         33         34         35         36         37         38           ABWF and External Finishes Works	39   40   41   42   43   44   45   46	47 48	49   50   5	1   52   53   54   55   56   57   58   59   60	61   62   63   64   6	5   66   6768
External Staircase from Roof to Ground Floor BS and T&C Works						
Lift works and T&C Works						
v						
Site Formation - Excavation / UG Utilities						
RC Footing and Bearing Wall ABWF / BS and T&C works						
Site Formation - Excavation / UG Utilities RC Works						
ABWF / BS and T&C works						
orks Portion A to Portion D - UG Drainage/Sewer						
ccavation and Pipe Laying Serving FS Building and Integrated Building - UG Drainage/Sewer عمد Segment 3 - Excavation and Pipe Laying Serving Remaining Premises - اللا G Drainage	/ Sewer					
lain UG Drainage from Portion A to Portion D and Backfilling and Reenstatement Works Segment 2- UG Drainage Serving FS Building and Integrated Building and Pavement	Works					
Segment 3 - UG Drainage Serving Maintenance Worksho	p Buildings and other remaining premises					
· · · · · · · · · · · · · · · · · · ·	v					
Completion of All Works & Documentation on FS Building	(Portion D) and Ready for FSD Inspection					
1st FS Inspection and I	Defects Rectification					
Completion of All Works	& Documentation on other Accommodation	Building, W	orkshop and	Ancillary Ready for FSD Inspection		
	2nd FS Inspection and Defects R					
	~					
xcavation (soil)						
el						
Run OFF Collection House		Slope cut wit	th soil nail an	d sprayed concrete		
Install Earth Bund						
Valley Drain						
Toe Drain						
Install Landfill Gas Pipe on Ea Install Intercell Bund	rth Bund					
			e Force Main ation and Ass	ociated Equipment (Sumphouses)		
<ul> <li>Site Formation and Groundwa</li> </ul>	ter trench completion (1st stage)			er trench completion (2nd stage)		
▽━━━▽			Groundwate			
Trial Lining Works						
	<b></b>					
Ready for lining works	g Works					
	Protective stone laying and Leacha	te Collection	n Pipe			
	Lining works completed					
	♦ Ready	for lining wo	rks Lining Works			
		<u>م</u> ا	Lining works	completed		
~			Protective sto	one laying and Leachate Collection Pipe		
,						
Slope cut with soil nail and sprayed concrete						
Excavation(rock) meter Channel						
ace Run OFF Collection House						
rcell Bund						
Settlement cell installation Install Landfill Gas Pipe on Earth Bund						
Toe Drain and Connection to Existing Drainage Illey Drain						
Install Pump Station and Associated Equipment (Sumphouses)						
Install Leachate Force Main Site Formation and Groundwater trench completion						
······································						
Handover to VES - Ready for lining works Lining Works						
Protective stone laying and Leachate Collection Pipe     Lining works completed						
		:			1	
)						
			Date	Revision	Checked	Approved
ENTX) LANDFILL EXTENSION		08-Jul-2		Revision EXTRACTED - ISSUED 14JAN2023	Checked DW	Approved AY
ENTX) LANDFILL EXTENSION						
EXTRACTED (REV.3)						

Act	ivity Name	OD	Start	Finish	Dec         Jan         Feb         Mar         Apr         May         Jun         Jul         Aug         Sep         Oct         Nov         Dec         Jan         Feb         Mar         Apr         May         Jun         Jul         Aug         Sep         Oct         Nov         Dec         Jan         Feb         Mar         Apr         May         Jun         Jul         Aug         Sep         C           -1         1         2         3         4         5         6         7         8         9         10         11         12         13         14         15         16         17         18         19         20         21         1           Site Haul Road completion         Source         State Haul Road completion         State Haul Road completion         State Haul Road completion         State Haul Road completion
	e Haul Road completion	0	07.0	25-Oct-22	♦ Site Haul Road completion
	n and Groundwater Trench	664	25-Oct-22	25-Sep-24	♦ Site Formation Start
	e Formation Start cavation(soil)	0 252	25-Oct-22 27-Oct-22	22-Jul-23	Site Formation Start
	ainage surface Run OFF Perimeter Channel	111	27-Oct-22	23-Feb-23	Drainage surface Run OFF Perimeter Ch
	ainage surface Run OFF Collection House	85	24-Feb-23	24-May-23	Drainage surface Run O
	pe cut with soil nail and sprayed concrete	401 317	22-Jul-23 23-Jul-23	14-Sep-24 21-Jun-24	
	e Drain and Connection to Existing Drainage	144	23-Jui-23 24-May-23	21-Jun-24 21-Oct-23	
05-00243 Val	ley Drain	144	24-May-23	21-Oct-23	
	tall Earth Bund	126 0	05-Feb-24	21-Jun-24	
	e Formation and Groundwater trench completion tall Landfill Gas Pipe on Earth Bund	60	21-Jun-24	24-Sep-24 21-Aug-24	
05-00247 Inst	tall Intercell Bund	59	21-Jun-24	20-Aug-24	
	ttlement cell installation tall Leachate Force Main	192	21-Oct-23	13-May-24	
	tall Pump Station and Associated Equipment (Sumphouses)	35 34	20-Aug-24 20-Aug-24	25-Sep-24 24-Sep-24	
Landfill Liner Stage 1-		140	25-Sep-24	12-Feb-25	
	ndover to VES - Ready for lining works	0		25-Sep-24	
	ing Works	120	26-Sep-24	12-Feb-25	
	ing works completed	60 0	04-Dec-24	12-Feb-25 12-Feb-25	
Area 0-D (Portion E1 & I		884	26-Jul-23	25-Dec-25	· · · · · · · · · · · · · · · · · · ·
Advanced Works		86	26-Jul-23	24-Oct-23	· · · · · · · · · · · · · · · · · · ·
05-00301 Pos	ssession of Area O-D	0	26-Jul-23		♦ Possession of
	ial Site Survey / Topographic Survey / Condition Survey	30	26-Jul-23	24-Aug-23	Initial Si
	ee Survey Report	0 30	05 Aug 02	24-Aug-23	♦ Tree Su
	æ Removal ial Site Survey / Topographic Survey / Condition Survey completion	0	25-Aug-23	23-Sep-23 24-Aug-23	♦ Initial Si
05-00306 Acc	cess Haul Road works	56	25-Aug-23	23-Oct-23	1
	e Removal completion	0		23-Sep-23	◆ Tr
	e Haul Road completion n and Groundwater Trench	690	24-Oct-23	24-Oct-23 12-Sep-25	
	e Formation Start	0	24-Oct-23	2 300 20	
05-00310 Exc	cavation (soil)	106	24-Oct-23	10-Feb-24	
	tall Earth Bund and Pump Station	140	14-Feb-24	09-Jul-24	
05-00312 Exc 05-00313 Dra	cavation (rock) ainage surface Run OFF Perimeter Channel	268 141	14-Feb-24 14-Feb-24	18-Nov-24 11-Jul-24	
	ttlement cell installation	200	10-Jul-24	26-Jan-25	
	tall Landfill Gas Pipe on Earth Bund	193	10-Jul-24	25-Jan-25	
	ainage surface Run OFF Collection House	84 84	16-Nov-24 13-Feb-25	13-Feb-25 14-May-25	
	tall Perimeter Leachate Forcemain	82	27-Jan-25	25-Apr-25	
05-00318 Toe	e Drain	118	15-May-25	12-Sep-25	
	e Formation and Groundwater trench completion	0	15-Sep-25	12-Sep-25 25-Dec-25	
Landfill Liner Stage 18	· · · · · · · · · · · · · · · · · · ·	0	15-5ep-25		
	ady for lining works ing Works	60	16-Sep-25	15-Sep-25 24-Nov-25	
05-0232.05 Pro	tective stone laying and Leachate Collection Pipe	27	24-Nov-25	25-Dec-25	
05-0232.06 Lin	ing works completed	0	11-Aug-22	25-Dec-25 25-Dec-25	
Advanced Works	οι α Ε4)	505	11-Aug-22	25-Jan-24	V
	ound Investigation - Additional Borehole	70	11-Aug-22	23-Oct-22	Ground Investigation - Additional Borehole
	bund Investigation - Additional Borehole completion (6 nos)	0	TT-Aug-22	20-Oct-22	<ul> <li>Ground Investigation - Additional Borehole completion (6 nos)</li> </ul>
	ssession of Area O-C	0	26-Jul-23		Possession of
	ial Site Survey / Topographic Survey / Condition Survey ial Site Survey / Topographic Survey / Condition Survey completion	56 0	25-Aug-23	23-Oct-23 24-Oct-23	
	cess Haul Road works	60	24-Sep-23	26-Nov-23	
	e Survey / Tree Removal	90	25-Oct-23	25-Jan-24	
	æ Survey Report	0		28-Nov-23 22-Jan-24	
	e Haul Road completion	0		22-Jan-24 22-Nov-23	
	n and Groundwater Trench	572	23-Jan-24	15-Sep-25	
	e Formation Start	0	23-Jan-24		
	cavation (soil)	160	23-Jan-24	13-Jul-24	
	pe cut with soil nail and sprayed concrete	314 341	13-Jul-24 13-Jul-24	08-Jun-25 06-Jul-25	
05-00290 Dra	ainage surface Run OFF Perimeter Channel	112	15-Mar-24	13-Jul-24	
05-00291 Inst	tall Landfill Gas Pipe on Earth Bund	95	26-Feb-25	07-Jun-25	
	tall Earth bund ainage surface Run OFF Collection House	83 118	10-Mar-25 13-Jul-24	08-Jun-25 11-Nov-24	
05-00294 Val	ley Drain	117	13-Jul-24	10-Nov-24	
05-00295 Inst	tall Intercell Bund	70	06-Jul-25	14-Sep-25	
	ttlement cell installation	198 114	10-Nov-24 10-Nov-24	09-Jun-25 10-Mar-25	
	tall Pump Station and Associated Equipment (Sumphouses)	70	07-Jul-25	10-Mar-25 15-Sep-25	
05-00298 Inst	tall Leachate Force Main	70	07-Jul-25	15-Sep-25	
	e Formation and Groundwater trench completion	0	10.0 05	15-Sep-25	
	&2 (Portion E1, B1 & E4)	100	16-Sep-25	25-Dec-25	
	ady for lining works ing Works	0 86	16-Sep-25	16-Sep-25 25-Dec-25	
	otective stone laying and Leachate Collection Pipe	55	22-Oct-25	25-Dec-25	
05-0217 Lin	ing works completed	0		25-Dec-25	
	Structure & Access Road	756	26-Oct-23	27-Dec-25	
West Wall		756	26-Oct-23	27-Dec-25	
	est Wall Start Construction est Wall - Chainage 0+000 - 0+100	0 298	26-Oct-23 28-Oct-23	04-Sep-24	
	est Wall - Chainage 0+000 - 0+100	190	28-Oct-23 05-Sep-24	04-Sep-24 22-Mar-25	
05-00324 We	est Wall - Chainage 0+200 - 0+270	265	24-Mar-25	25-Dec-25	
	est Wall Completion	0	11 km 01	27-Dec-25	
EAST Wall		540	11-Jun-24	24-Dec-25	
	st Wall Start Construction st Wall - Chainage 0+50 - 0+150	0 193	11-Jun-24 13-Jun-24	28-Dec-24	
	st Wall - Chainage 0+150 - 0+150 st Wall - Chainage 0+150 - 0+300	193	30-Dec-24	28-Dec-24 17-Jul-25	
05-00329 Eas	st Wall - Chainage 0+300 - 0+415	157	18-Jul-25	24-Dec-25	
05-00330 Eas	st Wall Completion	0	10 Are 04	24-Dec-25	
		485	12-Apr-24	09-Aug-25	
ndscape Works	nd Landaranian	4=0	40 4 61		
ndscape Works 05-0242 Ha	rd Landscaping ft Landscaping	150 110	12-Apr-24 04-Oct-24	03-Oct-24 08-Feb-25	
ndscape Works 05-0242 Ha 05-0243 Sof	rd Landscaping ft Landscaping reen Planting	150 110 88	12-Apr-24 04-Oct-24 11-May-25	03-Oct-24 08-Feb-25 09-Aug-25	



Remaining Level of Effort
 Actual Work
 Remaining Work
 Critical Remaining Work
 Milestone

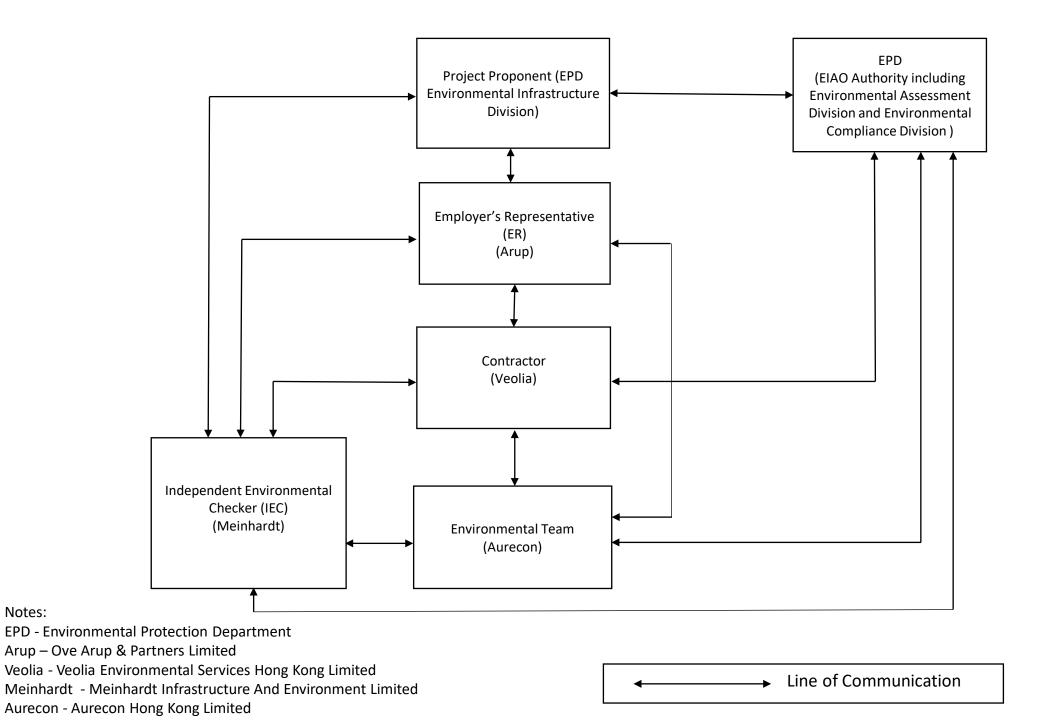
NORTH EAST NEW TERRITORIES (NE

# BASELINE PROGRAMME - E INITIAL WORKS ( Page 4 of 4

V Summary

0001	0005		0000				
Oct         Nov         Dec         Jan         Feb         Mar         Apr         May         Jun         Jul         Aug         Sep         Oct         Nov         Dec         Jan         Feb         Ma           22         23         24         25         26         27         28         29         30         31         32         33         34         35         36         37         38         3	2025           ar         Apr         May         Jun         Jul         Aug         Sep         Oct         Nov           9         40         41         42         43         44         45         46         47	Dec Jan Fel 48 49 50	2026 5 Mar Apr May Jun Jul Aug Sep O 51 52 53 54 55 56 57 5	ct Nov Dec 38 59 60	Jan Feb Mar 61 62 63	2027 Apr May Ju 64 65 6	un JAlug 36 6768
v(ceil)							
n(soil) Channel n OFF Collection House							
Slope cut with soil nail and spra Excavation(rock) Toe Drain and Connection to Existing Drainage	yed concrete						
Valley Drain Valley Drain Install Earth Bund Site Formation and Groundwa	ater trench completion						
Install Landfill Gas Pipe on Earth Bu							
Settlement cell installation Install Leachate Force Main Install Leachate Force Main Install Pump Station and Asso	ciated Equipment (Sumphouses)						
<ul> <li>✓ Handover to VES - Ready for</li> </ul>							
Linin Prot	ng works ective stone laying and Leachate Collection Pip ng works completed	e					
		<b></b>					
n of Area O-D I Site Survey / Topographic Survey / Condition Survey Survey Report							
Tree Removal I Site Survey / Topographic Survey / Condition Survey completion Access Haul Road works							
Tree Removal completion     Site Haul Road completion							
<ul> <li>♦ Site Formation Start</li> <li>■ Excavation (soil)</li> </ul>	V						
Excavation (rock)							
Install L	nent cell installation andfill Gas Pipe on Earth Bund						
	inage surface Run OFF Collection House Valley Drain Install Perimeter Leachate Forcemain						
	Toe Drain ♦ Ste Formation	n and Ground	water trench completion				
	<ul> <li>Ready for lin</li> </ul>	Lining Works					
	•	Protectiv	e stone laying and Leachate Collection Pipe orks completed	9			
~							
) on of Area O-C Initial Site \$urvey / Topographic Survey / Condition Survey							
<ul> <li>Initial Site \$urvey / Topographic Survey / Condition Survey completion</li> <li>Access Haul Road works</li> </ul>							
<ul> <li>♦ Tree Survey / Tree Removal</li> <li>♦ Tree Survey Report</li> <li>♦ Tree Removal</li> </ul>							
<ul> <li>♦ Site Haul Road completion</li> <li>♦ Site Formation Start</li> </ul>	7						
Excavation (soil)	Slope cut with soil nail and spr	ayed concrete					
Drainage surface Run OFF Perimeter Char	Install Landfill Gas Pipe on Ear	h Bund					
Drainage surface Ru	n OFF Collection House						
	Install Interce	ll Bund					
	Install Pump	ate Force Main	sociated Equipment (Sumphouses) water trench completion				
	<ul> <li>Site Pornati</li> <li>Ready for lir</li> </ul>	<b>-</b>					
			orks e stone laying and Leachate Collection Pipe orks completed	э			
V		<b>V</b>					
♦ West Wall Start Construction West Wall - Chainage 0+000 - 0+	100 ■ West Wall - Chainage 0+100 - 0+200						
		₩est Wa ♦ West Wa	ıll - Chainage 0+200 - 0+270 Il Completion				
♦ East Wall Start Construction	Chainage 0+50 - 0+150	_					
	East Wall - Chainage 0	East Wal	I - Chainage 0+300 - 0+415 I Completion				
✓────────────────────────────────────	~	• Lust Wa	Composion				
Soft	Landscaping						
i i				i			
ENTX) LANDFILL EXTENSION	0	Date 3-Jul-22	Revision EXTRACTED - ISSUED 14JAN2	2023	Chec DW	ked App AY	proved
EXTRACTED (REV.3)							
(PHASE 1)	VEULIA						
						I	

# Appendix B Project Organization Chart & Management Structure



# Appendix C Monitoring Schedule for Reporting Month & Next Month

Impact Monitoring Schedule for NENT Landfill Extension	(May 2023) (version	n 2.0)
--------------------------------------------------------	---------------------	--------

			5-2023			
Sun	Mon		Wed	Thur	Fri	Sat
	1	2	3	4	5 Air quality monitoring at AM1, AM2 and AM3 Noise monitoring at NM1a and NM2a Surface water quality monitoring at WM1 and WM2	6
7	8	9	10	<b>11</b> Air quality monitoring at AM1, AM2 and AM3 Noise monitoring at NM1a and NM2a	12	13
14	15	16	<b>17</b> Air quality monitoring at AM1, AM2 and AM3 Noise monitoring at NM1a and NM2a	18	19	20
21	22	23 Air quality monitoring at AM1, AM2 and AM3 Noise monitoring at NM1a and NM2a	24	25	26	27
28	<b>29</b> Air quality monitoring at AM1, AM2 and AM3 Noise monitoring at NM1a and NM2a	30	31	1	2 Air quality monitoring at AM1, AM2 and AM3	3

Remark:

1. 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).

2. Noise monitoring includes 30-minute construction noise monitoring at NM1a and NM2a (Ref.: Table 4.1 of the approved EM&A Manual).

3. 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).

		· · ·	6-2023			
Sun	Mon	Tue	Wed	Thur	Fri	Sat
				1	Air quality monitoring at AM1, AM2 and AM3	3
4	5	6	7	<b>8</b> Air quality monitoring at AM1, AM2 and AM3 Noise monitoring at NM1a and NM2a	9	10
11	12	13	14 Air quality monitoring at AM1, AM2 and AM3 Noise monitoring at NM1a and NM2a Surface water quality monitoring at WM1 and WM2	15	16	17
18	19	20 Air quality monitoring at AM1, AM2 and AM3 Noise monitoring at NM1a and NM2a	21	22	23	24
25	<b>26</b> Air quality monitoring at AM1, AM2 and AM3 Noise monitoring at NM1a and NM2a	27	28	29	<b>30</b> Air quality monitoring at AM1, AM2 and AM3	3

#### Impact Monitoring Schedule for NENT Landfill Extension (June 2023) (version 1.0)

#### 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).

# Appendix D Calibration Certificates

# Air Quality





Verification Test Date:	3-Dec-22	to	4-Dec-22
Next Verification Test Date:	2-Dec-23		
Unit-under-Test- Model No.	Sibata LD-5R		
Unit-under-Test Serial No.	0Z4545		
Our Report Refrence No.	RPT-22-HVS-0026		
Calibration Location:	AM2, Located near	the Lead	hate Treatment Works within the NENT Landfill

Standard Equipment Information							
Verification Equipment Type		Tisch TSP HVS	Tisch HVS Calibrator				
Standard Equipment Model No.		TE-5170X	TE-5025A				
Equipment serial no.	MFC	1106	3465				
Last Calibration Date		1-Dec-22	28-Jun-22				
Next Calibration Date		31-Jan-23	27-Jun-23				

Verification	Date		Time		K-Factor	Counts/ Minute (R)	Total Counts	TSP Sample	Dust Concentration (ug/m3), (C)
Test No.	Date	Start-time	End-time	Elapsed Time (in min)	K-Factor (K=C/R)	x-axis	(TC)	ID No.	y axis
1	3/12/2022	194.73	198.08	201.00	0.00120	51	10251	R222043/1	61
2	3/12/2022	198.08	201.27	191.40	0.00102	34	6444	R222043/2	34
3	3/12/2022	201.27	204.35	184.80	0.00111	44	8193	R222043/3	49
4	4/12/2022	252.37	255.36	179.40	0.00122	55	9927	R222044/1	67
5	4/12/2022	255.38	258.38	180.00	0.00120	52	9360	R222044/2	62
6	4/12/2022	258.38	261.38	180.00	0.00112	63	11340	R222044/3	70
					0.00114				

1.1

By Linear Regression of y on x:

slope, mh=	1.3204
intercept,ch=	-8.3520
*Correlation Coefficient,R=	0.9780

Verification Test Result: Strong Correlation, Results were accepted.

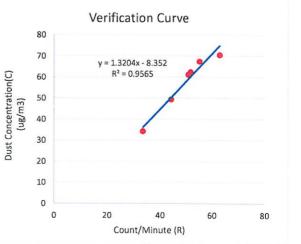
K-Factor to be inputted in LD-5R (corrected 1 decimal point):

* If the Correlation Coefficient, R is <0.5. Checking and Re-verification are required.

Verified By:

Date: 05-12-2022

Technical Mana







Verification Test Date:	3-Dec-22	to	4-Dec-22
Next Verification Test Date:	2-Dec-23		
Unit-under-Test- Model No .:	Sibata LD-5R		
Unit-under-Test Serial No .:	882106		
Our Report Refrence No .:	RPT-22-HVS-0027		
Calibration Location:	AM2, Located near	the Leac	hate Treatment Works

Standard Equipment Information						
Verification Equipment Type		Tisch TSP HVS	Tisch HVS Calibrator			
Standard Equipment Model No.		TE-5170X	TE-5025A			
Equipment serial no.	MFC	1106	3465			
Last Calibration Date		1-Dec-22	28-Jun-22			
Next Calibration Date		31-Jan-23	27-Jun-23			

Verification	Date		Time			Counts/ Minute (R)	Total Counts		CONTRACTOR OF CONTRACTOR	CONTRACTOR OF	TSP Sample	Dust Concentration (ug/m3), (C)
Test No.		Start-time	End-time	Elapsed Time (in min)	K-Factor (K=C/R)	x-axis	(TC)	ID No.	y axis			
1	3/12/2022	194.73	198.08	201.00	0.00123	50	9983	R222043/1	61			
2	3/12/2022	198.08	201.27	191.40	0.00092	37	7146	R222043/2	34			
3	3/12/2022	201.27	204.35	184.80	0.00103	48	8870	R222043/3	49			
4	4/12/2022	252.37	255.36	179.40	0.00108	62	11183	R222044/1	67			
5	4/12/2022	255.38	258.38	180.00	0.00110	57	10260	R222044/2	62			
6	4/12/2022	258.38	261.38	180.00	0.00108	65	11760	R222044/3	70			
					0.00107							

1.1

within the NENT Landfill

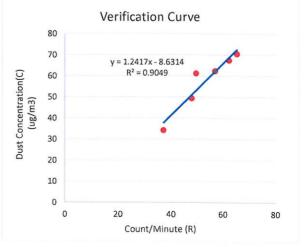
K-Factor to be inputted in LD-5R (corrected 1 decimal point):

By Linear Regression of y on x:

slope, mh=	1.2417
intercept,ch=	-8.6314
*Correlation Coefficient,R=	0.9513

Verification Test Result: Strong Correlation, Results were accepted.

 $\ast$  If the Correlation Coefficient, R is <0.5. Checking and Re-verification are required.



Verified By:

Date: 05-12-2022

Technical Manager





Verification Test Date:	3-Dec-22	to	4-Dec-22
Next Verification Test Date:	2-Dec-23		
Unit-under-Test- Model No.	Sibata LD-5R		
Unit-under-Test Serial No.	882110		
Our Report Refrence No.	RPT-22-HVS-0025		
Calibration Location:	AM2, Located near	the Leac	hate Treatment Works within the NENT Landfill

Standard Equipment Information						
Verification Equipment Type		Tisch TSP HVS	Tisch HVS Calibrator			
Standard Equipment Model No.		TE-5170X	TE-5025A			
Equipment serial no.	MFC	1106	3465			
Last Calibration Date		1-Dec-22	28-Jun-22			
Next Calibration Date		31-Jan-23	27-Jun-23			

Verification	Date	Time		Time		Counts/ Minute (R)	Total Counts	TSP Sample	Dust Concentration (ug/m3), (C)
Test No.		Start-time	End-time	Elapsed Time (in min)	K-Factor (K=C/R)	x-axis	(TC)	ID No.	y axis
1	3/12/2022	194.73	198.08	201.00	0.00101	61	12194	R222043/1	61
2	3/12/2022	198.08	201.27	191.40	0.00089	38	7337	R222043/2	34
3	3/12/2022	201.27	204.35	184.80	0.00108	46	8439	R222043/3	49
4	4/12/2022	252.37	255.36	179.40	0.00110	61	11003	R222044/1	67
5	4/12/2022	255.38	258.38	180.00	0.00112	56	10080	R222044/2	62
6	4/12/2022	258.38	261.38	180.00	0.00104	68	12180	R222044/3	70
					0.00104				

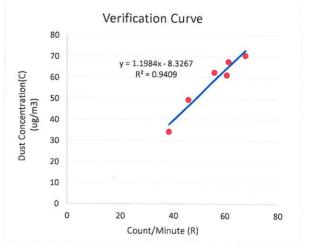
K-Factor to be inputted in LD-5R (corrected 1 decimal point): 1.0

By Linear Regression of y on x:

slope, mh=	1.1984
intercept,ch=	-8.3267
*Correlation Coefficient,R=	0.9700

Verification Test Result: Strong Correlation, Results were accepted.

* If the Correlation Coefficient, R is <0.5. Checking and Re-verification are required.



Verified By:

Date: 05-12-2022

Technical Manager





Verification Test Date:	3-Dec-22	to	4-Dec-22
Next Verification Test Date:	2-Dec-23		
Unit-under-Test- Model No.	Sibata LD-5R		
Unit-under-Test Serial No.	942532		
Our Report Refrence No.	RPT-22-HVS-0024		
Calibration Location:	AM2, Located near	the Lead	chate Treatment Works within the NENT Landfill

Standard Equipment Information							
Verification Equipment Type		Tisch TSP HVS	Tisch HVS Calibrator				
Standard Equipment Model No.		TE-5170X	TE-5025A				
Equipment serial no.	MFC	1106	3465				
Last Calibration Date		1-Dec-22	28-Jun-22				
Next Calibration Date		31-Jan-23	27-Jun-23				

Verification	Date		Time		K-Factor	Counts/ Minute (R)	Total Counts	Counts TSP Sample (up		Dust Concentration (ug/m3), (C)
Test No.		Start-time	End-time	Elapsed Time (in min)	K-Factor (K=C/R)	x-axis	(TC)	ID No.	y axis	
1	3/12/2022	194.73	198.08	201.00	0.00111	55	11122	R222043/1	61	
2	3/12/2022	198.08	201.27	191.40	0.00093	37	7082	R222043/2	34	
3	3/12/2022	201.27	204.35	184.80	0.00110	45	8316	R222043/3	49	
4	4/12/2022	252.37	255.36	179.40	0.00113	60	10704	R222044/1	67	
5	4/12/2022	255.38	258.38	180.00	0.00120	52	9360	R222044/2	62	
6	4/12/2022	258.38	261.38	180.00	0.00104	68	12180	R222044/3	70	
					0.00108					

1.1

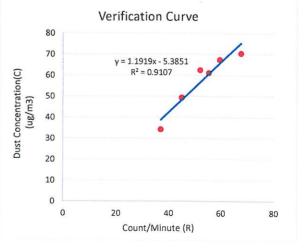
K-Factor to be inputted in LD-5R (corrected 1 decimal point):

By Linear Regression of y on x:

slope, mh=	1.1919
intercept,ch=	-5.3851
*Correlation Coefficient,R=	0.9543

Verification Test Result: Strong Correlation, Results were accepted.

 $\ast$  If the Correlation Coefficient, R is <0.5. Checking and Re-verification are required.



Verified By: Technical Manager

Date: 05-12-2022





		Site	Information		
Location:	NENTX	Site ID:	AM1	Date:	07-Mar-2023
Serial No:	1105	Model:	TE-5170X	Operator:	Andy Li
		Ambi	ient Conditior	1	
Actual Pressure (mm Hg):	during Calibration (P _a )	759.0	Actual Tempo Calibration (1	erature during (deg K):	296.4
		Calib	oration Orifice	1	
Model:		TE	-5025A	Slope (m _c ):	2.05924
Serial No.:			3465	Intercept (b _c ):	-0.01929
Calibration Due I	Date:	28	-Jun-23	Corr. Coeff:	0.99998
		The second se	bration Data	-	
Plate or	ΔH ₂ O	Qa	, X-Axis	I, CFM	IC, Y-Axis
Test#	(in)	(m	ո ³ /min)	(chart)	(corrected)
18	11.30	1	1.645	55.0	55.11
13	9.20	1	1.485	50.0	50.10
10	6.90	1	1.288	44.0	44.09
7	4.50	1	1.042	37.0	37.08
-			NY Parent	the second se	and the second se

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

2.80

m= 30.2340

b= 5.2945

Calculations

0.824

Corr. Coeff= 0.9998

30.06

 $\begin{aligned} &\mathsf{Qa} = 1/m_c * [\mathsf{Sqrt} \left( \Delta \mathsf{H}_2 \mathsf{O}^* (\mathsf{P}_a/\mathsf{P}_{\mathsf{Std}})^* (\mathsf{T}_{\mathsf{Std}}/\mathsf{T}_a) \right) - \mathsf{b}_c ] \\ &\mathsf{IC} = \mathsf{I}^* (\mathsf{Sqrt} \left( \mathsf{P}_a/\mathsf{P}_{\mathsf{Std}} \right)^* (\mathsf{T}_{\mathsf{Std}}/\mathsf{T}_a)) \end{aligned}$ 

Qa = actual flow rate

IC = corrected chart response I = actual chart response

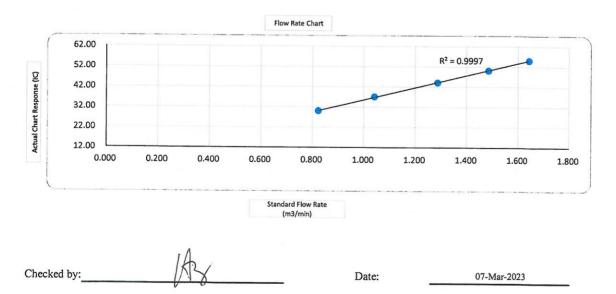
m_c = calibrator slope

b_c = calibrator intercept

$$\label{eq:masses} \begin{split} m &= sampler \ slope \\ b &= sampler \ intercept \\ T_{Std} &= 298 \ deg \ K \\ P_{Std} &= 760 \ mm \ Hg \\ T_a &= actual \ temperature \ during \ calibration \ (deg \ K) \end{split}$$

P_a = actual pressure during calibration (mm Hg)

30.0







Site Information					
Location:	NENTX	Site ID:	AM1	Date:	06-May-2023
Serial No:	1105	Model:	TE-5170X	Operator:	Andy Li

#### Ambient Condition

1

Actual Pressure during Calibration (P _a ) (mm Hg):	760.8	Actual Temperature during Calibration (T _a ) (deg K):	297.2
• • • • • • • • • • • • • • • • • • •	Calib	pration Orifice	

Model:	TE-5025A	Slope (m _c ):	2.05924	
Serial No.:	3465	Intercept (b _c ):	-0.01929	
Calibration Due Date:	28-Jun-23	Corr. Coeff:	0.99998	

Calibration Data					
Plate or	∆H₂O	Qa, X-Axis	I, CFM	IC, Y-Axis	
Test #	(in)	(m³/min)	(chart)	(corrected)	
18	9.60	1.517	54.0	54.10	
13	7.80	1.368	50.0	50.09	
10	5.90	1.191	45.0	45.08	
7	3.70	0.945	39.0	39.07	
5	2.50	0.779	36.0	36.07	

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

m= 24.7528

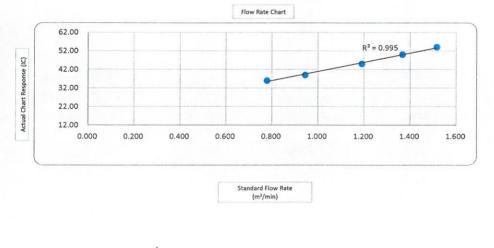
b= 16.1708

Corr. Coeff= 0.9975

Calculations

$$\begin{split} &Qa = 1/m_c^*[Sqrt\left(\Delta H_2O^*(P_a/P_{std})^*(T_{std}/T_a)\right) - b_c] \\ &IC = I^*(Sqrt\left(P_a/P_{std}\right)^*(T_{std}/T_a)) \end{split}$$

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  $T_{Std} = 298 \text{ deg K}$   $P_{Std} = 760 \text{ mm Hg}$   $T_a = actual temperature during calibration (deg K)$  $<math>P_a = actual pressure during calibration (mm Hg)$ 





Date: 06-May-2023





		Site	e Information		
Location:	NENTX	Site ID:	AM2	Date:	07-Mar-2023
Serial No:	1106	Model:	TE-5170X	Operator:	Andy Li
		Amb	ient Conditior	1	
Actual Pressure	during Calibration (P _a )	759.0 Actual Temperature during Calibration (T _a ) (deg K):			
		759.0			296.4
(mm Hg):				a) (deg K):	296.4
		Calil	Calibration (T	a) (deg K):	296.4
(mm Hg):		Calil	Calibration (T	a) (deg K):	

Plate or	∆H₂O	Qa, X-Axis	I, CFM	IC, Y-Axis
Test #	(in)	(m³/min)	(chart)	(corrected)
18	12.10	1.702	62.0	62.13
13	9.40	1.501	57.0	57.12
10	7.20	1.315	50.0	50.10
7	4.50	1.042	42.0	42.09
5	2.90	0.838	36.0	36.07

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

m= 30.6717

b= 10.2530

Calculations

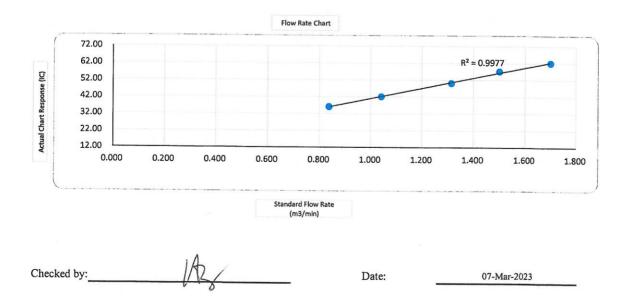
Corr. Coeff= 0.9989

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

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

 $b_c$  = calibrator intercept

 $\label{eq:main_state} \begin{array}{l} m = sampler \ slope \\ b = sampler \ intercept \\ T_{Std} = 298 \ deg \ K \\ P_{Std} = 760 \ mm \ Hg \\ T_a = actual \ temperature \ during \ calibration \ (deg \ K) \\ P_a = actual \ pressure \ during \ calibration \ (mm \ Hg) \end{array}$ 







Site Information					
Location:	NENTX	Site ID:	AM2	Date:	06-May-2023
Serial No:	1106	Model:	TE-5170X	Operator:	Andy Li

#### **Ambient Condition**

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Actual Pressure during Calibration (P _a ) (mm Hg):	760.8	Actual Temperature during Calibration (T _a ) (deg K):	297.2
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Calibration Orifice				
Model:	TE-5025A	Slope (m _c ):	2.05924	
Serial No.:	3465	Intercept (b ₂ ):	-0.01929	
Calibration Due Date:	28-Jun-23	Corr. Coeff:	0.99998	

**Calibration Data** 

Plate or	∆H₂O Qa, X-Axis		I, CFM	IC, Y-Axis	
Test #	(in)	(m ³ /min)	(chart)	(corrected)	
18	11.00	1.623	57.0	57.11	
13	8.90	1.461	52.0	52.10	
10	6.90	1.287	46.0	46.09	
7	4.40	1.030	39.0	39.07	
5	2.60	0.794	33.0	33.06	

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

m= 29.1007

b= 9.4295

Corr. Coeff= 0.9983

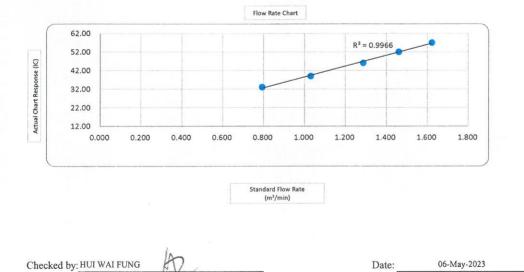
Calculations

 $\begin{aligned} &Qa = 1/m_c*[Sqrt~(\Delta H_2O*(P_a/P_{std})*(T_{std}/T_a))-b_c] \\ &IC = I*(Sqrt~(P_a/P_{std})*(T_{std}/T_a)) \end{aligned}$ 

Laboratory Manager

 $\begin{array}{l} Qa = actual flow rate \\ IC = corrected chart response \\ I = actual chart response \\ m_c = calibrator slope \\ b_c = calibrator intercept \end{array}$ 

 $\label{eq:states} \begin{array}{l} m = sampler \mbox{ slope} \\ b = sampler \mbox{ intercept} \\ T_{Std} = 298 \mbox{ deg K} \\ P_{Std} = 760 \mbox{ mMg} \\ T_a = actual \mbox{ temperature during calibration (deg K)} \\ P_a = actual \mbox{ pressure during calibration (mm Hg)} \end{array}$ 







Site Information					
Location:	NENTX	Site ID:	AM3	Date:	07-Mar-2023
Serial No:	1856	Model:	TE-5170X	Operator:	Andy Li

#### **Ambient Condition**

Actual Pressure during Calibration (P _a ) (mm Hg): 75	9.0	Actual Temperature during Calibration (T _e ) (deg K):	296.4
---------------------------------------------------------------------	-----	---------------------------------------------------------------------	-------

#### **Calibration Orifice**

Model:	TE-5025A	Slope (m _c ):	2.05924
Serial No.:	3465	Intercept (b _c ):	-0.01929
Calibration Due Date:	28-Jun-23	Corr. Coeff:	0.99998

#### **Calibration Data** Plate or $\Delta H_2O$ Qa, X-Axis I, CFM IC, Y-Axis Test # (in) (m³/min) (chart) (corrected) 18 12.70 1.743 58.0 58.12 13 10.00 1.548 52.0 52.11 10 7.80 1.368 45.0 45.09 7 4.90 1.087 37.0 37.08 5 3.10 0.866 29.0 29.06

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

m= 32.9317

b= 0.7369

Calculations

Corr. Coeff= 0.9991

 $\begin{aligned} &Qa = 1/m_c * [Sqrt (\Delta H_2 O * (P_a/P_{Std}) * (T_{Std}/T_a)) - b_c] \\ &IC = I * (Sqrt (P_a/P_{Std}) * (T_{Std}/T_a)) \end{aligned}$ 

Qa = actual flow rate

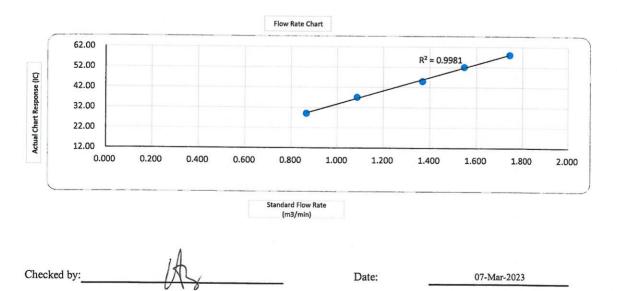
IC = corrected chart response I = actual chart response

m_c = calibrator slope

 $b_c = calibrator intercept$ 

$$\label{eq:main_state} \begin{split} m &= sampler \ slope \\ b &= sampler \ intercept \\ T_{Std} &= 298 \ deg \ K \\ P_{Std} &= 760 \ mm \ Hg \\ T_a &= actual \ temperature \ during \ calibration \ (deg \ K) \end{split}$$

P_a = actual pressure during calibration (mm Hg)







Site Information							
Location: NENTX Site ID: AM3 Date: 06-May-2023							
Serial No:	1856	Model:	TE-5170X	Operator:	Andy Li		

#### Ambient Condition

ł

Actual Pressure during Calibration (P _a ) (mm Hg):	760.8	Actual Temperature during Calibration (T _a ) (deg K):	297.2	
	Calil	pration Orifice		

Model:	TE-5025A	Slope (m _c ):	2.05924	
Serial No.:	3465	Intercept (b_):	-0.01929	
Calibration Due Date:	28-Jun-23	Corr. Coeff:	0.99998	

Calibration Data							
Plate or	∆H₂O	Qa, X-Axis	I, CFM	IC, Y-Axis			
Test #	(in)	(m³/min)	(chart)	(corrected)			
18	10.60	1.593	62.0	62.12			
13	8.20	1.403	57.0	57.11			
10	6.20	1.221	52.0	52.10			
7	4.20	1.006	45.0	45.08			
5	2.30	0.747	40.0	40.07			

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

m= 26.7568

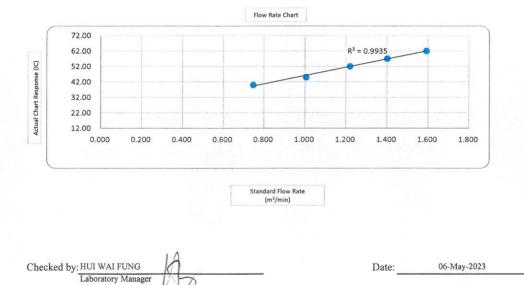
b= 19.3460

Corr. Coeff= 0.9968

Calculations

 $\begin{aligned} &Qa = 1/m_c^*[Sqrt(\Delta H_2O^*(P_a/P_{Std})^*(T_{Std}/T_a))-b_c] \\ &IC = I^*(Sqrt(P_a/P_{Std})^*(T_{Std}/T_a)) \end{aligned}$ 

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)





RECALIBRATION DUE DATE:

June 28, 2023

	6e	rtife	cate	of.	Gal	ibri	rtion	
			Calibration	Certificati	on Informat	ion		
Cal. Date:	June 28, 20	022	Roots	meter S/N:	438320	Ta:	296	°K
Operator:	Jim Tisch					Pa:	755.1	mm Hg
Calibration	Model #:	TE-5025A	Calil	prator S/N:	3465			
	[	Vol. Init	Vol. Final	ΔVol.	ΔTime	4.0		1
	Run	(m3)	(m3)	(m3)		ΔP (mm Ha)		
	1	1	2	(115)	(min) 1.4290	(mm Hg) 3.2	(in H2O)	
	2	3	4	1	1.0130	6.4	2.00	
	3	5	6	1	0.9050	7.9	5.00	
	4	7	8	1	0.8590	8.8	5.50	
	5	9	10	1	0.7110	12.8	8.00	
				) ata Tabula		12.0	0.00	
		[						
	Vstd	Qstd	√∆H( <u>Pa</u> Pstd	)( <u>Tstd</u> ) Ta)		Qa	$\sqrt{\Delta H(Ta/Pa)}$	
	(m3)	(x-axis)	(y-axis)		Va	(x-axis)	(y-axis)	
	0.9961	0.6970	1.4144		0.9958	0.6968	0.8854	
	0.9918	0.9791	2.0003		0.9915	0.9788	1.2522	
	0.9899	1.0938	2.2364		0.9895	1.0934	1.4000	
	0.9887	1.1509	2.345		0.9883	1.1506	1.4683	
	0.9834	1.3831	2.828		0.9830	1.3826	1.7708	
	OCTD	m=	2.059				1.28946	
	QSTD	b=	-0.019		QA	b=	-0.01207	
		r=	0.999	98		r=	0.99998	
				Calculation	าร			
	Vstd=	$\Delta Vol((Pa-\Delta P))$	/Pstd)(Tstd/Ta	)	Va=	ΔVol((Pa-ΔF	P)/Pa)	
	Qstd=	Vstd/∆Time			Qa=	Va/∆Time		
			For subseque	ent flow rat	te calculation	is:		
	Qstd=	1/m (( √∆H(-	Pa <u>Tstd</u> Pstd Ta	)-b)	Qa=	1/m (( √ΔH	(Ta/Pa))-b)	
	Standard	Conditions						
Tstd:	298.15			Г		RECAL	IBRATION	
Pstd:		mm Hg		1				
		ey	1120)				nual recalibratio	
and a second		er reading (ir eter reading (					egulations Part 5	
		perature (°K)					Reference Meth	
		essure (mm l	-lg)				ended Particulate	
: intercept	and pr		.0)		the	Atmosphe	re, 9.2.17, page 3	0
n: slope				L				

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

# <u>Noise</u>

# Certificate of Calibration

### for

Description:	Sound Level Meter
Manufacturer:	NTi Audio
Type No.:	XL2 (Serial No.: A2A-13661-E0)
Microphone:	ACO 7052 (Serial No.:68914)
Preamplifier:	NTi Audio MA220 (M2211) (Serial No.:6282)

### Submitted by:

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

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: 20 August 2022

Date of calibration: 22 August 2022

Date of NEXT calibration: 21 August 2023

Calibrated by:

Calibration Technician

Date of issue: 22 August 2022

Certificate No.: APJ22-071-CC001

Certified by:

Mr. Ng Yan Wa Laboratory Manager



Page 1 of 4

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

# (A+A)*L Acoustics and Air Testing Laboratory Co. Ltd. 聲學及空氣測試實驗室有限公司

## 1. Calibration Precaution:

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

### 2. Calibration Conditions:

Air Temperature:	23.4 °C
Air Pressure:	1005 hPa
<b>Relative Humidity:</b>	68.5 %

### 3. Calibration Equipment:

	Туре	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)			Appl	ied value	UUT Reading,	IEC 61672 Class 1	
Range, dB	Freq. W	eighting	Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB
30-130	dBA	SPL	Fast	94	1000	93.8	±0.4

Linearity

Setting of Unit-under-test (UUT)			Арр	lied value	UUT Reading,	IEC 61672 Class 1	
Range, dB	Freq. W	eighting	Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB
				94		93.8	Ref
30-130	dBA	SPL	Fast	104	1000	103.8	±0.3
			114		114.0	±0.3	

Time Weighting

Setting of Unit-under-test (UUT)		Applied value		UUT Reading,	IEC 61672 Class 1		
Range, dB	Freq. V	Weighting	Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB
30-130	dBA	SPL	Fast	94	1000	93.8	Ref
50-150	uDA	SFL	Slow	94	1000	93.8	±0.3

Certificate No.: APJ22-071-CC001



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### Frequency Response

### Linear Response

Setting of Unit-under-test (UUT)			Applied value		UUT Reading,	IEC 61672 Class 1	
Range, dB	Freq. W	Veighting	Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB
					31.5	93.9	±2.0
					63	94.0	±1.5
~					125	93.9	±1.5
				2	250	93.8	±1.4
30-130	dB	SPL	Fast	94	500	93.8	±1.4
					1000	93.8	Ref
					2000	93.4	±1.6
					4000	93.0	±1.6
					8000	92.2	+2.1:-3.1

A-weighting

Setting of Unit-under-test (UUT)		Applied value		UUT Reading,	IEC 61672 Class 1		
Range, dB	Freq. W	eighting	Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB
					31.5	54.6	-39.4 ±2.0
					63	67.7	$-26.2 \pm 1.5$
					125	77.8	-16.1±1.5
					250	85.2	-8.6±1.4
30-130	dBA	SPL	Fast	94	500	90.6	$-3.2 \pm 1.4$
					1000	93.8	Ref
					2000	94.6	$+1.2 \pm 1.6$
					4000	94.0	$+1.0 \pm 1.6$
					8000	91.2	-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. W	eighting	Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB
					31.5	90.9	-3.0±2.0
					63	93.1	$-0.8 \pm 1.5$
					125	93.7	-0.2±1.5
					250	93.8	$-0.0 \pm 1.4$
30-130	dBC	SPL	Fast	94	500	93.8	$-0.0 \pm 1.4$
					1000	93.8	Ref
					2000	93.3	-0.2±1.6
					4000	92.2	-0.8±1.6
					8000	89.3	-3.0+2.1; -3.1



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Certificate No.: APJ22-071-CC001

# (A+A)*L Acoustics and Air Testing Laboratory Co. Ltd. 聲學及空氣測試實驗室有限公司

## 5. Calibration Results Applied

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

Uncertainties of Applied Value:

94 dB	31.5 Hz	± 0.10
	63 Hz	± 0.10
	125 Hz	± 0.05
	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.



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Certificate No.: APJ22-071-CC001

Certificate No. D224349E



# CALIBRATION CERTIFICATE

Product	:	SOUND CALIBRATOR
Туре	:	NC-75
Serial number	:	34724243
Manufacturer	:	RION CO., LTD.
Calibration quantities	:	Sound pressure level (with reference standard microphone)
Calibration method	:	Measured by specified secondary standard microphone
		according to JCSS calibration procedure specified by RION.
Ambient conditions	:	Temperature 23.9 °C, Relative humidity 49 %,
		Static pressure 99.9 kPa
Calibration date	:	05/07/2022 (DD/MM/YYYY)
Calibration location	:	3-20-41 Higashimotomachi, Kokubunji, Tokyo 185-8533, Japan
		RION CO., LTD. Calibration Room

We hereby certify that the results of this calibration were as follows.

Issue date : 11/07/2022 (DD/MM/YYYY)

Junichi Kawamura Manager Quality Assurance Section, Quality Assurance Department, Environmental Instrument Division, RION CO., LTD. 3-20-41 Higashimotomachi, Kokubunji, Tokyo 185-8533, Japan

This certificate is based on article 144 of the Measurement Law and indicates the result of calibration in accordance with measurement standards traceable to Primary Measurement Standards (National Standards) which realizes the physical units of measurement according to the International System of Units (SI).

The accreditation symbol is attestation of which the result of calibration is traceable to Primary Measurement Standards (National Standards).

The certificate shall not be reproduced except in full, without the written approval of the issuing laboratory.

The calibration laboratory who issued this calibration certificate conforms to ISO/IEC 17025:2017.

This calibration certificate was issued by the calibration laboratory accredited by IAJapan who is a signatory to the Mutual Recognition Arrangement (MRA) of International Laboratory Accreditation Cooperation (ILAC) and Asia Pacific Accreditation Cooperation (APAC). This (These) calibration result(s) may be accepted internationally through ILAC/APAC MRA.



Certificate No. D224349E

## CALIBRATION RESULT

1. Sound pressure level (with reference standard microphone)

Measured	Expanded
value	uncertainty *1
93.99 dB	0.09 dB

*1 Defines an interval estimated to have a level of confidence of approximately 95 %. Coverage factor *k*=2

Calibration result is the calibration value in ambient conditions during calibration.

## BE OUT OF JCSS CALIBRATION

1. Frequency

	Measurement	
Measured value	uncertainty (k=2)	
1000.0 Hz	$3.9  imes 10^{\cdot 4} \mathrm{Hz}$	

Working measurement standard universal counter: Type : 53132A Serial number : MY40005574 (JCSS Calibration Certificate No. 21081499079575510)

#### 2. Total distortion

Measured	
value	
0.2 %	

Working measurement standard distortion meter: Type : VA-2230A Serial number : 11076061 (A2LA Calibration Certificate No. 1501-03080)

· closing ·





# **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 Ho	ng Street, Cheung Sha Wan, Kowloon, H.K.
Order No.: Q30320	Date of receipt : 2-Feb-23
Item Tested	
<b>Description</b> : Hot Wire Anemometer	
Manufacturer : RS PRO	I.D. : ASCL-EQ-111
Model : RS-90	Serial No. : 210722208
Test Conditions	1
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

The copyright of this certificate is owned by Hong Kong Calibration Ltd.. It may not be reproduced except in full.



# **Calibration Certificate**

Certificate No. 300737

Page 2 of 2 Pages

Results :

#### 1. Velocity

Applied Value (m/s)	UUT Reading (m/s)	Mfr's Spec.
0.00	0.00	
2.50	2.43	
5.00	5.04	
10.00	10.07	$\pm$ (3 % of reading + 0.3 m/s)
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 :  $\pm$  (0.9 % + 0.16 m/s) for Velocity,  $\pm$  0.1 °C for Temperature, for a confidence probability of not less than 95 %.
- 3. Atmospheric Pressure: 1 002 hPa

----- END -----

# Water Quality



## **REPORT OF EQUIPMENT PERFORMANCE CHECK/ CALIBRATION**

 Test Report No.
 : R-BC040109

 Date of Issue
 : 25 April 2023

 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 (a xylem brand)
Serial Number :	S/N: 22C106561
Date of Received :	18 April 2023
Date of Calibration :	25 April 2023
Date of Next Calibration :	24 July 2023
Request No. :	D-BC040109

#### PART C - REFERENCE METHODS/ DOCUMENTS FOR THE CALIBRATION

<u>Test Parameter</u>	Reference Method
pH value	APHA 21e 4500 H ⁺
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 21e 4500 O
Turbidity	APHA 21e 2130 B

#### **PART D - CALIBRATION RESULT**

#### (1) pH value

Target ( pH unit )	Display Reading ( pH unit )	Tolerance	Result
4.00	4.10	0.10	Satisfactory
7.42	7.50	0.08	Satisfactory
10.01	10.01	0.00	Satisfactory

Tolerance of pH value should be less than  $\pm$  0.2 ( pH unit )

#### (2) Temperature

Reading of Ref. thermometer ( °C )	Display Reading ( °C )	Tolerance	Result
10	10.5	0.5	Satisfactory
23	23.1	0.1	Satisfactory
35	34.4	-0.1	Satisfactory

Tolerance of Temperature should be less than  $\pm$  2.0 (  $^{\circ}C$  )

#### (3) Salinity

Expected Reading ( g/L )	Display Reading ( g/L )	Tolerance ( % )	Result
10	9.81	-1.90	Satisfactory
20	20.47	2.35	Satisfactory
30	31.31	4.37	Satisfactory

Tolerance of Salinity should be less than  $\pm$  10.0 ( % )

--- CONTINUED ON NEXT PAGE ---

AUTHORIZED SIGNATORY:

LEE Chun-ning

Assistant Manager (Chemical Testing)

This report shall not be reproduced unless with prior written approval from this laboratory



## **REPORT OF EQUIPMENT PERFORMANCE CHECK/ CALIBRATION**

Test Report No.	:R-BC040109
Date of Issue	: 25 April 2023
Page No.	: 2 of 2

#### (4) Dissolved oxygen

Expected Reading ( mg/L )	Display Reading ( mg/L )	Tolerance	Result
8.07	8.08	0.01	Satisfactory
5.10	4.80	-0.30	Satisfactory
2.06	2.17	0.11	Satisfactory
0.24	0.37	0.13	Satisfactory

Tolerance of Dissolved oxygen should be less than  $\pm 0.5$  ( mg/L )

#### (5) Turbidity

Expected Reading (NTU)	Display Reading ( NTU )	Tolerance ( % )	Result
0	0.74		Satisfactory
10	9.60	-4.00	Satisfactory
20	18.94	-5.30	Satisfactory
100	95.17	-4.80	Satisfactory
800	752.06	-6.00	Satisfactory

Tolerance of Turbidity should be less than  $\pm 10.0$  (%)

#### 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 ----



# **Calibration Certificate**

. .

Certificate No	. 210252	3	Page	e 1 of 2 Pages
Customer :	Acuity Sustainability Con	sulting Limited		
Address :	Unit E, 12/F, Ford Glory I	Plaza, No. 37-39 Wing H	ong Street, Cheur	ng Sha Wan, Kowloon, H.K.
Order No. :			Date of receip	
Item Tested	ł			
Description	: Flow Probe			
Manufacturer	: Global Water		I.D.	:
Model	: FP111		Serial No.	: 22K100859
Test Condit	tions			
Date of Test :	7-Nov-22		Supply Voltag	je :
Ambient Tem	perature : 23°C		Relative Humi	• A
				<b>Tarty</b> . 7070
Test Specif	ications			
Calibration che	ck.			
Ref. Document	/Procedure : V12			
	S			
Test Result				
	within the manufacturer's	specification		
All results were	within the manufacturer's s shown in the attached pag			
All results were	within the manufacturer's s shown in the attached pag			
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# **Calibration Certificate**

Certificate No. 210252

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Results :

Applied Value (m/s)	UUT Reading (m/s)	Mfr's Spec.
0.96	1.0	± 0.1 m/s

Remarks : 1. UUT : Unit-Under-Test

2. Uncertainty :  $\pm 1$  %, for a confidence probability of not less than 95%.

----- END -----

# Landfill Gas

## PROMAT (HK) LTD

寶時(香港)有限公司

901 New Trend Centre, 704 Prince Edward Road East, San Po Kong, Kowloon, Hong Kong Tel: (852)2661-2392 Fax: (852)2661-2086 Email:info@promat.hk-http://www.promat.hk



Your Solution To Testing Instrumen

# **Calibration** Certificate

PASS

Customer Name	Paul Y Construction Co. Ltd
Model	PS200
Serial	373075
Tested On	16 November, 2022
Cal Expires	16 November, 2023
Audible Alarm	PASS
Visual Alarm	PASS
Calibrated For	METHANE
100% LEL Equivalent	4.4% by VOL

**Overall Results** 

### **Calibration Result**

Gas Applied	Range	Reading	Calibrated	Result
Zero Air	% LEL	0	0	PASS
Zero Air	% O2	20.9	20.9	PASS
Zero Air	PPM CO	0	0	PASS
Zero Air	PPM H2S	0	0	PASS

Gas Applied	Range	Reading	Calibrated	Result
50% LEL Methane	% LEL	61	50	PASS
18% VOL Oxygen	% O2	17.8	N/A	PASS
100 PPM Carbon Monoxide	РРМ СО	71	100	PASS
25 PPM Hydrogen Sulphide	PPM H2S	22	25	PASS

Lono

Calibrated By Ivan Lo :

## CERTIFICATION OF CALIBRATION





Certificate Number: G508566_2/31066

Date Of Calibration: 17-Aug-2022

Issued by: QED Environmental Systems Ltd.

Customer:	Onuee Electronics Ltd								
	C3-E TCL Science Park No.1001 Zhong Shan Yuan Rd. Nanshan Shenzhen 518052 CHINA								
Description:	Gas Analyser								
Model:	GEM5000								
Serial Number:	G508566								

#### UKAS Accredited results:

	Methane (CH ₄ )											
Certified Gas (%) Instrument Reading (%) Uncertainty (%)												
5.0	4.9	0.072										
15.0	14.9	0.13										
60.0	59.6	0.42										

	Carbon Dioxide (CO ₂ )											
Certified Gas (%)	Uncertainty (%)											
5.0	5.0	0.074										
15.0	14.9	0.13										
40.0	40.0	0.29										

Oxygen (O ₂ )										
Certified Gas (%)	Instrument Reading (%)	Uncertainty (%)								
21.2	21.3	0.25								

All concentrations are molar.

$CH_4,CO_2$ readings recorded at :	33.0 °C ± 2.5 °C
O2 readings recorded at :	22.7 °C ± 2.5 °C
Barometric Pressure :	1002 mbar ± 4 mbar

Method of Test : The analyser is calibrated in a temperature controlled chamber using a series of reference gases, in compliance with procedure LP004.

Instrument has passed calibration as the measurement result is within the specification limit. The specification limit takes into account the measurement uncertainty.

The results relate only to the item calibrated

This certificate is issued in accordance with the laboratory accreditation requirements of the United Kingdom Accreditation Service. It provides traceability of measurement to the SI system of units and/or to units of measurement realised at the National Physical Laboratory or other recognised national metrology institutes. This certificate may not be reproduced other than in full, except with the prior written approval of the issuing laboratory.

Calibration Instance: 114 IGC Instance: N/A

Page 1 of 2 | LP015GIUKAS-2.5

www.qedenv.com +44 (0) 333 800 0088 sales@qedenv.co.uk

QED Environmental Systems Ltd. Cyan Park - Unit 3, Jimmy Hill Way, Coventry, CV2 4QP, UNITED KINGDOM

## CERTIFICATION OF CALIBRATION





Certificate Number: G508566_2/31066

Date Of Calibration: 17-Aug-2022

Issued by: QED Environmental Systems Ltd.

The reported expanded uncertainty is based on a standard uncertainty multiplied by a coverage factor of k=2, providing a level of confidence of approximately 95%. The uncertainty evaluation has been carried out in accordance with UKAS requirements.

Calibrations marked 'Non-UKAS Accredited results' on this certificate have been included for completeness. **Non-UKAS accredited results after adjustment:** 

	Barometer (mbar)						
Reference		Instrument Reading					
1002	-0	1002					
	Additional Gas Cells						
Gas	Certified Gas (ppm)	Instrument Reading (ppm)					

52.6

Data of		10	- 2022
Date of	ssue :	10-HU	R-7077

H₂S

Approved by Signatory

Keeley Knight Laboratory Inspection

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End of Certificate

This certificate is issued in accordance with the laboratory accreditation requirements of the United Kingdom Accreditation Service. It provides traceability of measurement to the SI system of units and/or to units of measurement realised at the National Physical Laboratory or other recognised national metrology institutes. This certificate may not be reproduced other than in full, except with the prior written approval of the issuing laboratory.

Calibration Instance: 114 IGC Instance: N/A

Page 2 of 2 | LP015GIUKAS-2.5

#### www.qedenv.com +44 (0) 333 800 0088 sales@qedenv.co.uk

QED Environmental Systems Ltd. Cyan Park - Unit 3, Jimmy Hill Way, Coventry, CV2 4QP, UNITED KINGDOM

# Appendix E Monitoring Results

# Air Quality

#### 1-hour TSP Concentration (µg/m³) at Location AM1

Date	Equipment	Equipment	K-factor	Weather	Sampling Time (1)	Sampling Time (2)	Sampling Time (3)	Reading (1)	Reading (2)	Reading (3)	Average	Action Level	Limit Level
Date	Brand & Model	Serial No.	N-lactor	weather	Sampling Time (1)		Sampling Time (5)	µg/m³	µg/m ³	µg/m³	µg/m ³	µg/m ³	µg/m ³
5/5/2023	Sibata LD-5R	942532	0.00108	Fine	8:30	9:30	10:30	15	21	20	19		
11/5/2023	Sibata LD-5R	942532	0.00108	Fine	11:46	12:46	13:46	16	21	19	19		
17/5/2023	Sibata LD-5R	942532	0.00108	Fine	14:00	15:00	16:00	21	23	22	22	285	500
23/5/2023	Sibata LD-5R	942532	0.00108	Fine	11:30	12:30	13:30	16	24	19	20		
29/5/2023	Sibata LD-5R	942532	0.00108	Cloudy	12:19	13:19	14:19	34	40	38	37		
							Average		23				
							Max.		40		]		
							Min.		15		]		

#### <u>1-hour TSP Concentration (µg/m³) at Location AM2</u>

Date	Equipment	Equipment	K-factor Weather		Sampling Time (1)	Sampling Time (2)	Sampling Time (3)	Reading (1)	Reading (2)	Reading (3)	Average	Action Level	Limit Level
Date	Brand & Model	Serial No.	Relación	Weather				µg/m ³	µg/m³	µg/m³	µg/m ³	µg/m ³	µg/m ³
5/5/2023	Sibata LD-5R	882106	0.00107	Fine	8:45	9:45	10:45	20	34	29	28		
11/5/2023	Sibata LD-5R	882106	0.00107	Fine	12:00	13:00	14:00	15	24	19	19		
17/5/2023	Sibata LD-5R	882106	0.00107	Fine	14:20	15:20	16:20	31	34	32	32	279	500
23/5/2023	Sibata LD-5R	882106	0.00107	Fine	11:45	12:45	13:45	26	34	30	30		
29/5/2023	Sibata LD-5R	882106	0.00107	Cloudy	12:36	13:36	14:36	41	43	40	41		
							Average		30				
							Max.		43				
							Min.		15				

#### 1-hour TSP Concentration (µg/m³) at Location AM3

Date	Equipment	Equipment	K-factor	Weather	Sampling Time (1)	Sampling Time (2)	Sampling Time (3)	Reading (1)	Reading (2)	Reading (3)	Average	Action Level	Limit Level
Buto	Brand & Model	Serial No.	it labtor	roution	camping rine (1)		camping rine (c)	µg/m ³	µg/m ³	µg/m³	µg/m³	µg/m³	µg/m³
5/5/2023	Sibata LD-5R	0Z4545	0.00114	Fine	8:10	9:10	10:10	26	31	29	29		
11/5/2023	Sibata LD-5R	0Z4545	0.00114	Fine	10:35	11:35	12:35	39	49	40	43		
17/5/2023	Sibata LD-5R	0Z4545	0.00114	Fine	14:10	15:10	16:10	32	38	33	34	285	500
23/5/2023	Sibata LD-5R	0Z4545	0.00114	Fine	11:10	12:10	13:10	31	34	33	33		
29/5/2023	Sibata LD-5R	0Z4545	0.00114	Cloudy	13:00	14:00	15:00	35	40	36	37		
							Average		35				
							Max.		49				
							Min.		26				

#### The Summary of TSP 24-hour Concentration (µg/m³) at Location AM1

Start Date	Weather	Avg Air Temp	Avg Atmospheric Pressure	Elapse Time		Elapse Time		Elapse Time		Elapse Time Samplin				Averaged Flow Rate	Total Flow Volume	Filter Weight (g)		Particulate weight	Concentration	Action Level	Limit Level
<u>ار</u>	Condition	(°C)	(hPa)	Initial	Final	(minutes)	(cfm)	(m ³ /min)	(m ³ )	Initial	Final	(g)	(µg/m³)	(µg/m ³ )	(µg/m3)						
5/5/2023	Fine	27.9	1005.1	1071.34	1095.34	1440	40	1.13	1629	2.6676	2.7171	0.0495	30								
11/5/2023	Fine	24.2	1014.8	1095.47	1119.47	1440	40.5	0.99	1422	2.6707	2.7978	0.1271	89								
17/5/2023	Fine	27.9	1007.4	1119.47	1143.47	1440	41	0.99	1419	2.6584	2.7373	0.0789	56	164	260						
23/5/2023	Cloudy	28.7	1009.8	1143.47	1167.47	1440	40	0.95	1364	2.6638	2.7025	0.0387	28								
29/5/2023	Cloudy	30.1	1006.0	1167.47	1191.47	1440	39.5	0.92	1322	2.6655	2.8059	0.1404	106								
												Average	62								
												Min	28								
												Max	106								

#### The Summary of 24-hour TSP Concentration (µg/m³) at Location AM2

Start Date	Weather	Avg Air Temp	Avg Atmospheric Pressure	Elapse	Time	Sampling Time	Averaged Flow Rate	Flow Rate	Total Flow Volume	Filter W	eight (g)	Particulate weight	Concentration	Action Level	Limit Level
	Condition	(°C)	(hPa)	Initial	Final	(minutes)	(cfm)	(m ³ /min)	(m ³ )	Initial	Final	(g)	(µg/m³)	(µg/m ³ )	(µg/m3)
5/5/2023	Fine	27.9	1005.1	844.41	868.41	1440	41	0.99	1419	2.6766	2.7525	0.0759	53		
11/5/2023	Fine	24.2	1014.8	868.46	892.46	1440	40.5	1.07	1543	2.6674	2.7815	0.1141	74		
17/5/2023	Fine	27.9	1007.4	892.46	916.46	1440	36.5	0.92	1320	2.6751	2.7849	0.1098	83	164	260
23/5/2023	Cloudy	28.7	1009.8	916.46	940.46	1440	41	1.07	1543	2.6491	2.7552	0.1061	69		
29/5/2023	Cloudy	30.1	1006.0	940.46	964.46	1440	41.5	1.08	1555	2.6794	2.8151	0.1357	87		
												Average	73		
												Min	53	]	
												Max	87	]	

#### The Summary of 24-hour TSP Concentration (µg/m³) at Location AM3

Start Date	Weather	Avg Air Temp	Avg Atmospheric Pressure	Elapse	Time	Sampling Time	Averaged Flow Rate	Flow Rate	Total Flow Volume	Filter W	eight (g)	Particulate weight	Concentration	Action Level	Limit Level
	Condition	(°C)	(hPa)	Initial	Final	(minutes)	(cfm)	(m ³ /min)	(m ³ )	Initial	Final	(g)	(µg/m ³ )	(µg/m ³ )	(µg/m3)
5/5/2023	Fine	27.9	1005.1	1850.77	1874.77	1440	40	1.18	1695	2.6620	2.7115	0.0495	29		
11/5/2023	Fine	24.2	1014.8	1874.84	1898.84	1440	40	0.78	1118	2.6792	2.8144	0.1352	121		
17/5/2023	Fine	27.9	1007.4	1898.84	1922.84	1440	39	0.72	1035	2.6792	2.7875	0.1083	105	164	260
23/5/2023	Cloudy	28.7	1009.8	1922.84	1946.84	1440	40	0.76	1091	2.6534	2.7669	0.1135	104		
29/5/2023	Cloudy	30.1	1006.0	1946.84	1970.84	1440	40	0.75	1078	2.6653	2.7810	0.1157	107		
												Average	93		
												Min	29		
Pomorko:												Max	121		

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

# <u>Noise</u>

#### Impact Phase Construction Noise Monitoring Data at Location NM1a

Date	Weather	Wind speed	Start Time	End Time				L _{ec}	, (dB(/	A))				L 10 (0	dB(A))					L 90 (0	dB(A))		
Date	weather	m/s	Start Time		1st	2nd	3rd	4th	5th	6th	Overall (30min)	1st	2nd	3rd	4th	5th	6th	1st	2nd	3rd	4th	5th	6th
5/5/2023	Fine	0	7:10	7:40	46.1	47.9	46.6	48.9	47.1	48.1	47.6	47.6	49.2	47.7	50.2	48.6	49.7	45.9	46.6	45.1	47.1	45.7	46.5
11/5/2023	Fine	0	10:40	11:10	56.2	55.9	56.4	55.7	55.5	56.1	56.0	62.7	67.3	67.7	60.2	62.7	67.1	52.8	53.4	54.1	52.9	53	54.2
17/5/2023	Fine	0.2	14:21	14:51	57.2	58.6	59.2	60.2	58.4	60.4	59.1	60.3	61.2	62.6	63.3	62.4	62.9	51.2	52.3	54.1	55.2	54.4	58.4
23/5/2023	Cloudy	1.2	10:02	10:32	52.4	53.3	54.1	53.6	53.9	54.4	53.7	55.4	56.3	58.1	56.5	57.1	58.3	50.3	49.2	51.3	50.2	50.2	52.3
29/5/2023	Cloudy	3.1	9:34	10:04	60.2	61.2	61.9	60.3	60.9	61.1	61.0	60.8	61.9	62.1	61.3	61.4	62.6	59.1	58.2	59.2	58.3	59.2	57.1
								A	Averag	e	57.4												
								Bas	eline L	evel	55.4							_					
								Act	tion Le	vel	When one vali	id docu	Imente	d comp	olaint is	s receiv	/ed	]					
								Li	mit Lev	/el	75												

#### Impact Phase Construction Noise Monitoring Data at Location NM2a

Date	Weather	Wind speed	Start Time	End Time				L _{eq}	, (dB(/	A))				L 10 (0	lB(A))					L ₉₀ (0	lB(A))		
Date	weather	m/s	Start Time	End mile	1st	2nd	3rd	4th	5th	6th	Overall (30min)	1st	2nd	3rd	4th	5th	6th	1st	2nd	3rd	4th	5th	6th
5/5/2023	Fine	0.2	12:00	12:30	45.5	43.4	46.6	42.6	48.4	53.5	48.4	49.7	46.3	46.8	45.4	48.9	59.2	37.9	37.5	38.1	37.2	39	38.7
11/5/2023	Fine	0	14:24	14:54	56.6	57.1	55.1	57.4	56.3	55.2	56.4	70.7	71.2	69.4	72.2	70.1	68.2	35.4	36.4	34.9	37.4	35.1	36.4
17/5/2023	Fine	0.9	16:41	17:11	57.2	58.3	57.3	56.3	58.2	59.2	57.8	60.3	61.3	60.9	59.3	61.4	62.4	52.3	53.2	54.2	55.2	52.2	55.9
23/5/2023	Cloudy	2.1	15:30	16:00	50.2	51.3	49.9	52.1	51.9	52.4	51.4	53.2	54.4	52.1	53.6	54.2	54.3	47.2	48.4	48.1	49.2	48.8	48.1
29/5/2023	Cloudy	2.1	16:00	16:30	60.2	58.2	57.4	57.7	56.3	57.4	58.0	62.2	59.3	58.5	58.9	59.2	58.4	59.1	54.2	56.1	54.1	52.1	53.2
								4	Averag	е	55.8												
								Bas	eline L	.evel	54.5							_					
								Act	tion Le	evel	When one vali	d docu	imente	d comp	plaint is	s receiv	/ed	]					
								Li	mit Le	vel	75							-					

# Water Quality

#### Monitoring Location: WM1

Date	Time	Weather	Water Depth (m)	Water Flow (L/s)	Water Temperature		DO (mg/L)			рН			Turbidity (NTU)			SS (mg/L)	
					(0)	Value	Action Level	Limit Level	Value	Action Level	Limit Level	Value	Action Level	Limit Level	Value	Action Level	Limit Level
5-May-23	11:47	Fine	0.1	0	24.3	7.9	<7.4	<4	6.9	>7.7	>7.8	3.1	>9.2	>9.5	3.3	>9.7	>11.4

#### Monitoring Location: WM2

Date	Time	Weather	Water Depth (m)	Water Flow (L/s)	Water Temperature (°C)		DO (mg/L)			рН			Turbidity (NTU)			SS (mg/L)	
					(0)	Value	Action Level	Limit Level	Value	Action Level	Limit Level	Value	Action Level	Limit Level	Value	Action Level	Limit Level
5-May-23	7:46	Fine	0.16	0	25.2	8.1	<5	<4	7.3	>7.6	>7.7	30.6	>108.3	>108.9	34.2	>94.5	>94.7

Remarks

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

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

# **ALS Technichem (HK) Pty Ltd**

## **ALS Laboratory Group**

 $\frac{1}{2}$ 

ANALYTICAL CHEMISTRY & TESTING SERVICES



		CERTIFICA	ATE OF ANALYSIS		
Client	: ACUMEN LABORATORY AND TESTING LIMITED	Laboratory	: ALS Technichem (HK) Pty Ltd	Page	: 1 of 9
Contact Address	<ul> <li>MR HUNTINGTON HUI</li> <li>UNIT D, 12/F, FORD GLORY PLAZA, NOS.37-39 WING HONG</li> <li>STREET, CHEUNG SHA WAN, KOWLOON, HONG KONG</li> </ul>	Contact Address	<ul> <li>Richard Fung</li> <li>11/F., Chung Shun Knitting Centre, 1 - 3 Wing</li> <li>Yip Street, Kwai Chung, N.T., Hong Kong</li> </ul>	Work Order	: HK2317588
E-mail Telephone Facsimile	: htthui@acumen-env.com : +852 2333 6823 : +852 2333 1316	E-mail Telephone Facsimile	: richard.fung@alsglobal.com : +852 2610 1044 : +852 2610 2021		
Project	: NENTX			Date Samples Received	: 05-May-2023
Order number	:	Quote number	: HKE/2751/2022_V2	Issue Date	: 19-May-2023
C-O-C number	:			No. of samples received	: 2
Site	:			No. of samples analysed	: 2

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

Signatories	Position	Authorised results for	
Kishood Jong.			
Fung Lim Chee, Richard Kidad Img.	Managing Director	Inorganics	
Fung Lim Chee, Richard	Managing Director	Metals_ENV	
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#### 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 05-May-2023 to 18-May-2023.

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: HK2317588

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

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.

Microbiological sample(s) was/ were collected in 250mL sterile plastic bottles containing sodium thiosulfate. Sample(s) arrived at the laboratory at 17:55.

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

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

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

EA002 - pH value is reported as at 25°C. Calibration range of pH value is 4.0 - 10.0. Results exceeding this range is for reference only.

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

# Rage Number : 3 of 9 Client : ACUMEN LABORATORY AND TESTING LIMITED Work Order HK2317588



### Analytical Results

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Sub-Matrix: WATER			Sample ID	WM1	WM2	 	
		Samplii	ng date / time	05-May-2023	05-May-2023	 	
Compound	CAS Number	LOR	Unit	HK2317588-001	HK2317588-002	 	
EA/ED: Physical and Aggregate Properties							
EA002: pH Value		0.1	pH Unit	6.4	6.8	 	
EA010: Electrical Conductivity @ 25°C		1	μS/cm	67	188	 	
EA025: Suspended Solids (SS)		0.1	mg/L	3.3	34.2	 	
ED037: Total Alkalinity as CaCO3		1	mg/L	18	58	 	
ED/EK: Inorganic Nonmetallic Parameters							
ED041K: Sulphate as SO4 - Turbidimetric		1	mg/L	4	8	 	
ED045K: Chloride	16887-00-6	0.5	mg/L	7	15	 	
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	0.06	0.39	 	
EK058A: Nitrate as N	14797-55-8	0.01	mg/L	<0.01	0.03	 	
EK061A: Total Kjeldahl Nitrogen as N		0.1	mg/L	0.4	0.8	 	
EK071K: Reactive Phosphorus as P	14265-44-2	0.01	mg/L	0.02	<0.01	 /	
EK086: Sulphite as SO3 2-	14265-45-3	2	mg/L	<2	<2	 	
P: Aggregate Organics							
EP005: Total Organic Carbon		1	mg/L	3	5	 	
EP020: Oil & Grease		5	mg/L	<5	<5	 	
EP026C: Chemical Oxygen Demand		5	mg/L	10	13	 	
EP030: Biochemical Oxygen Demand		2	mg/L	<2	3	 	
G: Metals and Major Cations - Total							March 1999
EG020: Cadmium	7440-43-9	0.2	μg/L	<0.2	<0.2	 	
EG020: Copper	7440-50-8	1	µg/L	2	3	 	
EG020: Lead	7439-92-1	1	µg/L	<1	3	 	
EG020: Manganese	7439-96-5	1	μg/L	84	2370	 	
EG020: Nickel	7440-02-0	1	µg/L	<1	1	 	
EG020: Zinc	7440-66-6	10	µg/L	<10	26	 	
EG032: Calcium	7440-70-2	50	µg/L	3460	18600	 	
EG032: Iron	7439-89-6	10	µg/L	660	8990	 	
EG032: Magnesium	7439-95-4	50	µg/L	470	1420	 	
EG032: Potassium	7440-09-7	50	µg/L	570	3900	 	
EG032: Sodium	7440-23-5	50	µg/L	8590	11800	 	

#### Page Number : 4 of 9

.

Client : ACUMEN LABORATORY AND TESTING LIMITED



Work Order HK2317588

Sub-Matrix: WATER			Sample ID	WM1	WM2	 	
		Samplii	ng date / time	05-May-2023	05-May-2023	 	
Compound	CAS Number	LOR	Unit	HK2317588-001	HK2317588-002	 	
EM: Microbiological Testing							
EM002: E. coli		1	CFU/100mL	30000	110	 	
EM003: Total Coliforms		1	CFU/100mL	40000	1500	 	



### Laboratory Duplicate (DUP) Report

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	10 M 10 M				Labo	pratory Duplicate (DUP)	кероп	
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
EAVED: Physical and Ar	ggregate Properties (QC Lo	ot: 5035238)						
HK2317636-001	Anonymous	EA002: pH Value		0.1	pH Unit	8.5	8.5	0.0
HK2317756-002	Anonymous	EA002: pH Value		0.1	pH Unit	8.6	8.6	0.0
EA/ED: Physical and Ac	ggregate Properties (QC Lo	ot: 5035346)					0.0	0.0
HK2317588-001	WM1	EA010: Electrical Conductivity @ 25°C		1	µS/cm	67	67	0.0
EA/ED: Physical and Ac	ggregate Properties (QC Lo	t: 5035347)		- Service State		1 1		0.0
HK2317588-001	WM1	ED037: Total Alkalinity as CaCO3		1	mg/L	18	18	0.0
EA/ED: Physical and Ac	ggregate Properties (QC Lo	t: 5042299)				1 10 1	10 1	0.0
HK2317203-001	Anonymous	EA025: Suspended Solids (SS)		0.5	mg/L	38.7	39.6	2.2
ED/EK: Inorganic Nonm	netallic Parameters (QC Lot	: 5034311)			ing/L	30.7	39.0	2.2
HK2317588-002	WM2	EK071K: Reactive Phosphorus as P	14265-44-2	0.01	mg/L	<0.01	<0.01	0.0
ED/EK: Inorganic Nonm	etallic Parameters (QC Lot			0.01	ing/L	-0.01	<b>40.01</b>	0.0
HK2317485-001	Anonymous	EK055K: Ammonia as N	7664-41-7	0.01	mg/L	33.7	32.6	3.5
ED/EK: Inorganic Nonm	etallic Parameters (QC Lot	: 5036644)			ing/L	00.1	52.0	3.5
HK2317588-001	WM1	ED041K: Sulphate as SO4 - Turbidimetric		1	mg/L	4	4	0.0
D/EK: Inorganic Nonm	etallic Parameters (QC Lot				ing/L		4	0.0
HK2317588-001	WM1	ED045K: Chloride	16887-00-6	1	mg/L	7	7	0.0
D/EK: Inorganic Nonm	etallic Parameters (QC Lot	5037580)						0.0
HK2317339-001	Anonymous	EK061A: Total Kjeldahl Nitrogen as N		0.1	mg/L	1.0	1.0	0.0
D/EK: Inorganic Nonme	etallic Parameters (QC Lot		THE REAL PROPERTY.		<u>9</u>		1.0	0.0
HK2318315-002	Anonymous	EK086: Sulphite as SO3 2-	14265-45-3	2	mg/L	<2	<2	0.0
P: Aggregate Organics	(QC Lot: 5046151)				g, E			0.0
HK2317488-005	Anonymous	EP005: Total Organic Carbon		1	mg/L	<1	<1	0.0
P: Aggregate Organics	(QC Lot: 5056979)				ing L			0.0
HK2317892-003	Anonymous	EP026C: Chemical Oxygen Demand		5	mg/L	5	5	0.0
G: Metals and Major Ca	ations - Total (QC Lot: 503	AND		States States	ing/c		J I	0.0
HK2317340-002	Anonymous	EG020: Cadmium	7440-43-9	0.2	µg/L	<0.2	<0.2	0.0
		EG020: Copper	7440-50-8	1	μg/L	58	61	
		EG020: Lead	7439-92-1	1	μg/L	<1	<1	4.7
		EG020: Manganese	7439-96-5	1	μg/L	<1		0.0
		EG020: Nickel	7440-02-0	1	μg/L	<1	<1	0.0

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Client : ACUMEN LABORATORY AND TESTING LIMITED

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Matrix: WATER					Lab	oratory Duplicate (DUP)	Report	
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
EG: Metals and Major (	Cations - Total (QC Lot: 503	33993) - Continued						
HK2317340-002	Anonymous	EG020: Zinc	7440-66-6	10	µg/L	43	43	0.0
EG: Metals and Major (	Cations - Total (QC Lot: 503	33999)	后来为1994年,1994年1					
HK2317588-002	WM2	EG032: Iron	7439-89-6	10	μg/L	8990	9280	3.2
		EG032: Calcium	7440-70-2	50	μg/L	18600	19300	3.5
		EG032: Magnesium	7439-95-4	50	µg/L	1420	1490	4.5
		EG032: Potassium	7440-09-7	50	μg/L	3900	3950	1.4
		EG032: Sodium	7440-23-5	50	μg/L	11800	12200	3.0

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

Matrix: WATER			Method Blank (MB)	Report		Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
				Spike Concentration	Spike Recovery (%)		Recovery Limits(%)		RPD (%)			
Method: Compound	CAS Number	LOR	Unit	Result		LCS	DCS	Low	High	Value	Control Limit	
EA/ED: Physical and Aggregate Properties (QC	Lot: 5035346)	3.1.1.				in the second						
EA010: Electrical Conductivity @ 25°C		1	μS/cm	<1	146.9 µS/cm	102		93.5	106			
				<1	1412 µS/cm	98.4		94.3	105			
EA/ED: Physical and Aggregate Properties (QC	Lot: 5035347)											
ED037: Total Alkalinity as CaCO3		1	mg/L	<1	50 mg/L	101		95.0	105			
EA/ED: Physical and Aggregate Properties (QC	Lot: 5042299)	- Salas Lines						a calendari				
EA025: Suspended Solids (SS)		0.5	mg/L	<0.5	10 mg/L	91.0		82.4	118			
ED/EK: Inorganic Nonmetallic Parameters (QC	Lot: 5034311)	alter to the					A GUI A COM				304-835 C	
EK071K: Reactive Phosphorus as P	14265-44-2	0.01	mg/L	<0.01	0.5 mg/L	101		92.4	106			
ED/EK: Inorganic Nonmetallic Parameters (QC	Lot: 5034664)										and the second second	
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	0.5 mg/L	104		89.3	109			
ED/EK: Inorganic Nonmetallic Parameters (QC	Lot: 5036644)					See Lakende.						
ED041K: Sulphate as SO4 - Turbidimetric		1	mg/L	<1	5 mg/L	105		89.8	108			
ED/EK: Inorganic Nonmetallic Parameters (QC	Lot: 5036647)										1948 2.4	
ED045K: Chloride	16887-00-6	1	mg/L	<1	10 mg/L	98.8		88.2	108			
ED/EK: Inorganic Nonmetallic Parameters (QC	Lot: 5037580)			Contantino de						and the second		
EK061A: Total Kjeldahl Nitrogen as N		0.1	mg/L	<0.1	0.5 mg/L	103		89.0	120			

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Matrix: WATER			Method Blank (MB)	) Report		Laboratory Contr	trol Spike (LCS) and Lab	boratory Control S	Spike Duplicate (	DCS) Report	
					Spike Concentration		ecovery (%)		very Limits(%)	1	PD (%)
Method: Compound	CAS Number	LOR	Unit	Result		LCS	DCS	Low	High	Value	Control
ED/EK: Inorganic Nonmetallic Parameters (QC	C Lot: 5052026)							Constant of the second			Limit
EK086: Sulphite as SO3 2-	14265-45-3	2	mg/L	<2						Also provinsi ka sas	T
EP: Aggregate Organics (QC Lot: 5032687)											
EP030: Biochemical Oxygen Demand			mg/L		198 mg/L	99.2		78.6	118		Alle Alle In alle Alle
EP: Aggregate Organics (QC Lot: 5046151)								/0.0	110		
EP005: Total Organic Carbon		1	mg/L	<1	5 mg/L	103		78.1	123		
				<1	100 mg/L	93.6		78.1	123		
EP: Aggregate Organics (QC Lot: 5049731)								10.0			
EP020: Oil & Grease		2	mg/L	<2	20 mg/L	96.0		84.2	110		
EP: Aggregate Organics (QC Lot: 5056979)		Stelles Loy	ALL STREET	A Standard Y				07.2			
EP026C: Chemical Oxygen Demand			mg/L		25 mg/L	103		92.0	108		and a second
					250 mg/L	100		92.0	108		
EG: Metals and Major Cations - Total (QC Lot:	: 5033993)					ANT PARTY					
EG020: Cadmium	7440-43-9	0.2	µg/L	<0.2	5 μg/L	97.4		85.0	109		
EG020: Copper	7440-50-8	1	µg/L	<1	50 µg/L	101		90.0	111		
EG020: Lead	7439-92-1	1	µg/L	<1	50 μg/L	108		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	101		87.0	110		
EG020: Zinc	7440-66-6	10	µg/L	<10	50 µg/L	106		86.0	114		
EG: Metals and Major Cations - Total (QC Lot: !	. 5033999)										
EG032: Calcium	7440-70-2	50	µg/L	<50	2000 µg/L	99.5		85.0	115		
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	105		85.0	115		
EG032: Potassium	7440-09-7	50	µg/L	<50	2000 µg/L	101		85.0	115		
EG032: Sodium	7440-23-5	50	µg/L	<50	2000 µg/L	101		85.0	115		

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

Matrix: WATER				Matrix Spike	e (MS) and Matr	ix Spike Duplic	ate (MSD) Re	port	
			Spike	Spike Rec	overy (%)	Recovery	Limits (%)	RPL	(%)
Laboratory sample ID	Sample ID	Method: Compound CAS Number	Concentration	MS	MSD	Low	High	Value	Control Limit
ED/EK: Inorgani	c Nonmetallic Parameters (	QC Lot: 5034311)			a start and		the second		
HK2317588-002	WM2	EK071K: Reactive Phosphorus as P 14265-44- 2	0.5 mg/L	98.5		75.0	125		
ED/EK: Inorgani	c Nonmetallic Parameters (	QC Lot: 5034664)							
HK2317485-001		EK055K: Ammonia as N 7664-41-7	50 mg/L	110		75.0	125		
ED/EK: Inorgani	c Nonmetallic Parameters (	QC Lot: 5036644)							
	WM1	ED041K: Sulphate as SO4 - Turbidimetric	5 mg/L	93.7		75.0	125		
ED/EK: Inorgani	c Nonmetallic Parameters (	QC Lot: 5036647)							
HK2317588-001		ED045K: Chloride 16887-00- 6	5 mg/L	86.1	· ·	75.0	125		
ED/EK: Inorgani	c Nonmetallic Parameters (	QC Lot: 5037580)	MAN STAR						
HK2317339-001	Anonymous	EK061A: Total Kjeldahl Nitrogen as N	1 mg/L	125		75.0	125		
EP: Aggregate C	Organics (QC Lot: 5046151)								
HK2317488-005	Anonymous	EP005: Total Organic Carbon	5 mg/L	103		75.0	125		
EP: Aggregate C	Organics (QC Lot: 5056979)			1.1943年夏1943				國王的主要的	
HK2317892-003	Anonymous	EP026C: Chemical Oxygen Demand	10 mg/L	103		75.0	125		
EG: Metals and	Major Cations - Total (QC L	.ot: 5033993)						and the second	
HK2317340-001		EG020: Cadmium 7440-43-9	5 µg/L	94.8		75.0	125		
		EG020: Copper 7440-50-8	50 μg/L	# Not Determined		75.0	125		
		EG020: Lead 7439-92-1	50 μg/L	105		75.0	125		
		EG020: Manganese 7439-96-5	50 µg/L	103		75.0	125		
		EG020: Nickel 7440-02-0	50 µg/L	100		75.0	125		
		EG020: Zinc 7440-66-6	50 µg/L	103		75.0	125		
EG: Metals and	Major Cations - Total (QC L	.ot: 5033999)							255
IK2317588-001	WM1	EG032: Calcium 7440-70-2	2000 µg/L	119		75.0	125		
		EG032: Iron 7439-89-6	2000 µg/L	112		75.0	125		
		EG032: Magnesium 7439-95-4	2000 µg/L	113		75.0	125		

## Rage Number : 9 of 9 Client : ACUMEN LABORATORY AND TESTING LIMITED Work Order HK2317588



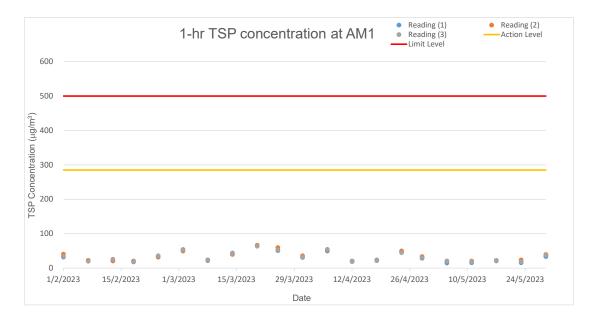
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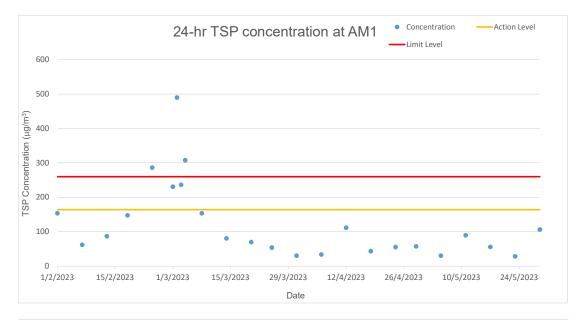
Matrix: WATER					Matrix Spi	ike (MS) and Matri	x Spike Duplic	ate (MSD) Re	eport	
I chamtons	0			Spike	Spike Re	ecovery (%)	Recovery	Limits (%)	RPL	) (%)
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Concentration	MS	MSD	Low	High	Value	Control
EG: Metals and	Major Cations - Total (QC)	Lot: 5033999) - Continued							Sales Acres	Limit
HK2317588-001	WM1	EG032: Potassium	7440-09-7	2000 µg/L	109		75.0	125		
		EG032: Sodium	7440-23-5	2000 µg/L	# Not		75.0	125		
					Determined					

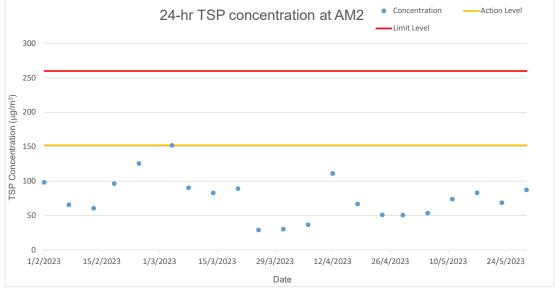
## Appendix F Graphical Presentations

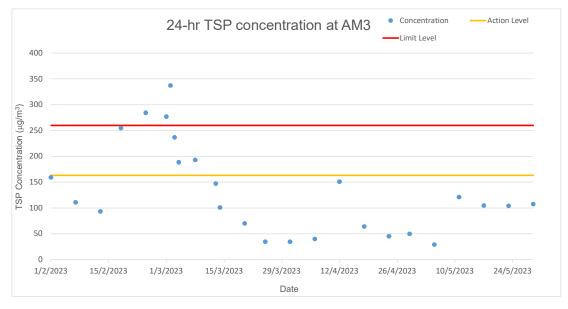
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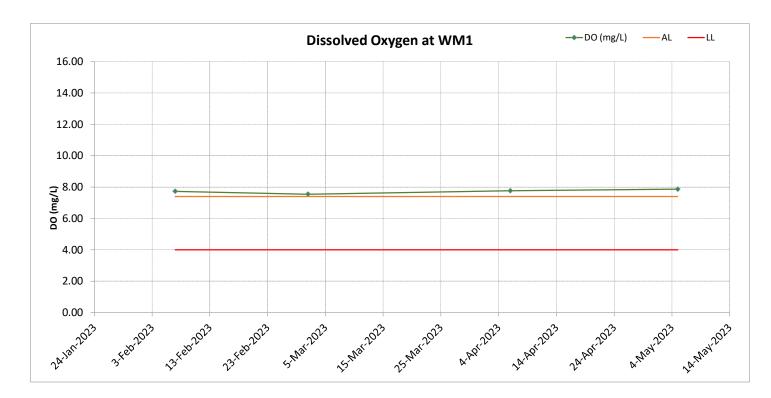


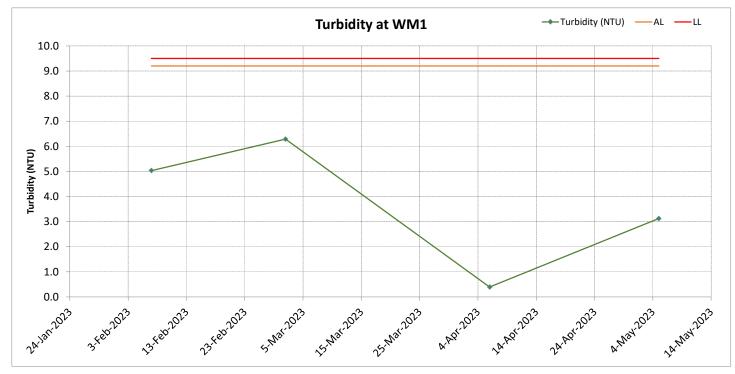


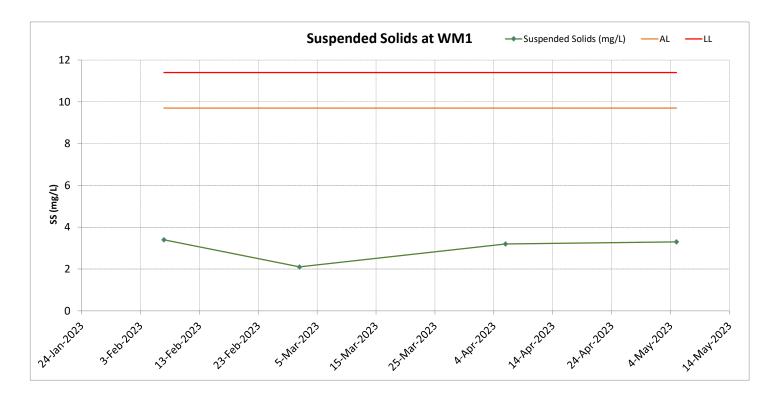
# <u>Noise</u>

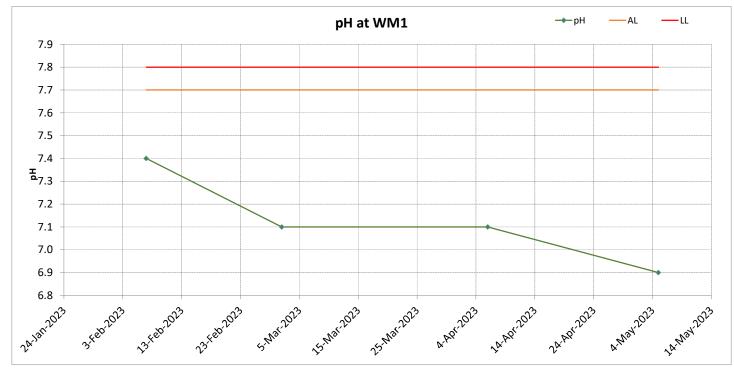


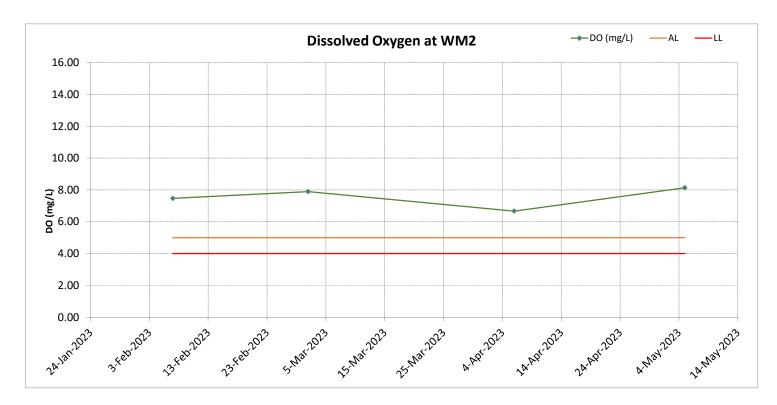
# Water Quality

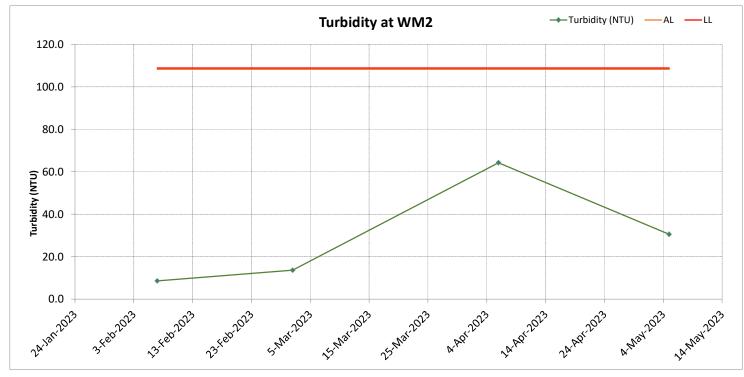


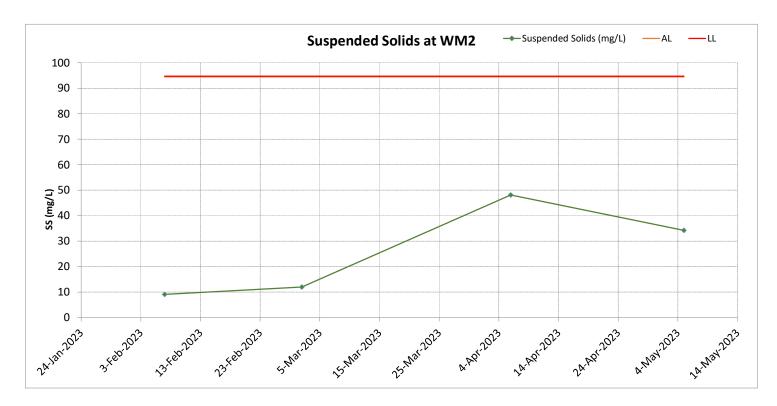


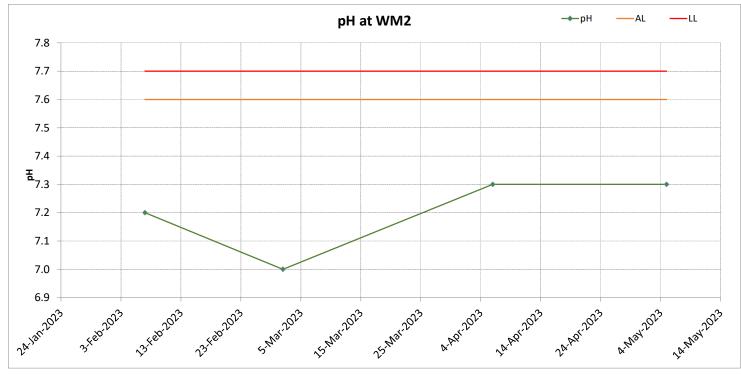












## Appendix G Notification of Environmental Quality Limits Exceedance

#### Notification of Environmental Quality Limits Exceedance

#### **Construction Dust**

				Exceedance Count					
Dust Monitoring	Parameter	1-hr TSP	24-hr TSP	Reportir	ıg period	Accumulate project to date			
Station	Level Exceedance		24-111 136	Project related	Non- project replated	Project related	Non- project replated		
AM1	Action	0	0	0	0	0	2		
	Limit	0	0	0	0	0	3		
AM2	Action	0	0	0	0	0	0		
	Limit	0	0	0	0	0	0		
AM3	Action	0	0	0	0	0	4		
	Limit	0	0	0	0	0	3		

Remarks: * equal to non-project related

#### Noise Monitoring

Manitaring Clation	Monitoring	No. of Exceedance				
Monitoring Station	Parameter(s)	Action Level	Limit Level			
NM1a		0	0			
NM2a	LAeq (30mins)	0	0			

#### Notification of Environmental Quality Limits Exceedance

#### Surface Water Monitoring

Manifaring Ctation	Monitoring	No. of Ex	ceedance
Monitoring Station	Parameter(s)	Action Level	Limit Level
	Dissolved Oxygen	0	0
14/1-44	pH	0	0
WM1	Turbidity	0	0
	Suspended Solids	0	0
	Dissolved Oxygen	0	0
14/1/2	рН	0	0
WM2	Turbidity	0	0
	Suspended Solids	0	0

#### Landfill Gas (LFG) Monitoring

LFG Monitoring	Monitoring	No. of Exceedance
Station	Parameter(s)	Limit Level
	CH ₄	0
Portion A +50 mpD to +70 mpD Platform	CO ₂	0
	O ₂	0

North East New Territories (NENT) Landfill Extension Monthly Environmental Monitoring and Audit Report (No. 6) – May 2023

## Appendix H Wind Data

(YYYMABB         (Wind Speed (us))         (Wind Speed (us))         (Wind Speed (us))           20230501         0010         2.8         SE           20230501         0030         2.5         ESE           20230501         0030         2.5         ESE           20230501         0030         2.2         ESE           20230501         0100         2.2         ESE           20230501         0130         1.7         ESE           20230501         0130         2.2         ESE           20230501         0150         2.2         ESE           20230501         0150         2.2         ESE           20230501         0150         2.2         ESE           20230501         0200         2.5         E           20230501         0200         2.5         E           20230501         030         2.8         ESE           20230501         030         2.8         ESE           20230501         030         2.8         ESE           20230501         0400         2.8         ESE           20230501         0400         2.8         ESE           20230501         04	Date & Time	Wind Speed (m/s)	Wind Direction (From)
2023050         0010         2.8         SE           2023050         0030         2.5         ESE           2023050         0050         3.1         ESE           2023050         0100         2.2         ESE           2023050         0100         2.2         ESE           2023050         0110         2.2         ESE           2023050         0120         2.1         ESE           2023050         0140         2.2         ESE           2023050         0140         2.2         ESE           2023050         0200         2.5         E           2023050         020         2.5         E           2023050         020         2.5         E           2023050         020         2.2         ESE           2023050         020         2.8         ESE           2023050         030         2.8         ESE           2023050         030         2.8         ESE           2023050         040         3.1         ESE           2023050         040         2.8         ESE           2023050         0400         2.8         ESE <t< td=""><td></td><td></td><td></td></t<>			
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20230501 0040 $1.9$ ESE $20230501 0050$ $3.1$ ESE $20230501 0100$ $2.2$ ESE $20230501 0120$ $2.2$ ESE $20230501 0120$ $2.2$ ESE $20230501 0120$ $2.2$ ESE $20230501 0140$ $2.2$ ESE $20230501 0200$ $2.5$ E $20230501 0200$ $2.5$ E $20230501 0200$ $2.5$ E $20230501 0200$ $2.5$ E $20230501 0200$ $2.2$ ESE $20230501 0300$ $2.2$ ESE $20230501 0300$ $2.2$ ESE $20230501 0300$ $2.8$ ESE $20230501 0300$ $2.8$ ESE $20230501 0300$ $2.8$ ESE $20230501 0400$ $2.8$ ESE $20230501 0400$ $2.8$ ESE $20230501 0400$ $2.8$ ESE $20230501 0400$ $2.8$ ESE $20230501 0500$			
2023050         0050         3.1         ESE           2023050         010         2.2         ESE           2023050         0120         2.2         ESE           2023050         0120         2.2         ESE           2023050         0130         1.7         ESE           2023050         0140         2.2         ESE           2023050         0200         2.5         E           2023050         0200         2.5         E           2023050         0200         2.5         E           2023050         020         2.2         ESE           2023050         0300         2.5         E           2023050         0300         2.5         ESE           2023050         0300         2.2         ESE           2023050         030         2.8         ESE           2023050         030         2.8         ESE           2023050         040         2.8         SE           2023050         040         2.8         ESE           2023050         040         2.8         ESE           2023050         040         2.5         ESE	20230501_0030		ESE
2023050 $1010$ 2.2         ESE           2023050 $1010$ 2.2         ESE           2023050 $1140$ 2.2         ESE           2023050 $1140$ 2.2         ESE           2023050 $1040$ 2.2         ESE           2023050 $1020$ 2.3         E           2023050 $1020$ 3.1         E           2023050 $0220$ 3.1         E           2023050 $0220$ 2.8         ESE           2023050 $0200$ 2.8         ESE           2023050 $0310$ 2.8         ESE           2023050 $0300$ 2.8         ESE           2023050 $0300$ 2.8         ESE           2023050 $0400$ <td< td=""><td></td><td></td><td></td></td<>			
20230501         010         2.2         ESE           20230501         0130         1.7         ESE           20230501         0140         2.2         ESE           20230501         0140         2.2         ESE           20230501         0210         2.8         ESE           20230501         0210         2.8         ESE           20230501         0220         3.1         E           20230501         0200         2.5         E           20230501         0200         2.5         E           20230501         0200         2.5         ESE           20230501         0200         2.5         ESE           20230501         0200         2.8         ESE           20230501         030         2.8         ESE           20230501         040         2.8         ESE </td <td></td> <td></td> <td>ESE</td>			ESE
$\begin{array}{c c c c c c c c c c c c c c c c c c c $			
2023050         117         ESE           2023050         1040         2.2         ESE           2023050         1050         2.2         ESE           2023050         1020         2.5         E           2023050         0220         3.1         E           2023050         0230         2.5         F           2023050         0230         2.5         E           2023050         0230         2.2         ESE           2023050         0230         2.8         ESE           2023050         0300         2.5         ESE           2023050         0300         2.8         ESE           2023050         0300         2.8         ESE           2023050         0340         3.1         ESE           2023050         0400         2.8         SE           2023050         0400         2.8         ESE           2023050         0410         2.8         ESE           2023050         0400         2.8         ESE           2023050         0510         2.5         SE           2023050         0510         2.5         ESE           20		2.2	
2023050 $140$ $2.2$ ESE $2023050$ $020$ $2.5$ $E$ $2023050$ $020$ $3.1$ $E$ $2023050$ $020$ $3.1$ $E$ $2023050$ $020$ $2.5$ $E$ $2023050$ $020$ $2.5$ $ESE$ $2023050$ $020$ $2.2$ $ESE$ $2023050$ $030$ $2.2$ $ESE$ $2023050$ $030$ $2.8$ $ESE$ $2023050$ $030$ $2.8$ $ESE$ $2023050$ $040$ $2.8$ $SE$ $2023050$ $0400$ $2.8$ $ESE$ $2023050$ $0400$ $2.8$ $ESE$ $2023050$ $0400$ $2.8$ $ESE$ $2023050$ $0400$ $2.8$ $ESE$ $2023050$ $040$ $2.8$ $ESE$ $2023050$ $040$ $2.5$ $SE$ $2023050$ $050$ $2.2$ $E$	20230501 0130	1.7	ESE
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20230501 $220$ $3.1$ E $20230501$ $0230$ $2.5$ E $20230501$ $0240$ $2.8$ ESE $20230501$ $0300$ $2.5$ ESE $20230501$ $0300$ $2.2$ ESE $20230501$ $0300$ $2.2$ ESE $20230501$ $0300$ $2.8$ ESE $20230501$ $0340$ $3.1$ ESE $20230501$ $0340$ $2.8$ ESE $20230501$ $0400$ $2.5$ SE $20230501$ $0500$ $2.5$ SE $20230501$ $0500$ $2.2$ <te< td=""><td>20230501_0150</td><td>2.2</td><td></td></te<>	20230501_0150	2.2	
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	20230501_0200	2.5	
$\begin{array}{c c c c c c c c c c c c c c c c c c c $			
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2023050 $2.2$ ESE $2023050$ $030$ $2.2$ ESE $2023050$ $0310$ $2.2$ ESE $2023050$ $0330$ $2.8$ ESE $2023050$ $0330$ $2.8$ ESE $2023050$ $030$ $2.8$ SE $2023050$ $0400$ $2.8$ SE $2023050$ $0400$ $2.8$ ESE $2023050$ $0400$ $2.8$ ESE $2023050$ $0400$ $2.8$ ESE $2023050$ $040$ $2.8$ ESE $2023050$ $040$ $2.8$ ESE $2023050$ $0500$ $2.5$ SE $2023050$ $0500$ $2.2$ ESE $2023050$ $0500$ $2.2$ ESE $2023050$ $0500$ $2.2$ ESE $2023050$ $0600$ $2.5$ SE $2023050$ $0600$ $2.5$ ESE $2$	20230501 0240	2.8	ESE
2023050         0320         2.8         ESE           2023050         0330         2.8         ESE           2023050         0350         2.2         ESE           2023050         0400         2.8         SE           2023050         0400         2.8         SE           2023050         0400         2.8         ESE           2023050         0440         2.8         ESE           2023050         0440         2.8         ESE           2023050         0440         2.8         ESE           2023050         0440         2.8         ESE           2023050         0500         2.5         SE           2023050         0500         2.5         ESE           2023050         0530         2.2         ESE           2023050         0540         2.5         SE           2023050         0500         2.2         ESE           2023050         0640         1.7         E           2023050         0640         1.7         E           2023050         0640         1.7         E           2023050         0700         1.7         ESE	20230501_0250	2.2	ESE
2023050         0320         2.8         ESE           2023050         0330         2.8         ESE           2023050         0350         2.2         ESE           2023050         0400         2.8         SE           2023050         0400         2.8         SE           2023050         0400         2.8         ESE           2023050         0440         2.8         ESE           2023050         0440         2.8         ESE           2023050         0440         2.8         ESE           2023050         0440         2.8         ESE           2023050         0500         2.5         SE           2023050         0500         2.5         ESE           2023050         0530         2.2         ESE           2023050         0540         2.5         SE           2023050         0500         2.2         ESE           2023050         0640         1.7         E           2023050         0640         1.7         E           2023050         0640         1.7         E           2023050         0700         1.7         ESE	20230501_0300	2.5	ESE
2023050         0330         2.8         ESE           20230501         0350         2.2         ESE           20230501         0400         2.8         SE           20230501         0410         2.8         SE           20230501         0410         2.8         ESE           20230501         0430         2.8         ESE           20230501         0430         2.8         ESE           20230501         0430         2.8         ESE           20230501         0450         2.8         ESE           20230501         0500         2.5         SE           20230501         0500         2.5         ESE           20230501         0500         2.5         SE           20230501         0530         2.5         SE           20230501         0550         2.2         ESE           20230501         0630         2.5         SE           20230501         0630         2.5         SE           20230501         0630         2.5         SE           20230501         0630         2.5         SE           20230501         0630         1.7         E<		2.2	
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$\begin{array}{c c c c c c c c c c c c c c c c c c c $	20230501_0330	2.8	ESE
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2023050 $0410$ $3.3$ ESE $2023050$ $0430$ $2.8$ ESE $2023050$ $0430$ $2.8$ ESE $2023050$ $0440$ $2.8$ ESE $2023050$ $0500$ $2.8$ ESE $2023050$ $0500$ $2.5$ SE $2023050$ $0500$ $2.5$ ESE $2023050$ $0500$ $2.5$ ESE $2023050$ $0500$ $2.2$ ESE $2023050$ $0500$ $2.2$ ESE $2023050$ $0500$ $2.2$ ESE $2023050$ $0600$ $2.5$ ESE $2023050$ $0640$ $1.7$ E $2023050$ $0640$ $1.7$ E $2023050$ $0700$ $1.7$ ESE $2023050$ $0700$ $1.7$ ESE $2023050$ $0700$ $1.7$ ESE $2023050$ $0740$ $1.7$ ESE </td <td>20230501 0400</td> <td>2.8</td> <td></td>	20230501 0400	2.8	
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	20230501_0410	3.3	ESE
2023050         0440         2.8         ESE           20230501         0500         2.5         SE           20230501         0500         2.5         SE           20230501         0500         2.5         ESE           20230501         0530         2.5         ESE           20230501         0540         2.5         SE           20230501         0540         2.5         SE           20230501         0540         2.5         SE           20230501         0640         2.5         SE           20230501         0600         2.5         SE           20230501         0630         2.5         ESE           20230501         0630         2.5         ESE           20230501         0630         2.5         ESE           20230501         0630         1.7         E           20230501         0700         1.7         ESE           20230501         0740         1.7         ESE           20230501         0740         1.7         ESE           20230501         0740         1.7         ESE           20230501         0740         1.7         ES			
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	20230501_0430	2.8	ESE
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2023050         0530         2.5         ESE           20230501         0540         2.5         SE           20230501         0550         2.2         ESE           20230501         0500         2.5         SE           20230501         0630         2.5         SE           20230501         0630         2.2         ESE           20230501         0630         2.2         ESE           20230501         0630         2.5         ESE           20230501         0630         2.5         ESE           20230501         0640         1.7         E           20230501         0700         1.7         ESE           20230501         0740         1.7         ESE           20230501         0800         2.2         ESE           20230501         0800         2.5 <t< td=""><td></td><td>2.5</td><td></td></t<>		2.5	
2023050         0530         2.5         ESE           20230501         0540         2.5         SE           20230501         0550         2.2         ESE           20230501         0500         2.5         SE           20230501         0630         2.5         SE           20230501         0630         2.2         ESE           20230501         0630         2.2         ESE           20230501         0630         2.5         ESE           20230501         0630         2.5         ESE           20230501         0640         1.7         E           20230501         0700         1.7         ESE           20230501         0740         1.7         ESE           20230501         0800         2.2         ESE           20230501         0800         2.5 <t< td=""><td>20230501 0520</td><td>2.2</td><td></td></t<>	20230501 0520	2.2	
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	20230501_0530	2.5	ESE
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20230501         0610         2.5         ESE           20230501         0620         2.2         ESE           20230501         0630         2.5         ESE           20230501         0630         2.5         ESE           20230501         0630         1.7         E           20230501         0700         1.7         ESE           20230501         0700         1.7         ESE           20230501         0720         1.7         ESE           20230501         0720         1.7         ESE           20230501         0740         1.7         ESE           20230501         0740         1.7         ESE           20230501         0740         1.7         ESE           20230501         0740         1.7         ESE           20230501         0800         2.2         ESE           20230501         0810         2.5         ESE           20230501         0810         2.5         E           20230501         0830         2.5         E           20230501         0830         2.5         E           20230501         0900         2.5		2.2	
2023050         0620         2.2         ESE           20230501         0630         2.5         ESE           20230501         0640         1.7         E           20230501         0640         1.7         E           20230501         0700         1.7         E           20230501         0700         1.7         ESE           20230501         0700         1.7         ESE           20230501         0710         1.7         ESE           20230501         0730         1.9         ESE           20230501         0740         1.7         ESE           20230501         0740         1.7         ESE           20230501         0750         2.5         ESE           20230501         0800         2.5         ESE           20230501         0830         2.5         E           20230501         0830         2.5         E           20230501         0840         2.5         E           20230501         0840         2.5         E           20230501         0800         2.8         E           20230501         0930         2.8         E			
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20230501         0640         1.7         E           20230501         0550         1.7         E           20230501         0700         1.7         ESE           20230501         0700         1.7         ESE           20230501         0700         1.7         ESE           20230501         0710         1.7         ESE           20230501         0730         1.9         ESE           20230501         0740         1.7         ESE           20230501         0740         1.7         ESE           20230501         0740         1.7         ESE           20230501         0740         1.7         ESE           20230501         0800         2.2         ESE           20230501         0800         2.5         ESE           20230501         0830         2.5         E           20230501         0840         2.5         E           20230501         0840         2.5         E           20230501         0900         2.5         E           20230501         0900         2.5         E           20230501         0900         2.5         E		2.5	
20230501 0700         1.7         ESE           20230501 0710         1.7         ESE           20230501 0720         1.7         ESE           20230501 0730         1.9         ESE           20230501 0740         1.7         ESE           20230501 0740         1.7         ESE           20230501 0740         1.7         ESE           20230501 0740         1.7         ESE           20230501 0760         2.5         ESE           20230501 0800         2.2         ESE           20230501 0810         2.5         ESE           20230501 0840         2.5         E           20230501 0840         2.5         E           20230501 0840         2.5         E           20230501 0900         2.5         E           20230501 0900         2.5         E           20230501 0900         2.5         E           20230501 0940         2.5         E           20230501 0940         2.5         E           20230501 1000         2.8         E           20230501 1000         2.8         E           20230501 1000         2.8         E           20230501 1000	20230501_0640	1.7	
20230501         0710         1.7         ESE           20230501         0730         1.7         ESE           20230501         0730         1.9         ESE           20230501         0730         1.7         ESE           20230501         0730         1.7         ESE           20230501         0730         2.5         ESE           20230501         0800         2.2         ESE           20230501         0800         2.2         ESE           20230501         0810         2.5         ESE           20230501         0840         2.5         E           20230501         0840         2.5         E           20230501         0840         2.5         E           20230501         0840         2.5         E           20230501         0940         2.5         E           20230501         0930         2.8         E           20230501         0930         2.8         E           20230501         0940         2.5         E           20230501         1030         2.8         E           20230501         1030         2.8         E		1.7	E
20230501 0720         1.7         ESE           20230501 0730         1.9         ESE           20230501 0740         1.7         ESE           20230501 0740         1.7         ESE           20230501 0750         2.5         ESE           20230501 0800         2.2         ESE           20230501 0800         2.2         ESE           20230501 0830         2.5         ESE           20230501 0830         2.5         E           20230501 0830         2.5         E           20230501 0830         2.5         E           20230501 0840         2.5         E           20230501 0900         2.8         E           20230501 1000         2.8         E           20230501 1000         2.8         E           20230501 100         <			ESE
2023050         0730         1.9         ESE           2023050         0740         1.7         ESE           2023050         0740         1.7         ESE           2023050         0750         2.5         ESE           2023050         0800         2.2         ESE           2023050         0810         2.5         ESE           2023050         0820         2.5         ESE           2023050         0830         2.5         E           2023050         0840         2.5         E           2023050         0840         2.5         E           2023050         0830         2.5         E           2023050         0800         2.8         E           2023050         0930         2.8         E           2023050         0930         2.8         E           2023050         0940         2.5         E           2023050         0940         2.5         E           2023050         1000         2.8         E           2023050         1000         2.8         E           2023050         1000         2.8         E	20230501_0710		ESE
20230501 0740         1.7         ESE           20230501 0750         2.5         ESE           20230501 0800         2.2         ESE           20230501 0810         2.5         ESE           20230501 0820         2.5         ESE           20230501 0830         2.5         ESE           20230501 0830         2.5         E           20230501 0840         2.5         E           20230501 0840         2.5         E           20230501 0840         2.5         E           20230501 0940         2.5         E           20230501 1040         2.5         E           20230501 1040         2.5         E           20230501 1050         2.8         E           20230501 1030         2.8         E           20230501 1040         2.5         E           20230501 1050         2.8         E           20230501 1100         3.1         ENE           20230501 1100 <t< td=""><td>20230501_0720</td><td>1./</td><td>ESE</td></t<>	20230501_0720	1./	ESE
20230501 0750         2.5         ESE           20230501 0800         2.2         ESE           20230501 0810         2.5         ESE           20230501 0810         2.5         ESE           20230501 0830         2.5         ESE           20230501 0830         2.5         E           20230501 0830         2.5         E           20230501 0850         2.8         E           20230501 0850         2.5         E           20230501 0850         2.5         E           20230501 0900         2.5         E           20230501 0900         2.5         E           20230501 0900         2.5         E           20230501 0900         2.5         E           20230501 0940         2.5         E           20230501 0940         2.5         E           20230501 1000         2.8         E           20230501 1000         2.5         ENE           20230501 1000         2.8         E           20230501 100         3.1         ENE           20230501 100         3.1         ENE           20230501 1100         3.1         ENE           20230501 1100	20230501_0750	1.7	ESE
20230501         0810         2.5         ESE           20230501         0820         2.5         ESE           20230501         0830         2.5         E           20230501         0830         2.5         E           20230501         0830         2.5         E           20230501         0850         2.8         E           20230501         0900         2.5         E           20230501         0920         2.5         E           20230501         0920         2.5         E           20230501         0920         2.5         E           20230501         0930         2.8         E           20230501         0930         2.8         E           20230501         0940         2.5         E           20230501         1000         2.8         E           20230501         1000         2.5         ESE           20230501         1000         2.8         E           20230501         1000         2.8         E           20230501         1000         3.1         ENE           20230501         1100         3.1         ENE	20230501_0750	2.5	ESE
2023050         0820         2.5         ESE           20230501         0830         2.5         E           20230501         0840         2.5         E           20230501         0850         2.8         E           20230501         0950         2.5         E           20230501         0920         2.5         E           20230501         0920         2.5         E           20230501         0920         2.5         E           20230501         0930         2.8         E           20230501         0940         2.5         E           20230501         0940         2.5         E           20230501         1000         2.8         E           20230501         1000         2.8         E           20230501         1000         2.8         E           20230501         1030         2.8         E           20230501         1030         2.8         E           20230501         1040         2.8         E           20230501         1100         3.1         ENE           20230501         1100         3.1         E	20230501_0800		ESE
20230501         0840         2.5         E           20230501         0850         2.8         E           20230501         0850         2.5         E           20230501         0900         2.5         E           20230501         0920         2.5         E           20230501         0930         2.8         E           20230501         0940         2.5         E           20230501         0940         2.5         E           20230501         1000         2.8         E           20230501         1000         2.8         E           20230501         1000         2.8         E           20230501         100         2.5         ESE           20230501         100         2.5         E           20230501         100         2.8         E           20230501         100         2.8         E           20230501         100         3.1         ENE           20230501         110         2.8         E           20230501         110         3.1         E           20230501         1130         3.1         E	20230501_0810		
20230501         0840         2.5         E           20230501         0850         2.8         E           20230501         0850         2.5         E           20230501         0900         2.5         E           20230501         0920         2.5         E           20230501         0930         2.8         E           20230501         0940         2.5         E           20230501         0940         2.5         E           20230501         1000         2.8         E           20230501         1000         2.8         E           20230501         1000         2.8         E           20230501         100         2.5         ESE           20230501         100         2.5         E           20230501         100         2.8         E           20230501         100         2.8         E           20230501         100         3.1         ENE           20230501         110         2.8         E           20230501         110         3.1         E           20230501         1130         3.1         E	20230501_0820	2.5	
2023050         0850         2.8         E           20230501         0900         2.5         E           20230501         0910         2.5         E           20230501         0920         2.5         E           20230501         0930         2.8         E           20230501         0930         2.8         E           20230501         0950         3.1         E           20230501         1000         2.8         E           20230501         1010         2.5         ENE           20230501         1020         2.5         E           20230501         1030         2.8         E           20230501         1040         2.5         E           20230501         1050         2.8         E           20230501         100         3.1         ENE           20230501         1100         3.1         ENE           20230501         1100         2.8         E           20230501         1100         2.8         E           20230501         1100         2.8         E           20230501         1120         3.1         E <tr< td=""><td>20230501_0840</td><td></td><td></td></tr<>	20230501_0840		
2023050_0900         2.5         E           20230501_0910         2.5         E           20230501_0920         2.5         E           20230501_0930         2.8         E           20230501_0930         2.8         E           20230501_0940         2.5         E           20230501_0000         2.8         E           20230501_1000         2.8         E           20230501_1000         2.5         ENE           20230501_1020         2.5         ESE           20230501_1030         2.8         E           20230501_1040         2.5         E           20230501_1100         3.1         ENE           20230501_1100         3.1         ENE           20230501_1110         2.8         E           20230501_1110         2.8         E           20230501_1120         3.1         E           20230501_1140         2.8         E           20230501_1140         2.8         E           20230501_1140         2.8         E	20230501 0850	2.8	
2023050.0910         2.5         E           2023050.0920         2.5         E           2023050.0930         2.8         E           2023050.0940         2.5         E           2023050.0940         2.5         E           2023050.0940         2.5         E           2023050.0940         2.8         E           2023050.0940         2.8         E           2023050.0940         2.5         ENE           2023050.000         2.5         ESE           2023050.0100         2.5         E           2023050.0100         2.8         E           2023050.0100         2.8         E           2023050.0100         2.8         E           2023050.0100         2.8         E           2023050.0100         3.1         ENE           2023050.0100         3.1         E           2023050.0110         3.1         E           2023050.01130         2.8         E           2023050.01130         2.8         E           2023050.01140         2.8         E	20230501_0900	2.5	E
20230501 0940         2.8         E           20230501 0940         2.5         E           20230501 0950         3.1         E           20230501 0950         3.1         E           20230501 1000         2.8         E           20230501 1010         2.5         ESE           20230501 1030         2.8         E           20230501 1030         2.8         E           20230501 1030         2.8         E           20230501 1040         2.5         E           20230501 1100         3.1         ENE           20230501 1100         3.1         E           20230501 1140         2.8         E           20230501 1140         2.8         E           20230501 1140         2.8         E	20230501 0910		E
20230501         0940         2.5         E           20230501         0950         3.1         E           20230501         1000         2.8         E           20230501         1010         2.5         ENE           20230501         1020         2.5         ESE           20230501         1030         2.8         E           20230501         1040         2.5         E           20230501         1050         2.8         E           20230501         1100         3.1         ENE           20230501         1100         3.1         ENE           20230501         1100         2.8         E           20230501         1100         2.8         E           20230501         1120         3.1         E           20230501         1130         2.8         E           20230501         1140         2.8         E			
20230501 0950         3.1         E           20230501 1000         2.8         E           20230501 1010         2.5         ENE           20230501 1010         2.5         ENE           20230501 1020         2.5         ESE           20230501 1030         2.8         E           20230501 1050         2.8         E           20230501 1050         2.8         E           20230501 100         3.1         ENE           20230501 110         2.8         E           20230501 110         2.8         E           20230501 110         3.1         E           20230501 110         2.8         E           20230501 110         2.8         E           20230501 1140         2.8         E           20230501 1140         2.8         E			
20230501         1000         2.8         E           20230501         1010         2.5         ENE           20230501         1020         2.5         ESE           20230501         1030         2.8         E           20230501         1040         2.5         E           20230501         1050         2.8         E           20230501         1050         2.8         E           20230501         1100         3.1         ENE           20230501         1100         2.8         E           20230501         110         2.8         E           20230501         110         2.8         E           20230501         1120         3.1         E           20230501         1130         2.8         E           20230501         1140         2.8         E	20230501_0940		
20230501         1010         2.5         ENE           20230501         1020         2.5         ESE           20230501         1030         2.8         E           20230501         1050         2.8         E           20230501         1050         2.8         E           20230501         1050         2.8         E           20230501         1100         3.1         ENE           20230501         110         2.8         ENE           20230501         1120         3.1         E           20230501         1130         2.8         E           20230501         1140         2.8         E	20230501_0950		
20230501         1020         2.5         ESE           20230501         1030         2.8         E           20230501         1040         2.5         E           20230501         1050         2.8         E           20230501         1050         2.8         E           20230501         1100         3.1         ENE           20230501         1110         2.8         E           20230501         1130         3.1         E           20230501         1130         2.8         E           20230501         1140         2.8         E	20230501_1010	2.5	
20230501_1040         2.5         E           20230501_1050         2.8         E           20230501_1100         3.1         ENE           20230501_1100         3.1         ENE           20230501_1100         3.1         E           20230501_1100         3.1         E           20230501_1120         3.1         E           20230501_1130         2.8         E           20230501_1140         2.8         E	20230501 1020		ESE
20230501         1050         2.8         E           20230501         1100         3.1         ENE           20230501         1110         2.8         ENE           20230501         1120         3.1         E           20230501         1130         2.8         E           20230501         1140         2.8         E	20230501_1030	2.8	
20230501         1100         3.1         ENE           20230501         1110         2.8         ENE           20230501         1120         3.1         E           20230501         1130         2.8         E           20230501         1140         2.8         E			
20230501_1110         2.8         ENE           20230501_1120         3.1         E           20230501_1130         2.8         E           20230501_1140         2.8         E			
20230501 1120 3.1 E 20230501 1130 2.8 E 20230501 1140 2.8 E		2.1	
20230501_1130 2.8 E 20230501_1140 2.8 E			
20230501_1140 2.8 E	20230501 1130	2.8	
20230501_1150 2.5 E	20230501_1140	2.8	E
	20230501_1150	2.5	E

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (From)
20230501 1200	3.1	Е
20230501 1210	3,3	E
20230501_1210	3.3	
		E
20230501_1230	3.3	E
20230501_1240	3.1	ENE
20230501 1250	3.6	E
20230501 1300	2.8	Е
20230501 1310	3.9	E
20230501_1320	3.1	E
20230501_1320	3.3	ESE
20230501_1340	3.1	E
20230501_1350	2.8	ESE
20230501_1400	3.3	E
20230501 1410	2.8	ESE
20230501 1420	3.3	SE
20230501_1430	3.3	ESE
20230501 1450	2.8	E
20230501_1450	3.3	E
20230501_1500	3.3	ESE
20230501_1510	3.6	E
20230501 1520	2.8	ESE
20230501 1530	2.8	SE
20230501 1550	3.1	ESE
20230501_1540		ESE
	3.1	
20230501 1600	4.2	E
20230501_1610	4.2	ESE
20230501_1620	3.3	ESE
20230501 1630	3.3	ESE
20230501 1640	3.3	ESE
20230501 1650	3.9	SE
20230501_1050	3.6	SE
20230501 1710	3.1	ESE
20230501_1720	2.8	ESE
20230501_1730	2.8	ESE
20230501 1740	3.1	ESE
20230501 1750	2.5	ESE
20230501 1800	2.8	ESE
20230501_1810	1.9	SE
20230501 1810	1.7	E
20230501_1830	1.4	ESE
20230501_1840	2.2	ESE
20230501_1850	2.8	ESE
20230501_1900	1.1	SE
20230501 1910	1.7	ESE
20230501 1920	1.4	SE
20230501_1920	2.5	SE
20230501_1950	1.7	SE
20230501_1950	2.5	SE
20230501_2000	3.1	SE
20230501_2010	3.1	ESE
20230501 2020	4.2	ESE
20230501 2030	4.7	ESE
20230501 2040	4.7	SE
20230501_2040	4.4	SE
20230501_2100	5	SE
20230501_2110	3.9	SE
20230501_2120	3.9	SE
20230501_2130	4.4	SE
20230501_2140	3.9	SE
20230501 2150	3.1	SE
20230501 2200	2.8	SE
20230501_2200	3.1	ESE
20230501_2210	3.9	SE
20230501_2230	3.9	SE
20230501_2240	3.6	ESE
20230501_2250	3.3	SE
20230501 2300	3.9	SE
20230501 2310	4.7	SE
20230501 2320	4.7	SE
20230501_2320	4.7	ESE
20230501 2340	4.7	SE
20230501_2350	4.4	SE

Wind Speed (m/s)           (YYYYMMBB HHMM)         Wind Speed (m/s)           20230502 0000         4.7           20230502 0010         3.9           20230502 0010         3.9           20230502 0010         3.9           20230502 0010         3.3           20230502 0040         3.3           20230502 0100         2.8           20230502 0100         3.3           20230502 0100         3.3           20230502 0140         2.8           20230502 0150         3.3           20230502 0150         3.3           20230502 0150         3.3           20230502 0150         2.8           20230502 0200         2.8           20230502 0210         2.5           20230502 0230         3.1	Wind Direction (From)           SE           SE           ESE           SE           SE
20230502         0010         3.9           20230502         0020         3.9           20230502         0040         3.3           20230502         0040         3.3           20230502         0040         3.3           20230502         0100         2.8           20230502         0100         2.8           20230502         0120         3.3           20230502         0130         3.9           20230502         0140         2.8           20230502         0150         3.3           20230502         0150         2.8           20230502         0150         3.3           20230502         0150         3.3           20230502         0200         2.8           20230502         0200         2.8           20230502         0210         2.5           20230502         0200         2.8           20230502         0200         2.8	SE           SE           ESE           SE           SE
20230502 0020         3.9           20230502 0030         3.6           20230502 0040         3.3           20230502 0040         3.3           20230502 0050         3.3           20230502 0100         2.8           20230502 0110         3.3           20230502 0120         3.3           20230502 0140         3.9           20230502 0140         2.8           20230502 0150         3.3           20230502 0200         2.8           20230502 0210         2.5           20230502 0220         2.8	SE           ESE           SE           ESE
20230502         0040         3.3           20230502         0050         3.3           20230502         0100         2.8           20230502         0100         3.3           20230502         0110         3.3           20230502         0120         3.3           20230502         0130         3.9           20230502         0140         2.8           20230502         0150         3.3           20230502         0150         3.3           20230502         0200         2.8           20230502         0210         2.5           20230502         0220         2.8	SE
20230502         0050         3.3           20230502         0100         2.8           20230502         0110         3.3           20230502         0120         3.3           20230502         0120         3.3           20230502         0130         3.9           20230502         0140         2.8           20230502         0150         3.3           20230502         0200         2.8           20230502         0210         2.5           20230502         0220         2.8	SE
20230502 0100         2.8           20230502 0110         3.3           20230502 0120         3.3           20230502 0120         3.3           20230502 0120         3.3           20230502 0140         2.8           20230502 0150         3.3           20230502 0150         3.3           20230502 0150         2.8           20230502 0210         2.5           20230502 0220         2.8	SE
20230502         0110         3.3           20230502         0120         3.3           20230502         0130         3.9           20230502         0140         2.8           20230502         0150         3.3           20230502         0200         2.8           20230502         0210         2.5           20230502         0220         2.8	SE
20230502         0120         3.3           20230502         0130         3.9           20230502         0140         2.8           20230502         0150         3.3           20230502         0200         2.8           20230502         0210         2.5           20230502         0210         2.5           20230502         020         2.8	SE SE SE SE SE SE SE ESE
20230502_0140         2.8           20230502_0150         3.3           20230502_0200         2.8           20230502_0210         2.5           20230502_0220         2.8	SE SE SE ESE
20230502_0140         2.8           20230502_0150         3.3           20230502_0200         2.8           20230502_0210         2.5           20230502_0220         2.8	SE SE SE ESE
20230502         0200         2.8           20230502         0210         2.5           20230502         0220         2.8	SE ESE
20230502_0210 2.5 20230502_0220 2.8	SE ESE
20230502_0220 2.8	ESE
20230502_0240 3.3	ESE
20230502_0250 3.3	SE
20230502_0300 4.7	SE SE
20230502_0310 4.2	
20230502_0320 3.3	ESE
<u>20230502 0330</u> 20230502_0340 3.3	SE SE
20230502_0340 5.5 20230502_0350 2.5	SE
20230502 0400 3.9	SE
20230502_0410 4.2	SE
20230502_0420 3.9	SE
20230502 0430 3.3	ESE
20230502_0440 3.3 20230502_0450 3.3	ESE SE
20230502_0450 3.3 20230502_0500 4.7	SE
20230502_0500 4.7	SE
20230502 0520 4.4	SE
20230502_0530 4.2	SE
20230502_0540 3.3	ESE
20230502_0550 3.9	ESE
20230502 0600 3.3 20230502 0610 3.6	ESE
20230502 0610 3.6 20230502 0620 3.9	ESE
20230502_0020 5.9	ESE
20230502 0640 3.9	ESE
20230502_0650 3.9	ESE
20230502_0700 2.2	-
<u>20230502_0710</u> 2.8 20230502_0720 3.3	SE
20230502_0720 3.3 20230502_0730 2.8	ESE SE
20230502_0730 2.8 20230502_0740 2.2	SE
20230502_0750 2.2	ESE
20230502_0800 2.5	ESE
20230502_0810 2.8 20230502_0820 3.3	ESE
<u>20230502_0820</u> 20230502_0830 3.9	ESE
20230502_0830 5.9 20230502_0840 3.3	ESE
20230502 0850 3,3	ESE
20230502_0900 3.6	ESE
20230502 0910 3.3	ESE
20230502 0920 3.9	ESE
20230502_0930 2.8 20230502_0940 3.1	ESE
20230502 0940 3.1 20230502 0950 3.1	ESE
20230502_0930 5.1 20230502_1000 2.8	ESE
20230502_1010 2.8	ESE
20230502 1020 2.8	ESE
20230502_1030 3.3	ESE
20230502_1040 2.5	ESE
<u>20230502_1050</u> 2.2 20230502_1100 2.5	E
20230502 1100 2.5 20230502_1110 2.8	ENE
20230502_1110 2.8	E
20230502 1130 2.8	E
20230502_1140 3.1	E
20230502_1150 2.5	ESE

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (From)
20230502_1200	3.3	E
20230502 1210	3.3	ENE
20230502 1220	2.8	ENE
20230502 1220 20230502_1230	2.8	ENE
20230502 1240	2.8	ENE
20230502_1250	2.5	E
20230502_1250	2.5	ENE
20230502_1310	2.8	ENE
20230502_1320	3.1	ENE
20230502_1330	2.8	E
20230502_1340	2.5	E
20230502_1350	2.5	E
20230502_1400	2.2	E
20230502_1410	2.8	E
20230502_1420	2.2	E
20230502 1430	2.5	Е
20230502_1440	2.8	Ē
20230502_1450	2.5	Ē
20230502_1450	2.8	ENE
20230502_1500	2.8	ENE
20220202_1210	3.3	E
20230502_1520		
20230502 1530 20230502 1540	2.8	ENE
20230502_1540		E
20230502_1550	2.8	E
20230502_1600	2.5	E
20230502_1610	2.8	E
20230502_1620	1.7	ENE
20230502_1630	2.2	E
20230502_1640	2.8	ENE
20230502 1650	3.1	E
20230502_1700	2.5	E
20230502 1710	2.5	ENE
20230502 1710	2.2	E
20230502_1720	1.9	E
20230502_1750	2.2	E
20230502_1740 20230502_1750	2.2	E
20230302_1730		
20230502_1800	2.5	ESE
20230502 1810	2.2	E
20230502_1820	1.7	E
20230502_1830	1.7	E
20230502_1840	1.9	ESE
20230502_1850	1.4	ESE
20230502_1900	0.8	SE
20230502_1910	0.3	ESE
20230502_1920	0.3	ENE
20230502_1930	0.6	ENE
20230502 1940	0.8	E
20230502 1950	1.1	Ē
20230502_2000	1.1	E
20230502_2010	1.1	ESE
20230502_2020	1.1	E
20230502 2020	1.1	E
20230502_2050	1.4	E
20230502 2050	1.1	E
20230502_2030	1.1	ESE
20230502_2110	1.4	ESE
20230502 2120 20230502_2130	1.1	SE SE
20230502_2130	1.4	SE
20230502_2140	1.4	ESE
20230502_2150	1.7	ESE
20230502_2200	1.9	SE
20230502_2210	1.4	SE
00000500 0000	1.1	SE
20230502 2230	0.8	ESE
20230502_2240	0.8	SE
20230502_2210	1.4	SE
20230502_2230	1.4	SE
20230502 2220 20230502 2230 20230502 2240 20230502 2250 20230502 2300 20230502 2310 20230502 2310		
20230502_2310	1.1	ESE
20230302 2320	1.1	E
20230502 2330	1.1	E
20230502_2340	1.4	ESE
20230502_2350	1.4	ESE

Date & Time	Wind Speed (m/s)	Wind Direction (From)
(YYYYMMBB HHMM)		1
20230503_0000 20230503_0010	0.3 0.8	S SSE
20230503_0020	0.8	SE
20230503 0030	1.4	ESE
20230503_0040	1.7	E
20230503_0050	1.1	ESE
20230503_0100	0.8	ESE SE
20230503_0110 20230503_0120	1.1 0.8	ESE
20230503_0120	1.1	SE
20230503_0140	1.1	SE
20230503 0150	1.1	SE
20230503_0200	1.4	ESE
20230503_0210	1.4	ESE
20230503_0220 20230503_0230	1.4	ESE E
20230503_0240	1.7	ESE
20230503 0250	1.4	SE
20230503 0300	1.4	ESE
20230503_0310	1.9	E
20230503_0320	2.2	E
20230503 0330 20230503_0340	1.7 1.1	ESE SE
20230503_0350	0.8	SSE
20230503 0400	0.3	SSE
20230503_0410	0.3	SSE
20230503 0420	1.7	ESE
20230503_0430	1.9 2.2	ESE
20230503_0440 20230503_0450	2.2	ESE ESE
20230503_0400	2.8	ESE
20230503_0510	1.7	ESE
20230503 0520	1.4	ESE
20230503_0530	1.4	E
20230503_0540	1.7 1.7	E
20230503_0550 20230503_0600	1.7	E
20230503_0610	1.9	E
20230503 0620	2.5	Ē
20230503_0630	1.9	E
20230503_0640	2.5	E
20230503_0650 20230503_0700	3.3 3.3	ESE ESE
20230503_0710	2.8	ESE
20230503_0710	3.3	ESE
20230503 0730	3.1	ESE
20230503_0740	2.5	ESE
20230503_0750	2.2	ESE
20230503_0800	2.8	ESE
20230503_0810 20230503_0820	2.8	ESE
20230503 0820	2.0	E
20230503_0840	2.2	ESE
20230503 0850	2.2	ESE
20230503_0900	1.9	ESE
20230503_0910 20230503_0920	1.7	ESE ESE
20230503_0920	2.2	ESE
20230503_0940	2.5	ESE
20230503 0950	2.2	E
20230503_1000	3.1	ESE
20230503_1010	3.3	E
20230503_1020 20230503_1030	3.3 3.1	ESE ESE
20230503_1030	3.1	E
20230503_1050	2.8	E
20230503 1100	2.8	E
20230503_1110	2.2	SE
20230503_1120	2.5	ESE
20230503 1130 20230503 1140	2.2 2.5	SE SE
20230503_1140 20230503_1150	2.5	SE
20230303_1130	2.2	3Ľ

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (From)
20230503 1200	2,5	SSE
20230503 1210	2.2	SE
20230503 1220	2.2	ESE
20230503_1230	3.1	E
20230503_1240	2.8	ESE
20230503 1250	2.8	E
20230503_1300	2.8	E
20230503_1310	2.2	ESE
20230503_1320	3.1	ESE
20230503_1330	3.3	ESE
20230503_1340	3.1	ESE
20230503_1350	2.5	SE
20230503_1400	2.8	SE
20230503_1410	3.3	ESE
20230503_1420	3.1	ESE
20230503 1430	2.2	E
20230503_1440	3.3	ESE
20230503_1450	3.1	ESE
20230503 1500 20230503 1510	2.2	ESE
20230503_1510	3.3	ESE
20230503_1520	3.3	ESE
20230503_1550	3.3	ESE
20230503_1540	2.8	ESE
20230503_1600	2.8	ESE
20230503_1600	3.9	ESE
20230503_1620	3.1	ESE
20230503 1630	3.3	ESE
20230503_1630 20230503_1640	3.9	ESE
20230503_1650	3.3	ESE
20230503_1700	3.9	ESE
20230503 1710	3.1	ESE
20230503_1720	3.3	ESE
20230503_1730	2.8	ESE
20230503_1740	3.9	ESE
20230503_1750	3.3	ESE
20230503_1800	3.3	ESE
20230503_1810	3.1	ESE
20230503_1820		E
20230503_1830	2.8	E
20230503_1840 20230503_1850	3.3	E
20230503_1800	3.3	ESE
20230503 1910	2.5	ESE
20230503_1910	3.3	ESE
20230503 1930	3.1	ESE
20230503 1940	3.6	ESE
20230503 1950	3.1	ESE
20230503 2000	3.3	ESE
20230503 2010	2.8	E
20230503 2020	2.8	ESE
20230503_2030	3.3	E
20230503_2040	2.5	ESE
20230503_2050	2.5	ESE
20230503_2100	1.7	ESE
20230503_2110	1.4	ESE
20230503_2120	1.7	ESE
20230503_2130	1.7	ESE
20230503_2140	2.2	SE
20230503_2150	2.5	SE
20230503_2200 20230503_2210	2.2 2.8	SE ESE
20220502 2220	2.8	ESE
20230503_2220	2.5	ESE
20230503_2230		ESE
20230503_2250	2.2 2.5	ESE
20230503_2200	1.7	ESE
20230503 2220 20230503 2230 20230503 2240 20230503 2250 20230503 2300 20230503 2310 20230503 2310	1.7	ESE
	2.5	ESE
20230503 2330	2.5	E
20230503 2330 20230503 2340 20230503 2350	2.2	ESE
20230503 2350	2.5	ESE

Date & Time	Wind Speed (m/s)	Wind Direction (From)
(YYYYMMBB HHMM)	2.2	ESE
20230504_0000 20230504_0010	2.2	ESE
20230504_0010	2.2	ESE
20230504_0030	2.5 2.2	ESE
20230504_0040	1.7	ESE
20230504_0050	1.7	ESE
20230504_0100	1.9	ESE
20230504_0110	1.9 2.2	ESE ESE
20230504_0120 20230504_0130	2.2	ESE
20230504_0150	2.2	ESE
20230504 0150	3.1	ESE
20230504_0200	3.3	ESE
20230504_0210	3.3	ESE
20230504_0220	3.3	ESE
20230504 0230 20230504 0240	3.3	ESE
20230504_0240	4.2	ESE ESE
20230504_0250	3.3	ESE
20230504 0310	3.1	E
20230504_0320	3.1	Е
20230504 0330	20	E
20230504_0340	2.8	E
20230504_0350 20230504_0400	1.9	ESE
20230504_0400 20230504_0410	2.2 2.8	ESE
20230504_0410 20230504_0420	2.8	ESE
20230504 0430	2.5	ESE
20230504 0440	2.2	E
20230504 0450	2.2	Е
20230504_0500	2.2	ESE
20230504 0510	1.7	ESE
20230504_0520 20230504_0530	1.7	ESE SE
20230504_0530	1.4	SE
20230504_0540	1.4	ESE
20230504_0550	0.3	-
20230504 0610	1.1	SE
20230504_0620	1.7	ESE
20230504_0630	1.9	SE
20230504_0640	2.5 2.2	ESE
20230504_0650 20230504_0700	1.4	ESE ESE
20230504_0700	1.4	ESE
20230504_0710	2.2	ESE
20230504 0730	1.7	ESE
20230504_0740	2.8	ESE
20230504_0750	2.5	ESE
20230504_0800	1.9	E
20230504_0810 20230504_0820	2.2	SE ESE
20230504_0820 20230504_0830	2.2	ESE
20230504_0840	2.5	E
20230504 0850	2.2	E
20230504_0900	2.5	Е
20230504_0910	2.5	E
20230504 0920	2.2	E
20230504_0930	2.5	E
20230504_0940 20230504_0950	2.2	E
20230504_0950 20230504_1000	2.5	E
20230504_1010	1.9	E
20230504 1020	2.8	Е
20230504_1030	1.7	ESE
20230504_1040	2.2	E
20230504_1050	2.8	E
20230504 1100 20230504 1110	3.3	E
	1 11	E
		E
20230504_1120	2.8	E
		E ESE E

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (From)
20230504_1200	3.1	E
20230504_1210	3.3	E
20230504 1220	3.3	E
20230504_1230	3.1	E
20230504 1240	2.8	E
20230504 1250	3,9	Е
20230504 1300	4.2	Ē
20230504 1310	3.9	E
20230504_1320	4.4	E
20230504 1320	4.2	E
20230504_1350		ENE
	5	
20230504_1350	4.2	ENE
20230504_1400	3.3	E
20230504_1410	3.6	E
20230504_1420	3.6	ENE
20230504_1430	3.3	ESE
20230504_1440	3.3	E
20230504_1450	3.9	E
20230504_1500	3.9	E
20230504_1510	3.3	E
20230504 1520	3.3	Е
20230504_1530	3.9	Ē
20230504 1540	3.9	Ē
20230504_1550	3.9	Ē
20230504 1600	3.3	E
20230504 1610	4.4	E
20230504_1620	3.9	E
20230504_1630	4.2	E
	4.2	E
20230504_1640	3.3	ESE
20230504_1650	3.9	
20230504_1700		E
20230504 1710	3.9	E
20230504_1720	3.9	E
20230504_1730	3.3	Е
20230504_1740	2.8	ESE
20230504_1750	3.9	ESE
20230504_1800	3.6	E
20230504_1810	3.3	ESE
20230504_1820	3.3	ESE
20230504 1830	3.3	ESE
20230504 1840	3.3	ESE
20230504 1850	3.1	ESE
20230504 1900	2.2	SE
20230504 1910	2.2	SE
20230504 1920	2.5	SE
20230504 1930	2.5	SE
20230504 1940	2.5	SE
20230504 1950	1.7	SE
20230504_1000	1.9	SE
	2.2	SE
20230504 2020	1.7	SSE
20230504_2030	1.7	SE
20230504_2040		SE
20230504_2050	1.7	SE
20230504_2100	1.7	SE
20230504_2110	1.7	ESE
20230504_2120 20230504_2130	1.7	ESE
20230504_2130	1.7	ESE
20230504_2140	1.7	ESE
20230504_2150	1.4	SE
20230504_2200	1.7	SE
20230504_2210	1.7	SE
20230504 2220	1.1	SE
20230504 2230	1.7	SE
20230504 2240	1.1	SE
20230504 2250	0.8	SE
20230504_2300	11	SE
20230504 2220 20230504 2220 20230504 2230 20230504 2240 20230504 2250 20230504 2250 20230504 2300 20230504 2300	0.3	ESE
20230504_2310	0.5	SSE
20230504_2320		SOE
20230504_2330 20230504_2340	0	SSE
	U	22E

Date & Time	Wind Speed (m/s)	Wind Direction (From)
(YYYYMMBB HHMM)		
20230505_0000	1.1	SSE
20230505_0010	1.1	SSE
20230505_0020	1.7	ESE
20230505_0030	1.1	ESE
20230505_0040	0.8	E
20230505_0050	0.3	WNW W
20230505_0100	0.6	W
20230505_0110	0.3	SSW
20230505_0120	1.1	ESE
20230505_0130	1.7	ESE ESE
20230505_0140	1.4	
20230505_0150 20230505_0200	1.7	ESE
20230505_0200	1.7	SE SE
20230505_0220	1.7	SE
	1.7	SE
20230505 0230 20230505 0240		SE
	1.4	SE
20230505_0250	1.4	SE
20230505 0300 20230505 0310	1.1	
20230505_0320	0.6	ESE
20230505_0320	1.1	ENE
20230505 0330 20230505_0340	0.3	<u>E</u> S
20230505_0340 20230505_0350	0.6	SSE
20230505_0400	0.8	
20230505 0400 20230505 0410	1.1	E
20230505_0410 20230505_0420	0.8	E SE
20230505_0420	2.2	SE
20230505_0430	2.5	ESE
20230505_0440	2.2	SE
20230305_0430	2.2	SE
20230505_0500	2.2	E
20230505 0510 20230505 0520	1.7	ESE
20230305_0520	2.2	ESE
20230505_0530	2.2	ESE
20230505 0540 20230505 0550	2.2	ESE
20230505_0550	2.2	
20230505_0600	2.8	ESE
20230505 0610 20230505 0620	2.8	ESE
20230505_0630	1.4	SE
20230505_0640	1.4	ESE
20230505 0640 20230505 0650	2.2	SE
20230505_0050	1.7	ESE
20230505_0710	2.5	SE
20230505_0710	2.5	ESE
20230505_0720	2.2	ESE
20230505_0740	2.2	ESE
20230505_0740	2.5	ESE
20230505_0750	2.5	ESE
20230505_0800	2.5	ESE
20230505_0820	2.5	ESE
20230505 0820 20230505 0830	2.5	E
20230505_0840	2.5	E
20230505_0850	2.5	ESE
20230505 0850	3.1	ESE
20230505_0900	2.8	ESE
20230505_0910	2.0	ESE
20230505 0920	2.3	ESE
20230505_0940	2.5	E
20230505_0940	2.5	E
20230505 0950	2.5	E
20230505_1000	2.5	ESE
20230505_1010	1.9	SE
20230505 1020	1.9	E
20230505_1050	1.7	S
20230505_1040	2.2	ESE
20230505_1050	1.1	SW
20230505 1100	1.1	SW
20230505_1110 20230505_1120	1.4	SE
20230505_1120	1.4	SE
20230505 1150	2.2	SW

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (From)
20230505_1200	3.1	SW
20230505_1210	3.3	SW
20230505_1220	3.3	SSW
20230505_1230	4.2	SW
20230505_1240	3.9	SW
20230505 1250	3.3	SW
20230505_1300	4.2	SW
20230505_1310	3.3	SW
20230505 1320	3.9	SW
20230505_1330 20230505_1340	2.8	SW
20230505_1350	3.3	SW
20230505 1400	3.9	SW
20230505 1410	3.3	SSW
20230505 1420	3.3	SW
20230505 1430	4.4	SW
20230505_1440	3.9	SW
20230505_1450	4.2	SW
20230505_1500	3.3	SW
20230505_1510	3.6	SW
20230505_1520	3.9	SW
20230505 1530	3.3	SW
20230505_1540	3.3	SSW
20230505_1550	2.8	S
20230505_1600 20230505_1610	3.6 3.9	SSW SW
20230505 1620	3.3	SW
20230505_1630	3.3	SW
20230505 1640	3.9	SSW
20230505 1650	3,3	SW
20230505 1700	3.9	SW
20230505 1710	3,3	SSW
20230505 1720	3.9	SSW
20230505_1730	3.6	SSW
20230505_1740	3.1	SW
20230505_1750	3.3	SSW
20230505_1800	3.6	SW
20230505 1810 20230505 1820	2.8 2.8	SSW SW
20230505 1820	2.5	SSW
20230505_1850	1.7	SSW
20230505 1840	2.2	S
20230505 1900	3.1	S
20230505 1910	2.2	S
20230505_1920	2.5	SE
20230505_1930	2.2	SSE
20230505_1940	1.4	SE
20230505_1950	1.4	SE
20230505_2000	2.2	SSE
20230505_2010	2.2	SSE
20230505 2020	1.4	SE
20230505_2030 20230505_2040	1.4	ESE
20230505_2040	1./	ESE
20230505_2030	1.1	E
20230505_2110	1.7	ESE
20230505 2120	1.1	SE
20230505_2130 20230505_2130 20230505_2140 20230505_2150	1.1	SE
20230505_2140	1.4	ESE
	1.4	SE
20230505_2200 20230505_2210	1.4	ESE
20230505_2210	1.7	ESE
20230505 2220	2.2	ESE ESE
20230505_2230	2.2	ESE
20230505_2240	2.2	ESE
20230505_2250	2.2	ESE
20230505_2210 20230505_2220 20230505_2230 20230505_2240 20230505_2250 20230505_2250 20230505_2300 20230505_2320		ESE
20230505_2310 20230505_2320	1.7	ESE
20230505_2320 20230505_2330	1./	E
20230505_2340	1.9	ESE
20230505_2350	1.4	E

Date & Time	Wind Speed (m/s)	Wind Direction (From)
(YYYYMMBB HHMM) 20230506_0000	1.4	E
20230506_0000	2.2	ESE
20230506_0020	2.2 2.2	ESE
20230506_0030	2.2	E
20230506_0040	1.7	E
20230506_0050 20230506_0100	1.7 1.4	E
20230506_0100	1.4	ESE
20230506_0120	1.1	ESE
20230506_0130	1.7	ESE
20230506_0140	2.2	ESE
20230506_0150	1.4	ESE
20230506_0200	1.7	SE ESE
20230506_0210 20230506_0220	1.1	ESE
20230506 0220	0.8	SE
20230506_0240	0.8	SE
20230506_0250	0.8	SE
20230506_0300	0.8	SE
20230506_0310	1.1	SE
20230506_0320	0.6	SE
20230506_0330 20230506_0340	0.8	SE SE
20230506_0350	1.4	ESE
20230506 0400	1.1	SE
20230506_0410	1.1	ESE
20230506_0420	1.4	ESE
20230506_0430	0.8	SE
20230506_0440	0.8	SE SE
20230506_0450 20230506_0500	0.8	SE
20230506_0500	1.4	ESE
20230506_0520	1.1	ESE
20230506_0530	2.2	E
20230506 0540	2.2	Е
20230506_0550	2.2	ESE
20230506_0600	2.2	ESE
20230506_0610 20230506_0620	1.4	ESE
20230506_0630	1.4	SE
20230506_0640	0.6	ESE
20230506 0650	0.8	SE
20230506 0700	1.1	ESE
20230506_0710	1.1	ESE
20230506_0720 20230506_0730	1.1	SE SE
20230506_0740	1.7	SSE
20230506_0750	1.7	SSE
20230506 0800	1.7	SSE
20230506 0810	2.2	SSE
20230506 0820	1.7	SSE
20230506_0830	1.7	S
20230506_0840 20230506_0850	1.9 2.2	SSW
20230506_0850 20230506_0900	2.2	SSW
20230506_0910	3.9	SSW
20230506_0920	3.3	SSW
20230506_0930	2.8	SSW
20230506_0940	3.3	S
20230506_0950	3.9	SSW
20230506_1000 20230506_1010	3.3 3.3	S SSW
20230506_1010	2.5	SSW
20230506_1020	3.6	SSW
20230506_1040	5	SSW
20230506_1050	4.2	SSW
20230506 1100	4.4	SSW
20230506_1110	4.2	SSW
20230506_1120	4.2	SSW
20230506_1130 20230506_1140	4.2 4.7	SSW

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (From)
20230506_1200	3.3	SW
20230506_1210	4.2	SW
20230506_1220	3.9	SW
20230506_1230	3.3	SW
20230506 1240	3.3	SSW
20230506 1250	4.4	SSW
20230506 1300	4.2	SW
20230506 1310	4.7	SSW
20230506 1320	4.7	SSW
20230506 1330	4.4	SW
20230506 1340	4.7	SSW
20230506_1350	4.2	SW
20230506_1400	3.9	SW
20230506_1410	4.7	SW
20230506 1420	3.9	SW
20230506 1430	3.9	SW
20230506_1440	3.9	SW
20230506_1450	3.9	SW
20230506_1500	3.9	SW
20230506_1510	3.3	SW
20230506_1520	2.8	WSW
20230506_1530	3.1	SW
20230506_1550	2.5	SW
20230506_1550	3.1	SSW
20230506_1550	2.1	SSW
20230506_1600 20230506_1610	2.8 3.3	SSW
20230506_1010	3.3	SW
20230506 1630	3.3	SW
20230506 1640	3.3	SSW
20230506 1650	3.3	SW
20230506_1050	2.8	SSW
20230506_1700	3.1	SW
20230506 1710	3.3	
20230506_1720		SW SW
20230506_1730	2.8	
20230506_1740		SW
20230506_1750	3.3	SSW
20230506_1800	3.3	SSW
20230506_1810	2.5	SW
20230506_1820	2.8	SW
20230506_1830	2.5	SW
20230506_1840	2.5	SSW
20230506_1850	1.7	SW
20230506_1900	1.7	SW
20230506_1910	1.7	SW
20230506_1920	1.4	SSW
20230506_1930	1.4	SSW
20230506_1940	0.6	SW
20230506_1950	1.1	SW
20230506_2000	0.8	SW
20230506_2010	0.8	S
20230506_2020	1.4	SSW
20230506_2030	1.7	SSW
20230506_2040	1.7	SSW
20230506_2050	1.7	SSW
20230506_2100	1.4	SSW
20230506_2110	1.1	SSW
20230506_2120	1.4	SSW
20230506_2130	1.4	SSW
20230506_2140	1.7	SSW
20230506 2150	1.7	SSW
20230506_2200	1.9	SSW
20230506_2210	1.4	S
20230506 2220	0.8	SSE
20230506 2230	1.1	S
20230506 2240	1.1	S
20230506 2250	0.8	SE
20230506 2300	0.3	SSE
20230506 2220 20230506 2230 20230506 2240 20230506 2250 20230506 2300 20230506 2310 20230506 2310	0.3	SSE
	0.3	-
20230506_2330	0.3	SSE
20230506 2330 20230506 2330 20230506 2340 20230506 2350	0.3	-
20230506 2350	0.5	NE

Date & Time	Wind Speed (m/s)	Wind Direction (From)
(YYYYMMBB HHMM)		
20230507_0000 20230507_0010	0.3	ENE
20230507_0010 20230507_0020	0.3	ESE SE
20230507_0020	0.3	SE
20230507_0040	0	-
20230507 0050	0	-
20230507_0100	0	-
20230507 0110	0	-
20230507_0120	0	-
20230507_0130	0	-
20230507_0140	0	-
20230507_0150	0	-
20230507_0200 20230507_0210	0.3	ESE
20230507_0210 20230507_0220	0.5	ESE
20230507_0220	0	-
20230507_0240	0.3	SSE
20230507 0250	0.3	ESE
20230507 0300	0.6	ESE
20230507_0310	0.3	-
20230507_0320	0.6	SE
20230507_0330	0.3	SE
20230507_0340	0.3	ESE
20230507_0350	0.8	ESE
20230507_0400 20230507_0410	0.8 0.3	ESE
20230507_0410	0.5	ENE
20230507_0430	1.1	E
20230507 0440	0.3	ENE
20230507_0450	0	SSE
20230507_0500	0.3	SE
20230507_0510	0.8	ESE
20230507_0520	0.6	E
20230507_0530	0.6	-
20230507_0540 20230507_0550	0.3	ENE
20230507_0530	0.3	SW
20230507_0610	0.3	SW
20230507 0620	0	-
20230507 0630	0.3	ESE
20230507_0640	0.3	WSW
20230507_0650	0	-
20230507_0700	0.3	-
20230507_0710	0.3	NNE
20230507_0720	0.3	SW
20230507_0730 20230507_0740	0.6	SW
20230507_0750	0.3	SE
20230507_0800	0.6	SSW
20230507 0810	0.0	-
20230507 0820	0,3	Е
20230507 0830	0.3	SSE
20230507_0840	0	S
20230507_0850	0	-
20230507_0900	1.1	E
20230507_0910	1.1	E ESE
20230507 0920 20230507 0930	1.4 2.2	ESE
20230507_0940	1.7	ESE
20230507_0940	1.7	SE
20230507 1000	1.9	SE
20230507_1010	1.7	SE
20230507 1020	2.2	SE
20230507_1030	1.7	SSE
20230507_1040	2.5	SE
20230507_1050	3.3	SE
20230507_1100	2.8	SE
20230507_1110 20230507_1120	2.5 2.5	SSE
		SE SE
20230507 1130		
20230507 1130 20230507 1140	1.7 2.2	ESE

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (From)
20230507 1200	1.4	ESE
20230507 1210	0.6	ESE
20230507 1220	0.8	WSW
20230507_1230	5	NW
20230507_1240	2.8	N
20230507 1250	2.5	NW
20230507_1300	0.6	NE
20230507_1310	1.1	SSW
20230507_1320	0.8	W
20230507_1330	0.8	-
20230507_1340	2.5	SW
20230507_1350	3.3	WSW
20230507_1400	1.4	W
20230507_1410	0	ENE
20230507_1420	1.9	E
20230507_1430 20230507_1440	1.4 2.2	SSW SW
20230507_1440 20230507_1450	1.4	WSW
20230507_1500	1.4	SSW
20230507_1510	1.4	S
20230507_1510	0.6	SW
20230507_1530	0.0	51
20230507_1550	1.4	SE
20230507_1550	1.4	SE
20230507_1600	1.7	ESE
20230507_1610	0.8	ESE
20230507 1620	1.7	SE
20230507_1630 20230507_1640	3.1	ESE
20230507_1640	3.3	SE
20230507_1650	2.2	SE
20230507_1700	2.8	SE
20230507 1710	1.1	SE
20230507_1720	1.4	ENE
20230507_1730	0.6	ENE
20230507_1740	1.7	NE
20230507_1750	0.8	WNW
20230507_1800	0.3	WNW
20230507_1810	0.8	NW
20230507_1820	0.8	NNW
20230507_1830	0.8	N
20230507_1840	0.3	NW
20230507_1850 20230507_1900	0.6	SW NW
		NW
20230507_1910 20230507_1920	0.8	NW
20230507_1920	0.8	WNW
20230507_1950	0.8	WNW
20230507_1940	1.4	NW
20230507_1950	1.4	NW
20230507_2000	1.1	NW
20230507_2020	1.4	WSW
20230507 2020	0.8	WNW
20230507 2040	0.3	NNE
20230507 2050	0	-
20230507 2100	0.3	SE
20230507_2110	0.3	S
20230507 2120	0.3	SSW
20230507_2130	0.3	-
20230507_2140	0.3	SE
20230507 2150	0	SE
20230507_2200	0	-
20230507_2210	0	
20230507 2220	0	S
20230507_2230	0	SW
20230507 2220 20230507 2230 20230507 2240 20230507 2250 20230507 2300 20230507 2310	0	
20230507_2250	0.3	SSE
20230507 2300	0.6	NW
20230507_2310	0.3	WNW
	0.3	SE
20230507_2330 20230507_2340 20230507_2350	0.3	SSW
20230507_2340	0.3	N
20230507_2350	1.7	N

Date & Time	Wind Speed (m/s)	Wind Direction (From)
(YYYYMMBB HHMM)		
20230508_0000 20230508_0010	1.9	NNE NNE
20230508_0010 20230508_0020	0.3	ININE
20230508_0020	0.5	-
20230508_0040	0	-
20230508 0050	0	-
20230508_0100	0.8	N
20230508_0110	1.1	N
20230508_0120	1.4	NNE
20230508_0130	1.4	N
20230508_0140 20230508_0150	1.7	NNE
20230508_0150	0.8	NNE
20230508_0200	1.1	NNE
20230508_0220	1.4	N
20230508 0230	0.8	NNW
20230508_0240	1.7	N
20230508_0250	1.7	N
20230508_0300	2.8	N
20230508_0310	1.7	NNE
20230508_0320	1.1	NNE
20230508_0330 20230508_0340	0.3	NE
20230508_0340	0.8	- N
20230508_0550	0.8	NNE
20230508 0410	0.8	NE
20230508 0420	1.1	NNE
20230508 0430	0.6	Ν
20230508_0440	0.3	-
20230508_0450	1.1	N
20230508_0500	1.7	NNE
20230508_0510	0.8	N
20230508_0520 20230508_0530	1.1	N N
20230508_0530	2.2	N
20230508_0540	1.9	N
20230508_0550	3.1	NNE
20230508 0610	2.8	N
20230508_0620	2.2	N
20230508_0630	1.7	N
20230508_0640	2.5	N
20230508_0650	2.5	N
20230508_0700	2.2	N
20230508_0710 20230508_0720	2.2	N N
20230508_0720	3.3	N
20230508_0740	33	NNE
20230508_0740	1.9	N
20230508 0800	1.9	NNE
20230508_0810	0.8	NNW
20230508 0820	0.8	N
20230508_0830	0.3	NE
20230508_0840	0.8	E
20230508_0850	0.3	-
20230508_0900 20230508_0910	0.3	N NNW
20230508_0910 20230508_0920	1.4	NNW
20230508_0920	2.2	N
20230508_0950	2.8	N
20230508 0950	1.7	N
20230508_1000	2.5	Ň
20230508_1010	2.2	N
20230508_1020	2.2	N
20230508_1030	1.7	NNE
20230508_1040	1.1	NNE
20230508_1050	0.8	N
20230508 1100 20230508 1110	0.8	N
	1.1	N
	1 4	
20230508_1120	1.4	N
	1.4 1.7 1.7	N N NNE

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (From)
20230508 1200	2.2	NNE
20230508 1210	1.4	NNE
20230508 1220	2.2	NNE
20230508_1220	2.2	NNE
20230508_1250	2.5	N
20230508_1250	2.5	N
20230508 1250	2.2	N
20230508_1300	2.2	N
20230508_1310	2.8	NNE
20230508_1320	1.7	N
20230508_1350	2.2	N
20230508_1350	2.2	N
	2.8	N
20230508_1400		N
20230508_1410	3.1	
20230508_1420	2.8	NNE
20230508 1430	2.5	NNE
20230508_1440	2.2 2.2	NNE
20230508_1450	2.2	NNE
20230508 1500	1.7	N
20230508_1510	0.8	NNE
20230508_1520	0.8	NNE
20230508_1530	0.3	NW
20230508_1540	0.6	NE
20230508_1550	0.3	N
20230508_1600	0.3	NNE
20230508 1610	1.1	NNE
20230508_1620 20230508_1630 20230508_1630 20230508_1640	1.1	NNE
20230508_1630	0.8	N
20230508 1640	1.1	NNE
20230508 1650	0.8	NE
20230508 1700	0.3	Е
20230508_1710	0	Ē
20230508 1720	0	-
20230508_1730	0	SW
20230508 1740	0	WSW
20230508 1750	0.3	NNW
20230508_1800	0.8	NNW
20230508_1810	11	N
20230508_1810	1.1	N
20230508_1820	0.8	NNE
20230508_1850	0.8	ININE
20230508_1850	0	-
20230508_1900	0	
20230508_1900	0.3	NE
20230508_1910	0.3	NE
20230508_1920	0.3	
20230508_1930	0.3	Е
		-
20230508_1950	0	
20230508_2000	0.3	NE
20230508_2010	0	-
20230508 2020	0	N
20230508_2030	0	SW
20230508_2040	0	SW
20230508 2050	0	SSE
20230508_2100	0	SSE
20230508_2110	0	SW
20230508_2120	0	N
20230508_2130	0	
20230508_2140	0	-
20230508_2150	0	-
20230508_2200	0.3	ENE
20230508_2210	0.6	E
20220508 2220	1.1	ESE
20230508_2230	2.2	ESE
20230508 2220 20230508 2230 20230508 2240 20230508 2250 20230508 2300 20230508 2310	2.2 1.7	ESE
20230508_2250	1.4	ESE
20230508_2300	1.7	ESE
20230508_2310	1.7	E
20230508_2320	1.7	E
20230508_2320	1.7	E
	1.4	12
20230508 2330 20230508 2340 20230508 2350	1.1	ESE

Date & Time	Wind Speed (m/s)	Wind Direction (From)
(YYYYMMBB HHMM)		
20230509_0000	2.2	SE
20230509_0010 20230509_0020	1.9	ESE ESE
20230509_0020	1.4	E3E
20230509_0030	1.4	E
20230509 0040	0.8	Ē
20230509 0050	1.1	SE
20230509_0100	1.1	SE
20230509_0110	1.1	SE
20230509_0120	0.6	SE
20230509_0130	0.6	E
20230509_0140	0.6	ESE
20230509_0150 20230509_0200	1.7	E
20230509_0200	1.1	ENE
20230509_0210	1.1	ENE
20230509 0220	1.7	ENE
20230509 0240	1.4	ENE
20230509 0250	1.4	ENE
20230509 0300	1.4	ENE
20230509_0310	1.4	ENE
20230509_0320	1.7	ENE
20230509_0330	1.7	E
20230509_0340	1.1	ENE
20230509 0350	1.7	ENE
20230509_0400	1.9	ENE
20230509_0410	2.2	ENE
20230509_0420 20230509_0430	1.7	E ESE
20230509_0440	1.1	E
20230509_0450	1.7	E
20230509_0490	1.1	ESE
20230509 0510	1.4	SE
20230509 0520	1.1	SE
20230509 0530	0.3	E
20230509_0540	1.9	ESE
20230509_0550	0.8	-
20230509_0600	1.7	ESE
20230509_0610	1.4	E
20230509_0620	0.8	E
20230509_0630	0.8	E
20230509_0640 20230509_0650	0.8	E
20230509_0000	1.1 1.4	E ESE
20230509_0700	2.5	SE
20230509_0710	1.4	ENE
20230509_0720	1.1	ESE
20230509 0740	1.1	ESE
20230509 0750	2.2	SE
20230509_0800	1.4	ESE
20230509 0810	1.1	E
20230509_0820	1.4	E
20230509_0830	2.8	E
20230509_0840	2.8	ESE
20230509_0850	2.2	SE
20230509_0900	2.2	E
20230509_0910 20230509_0920	1.4 1.7	E E
20230307_0720		
20230509 0930	25	H
20230509_0930	2.5	E
20230509_0940	3.1	E
20230509_0940 20230509_0950	3.1 2.2 2.8	E ENE E
20230509 0940 20230509_0950 20230509_1000 20230509 1010	3.1 2.2 2.8	E ENE E ESE
20230509 0940 20230509 0950 20230509 1000 20230509 1010 20230509 1020	3.1 2.2 2.8 2.8 3.3	E ENE E ESE E
20230509 0940 20230509 0950 20230509 1000 20230509 1010 20230509 1020 20230509 1020	3.1 2.2 2.8 2.8 3.3 2.8	E ENE E ESE E E E
20230509 0940 20230509 0950 20230509 1000 20230509 1010 20230509 1010 20230509 1030 20230509 1040	3.1 2.2 2.8 2.8 3.3 2.8 3.1	E ENE E ESE E E E E E
20230509_0940 20230509_0950 20230509_1000 20230509_1010 20230509_1020 20230509_1020 20230509_1030 20230509_1040 20230509_1050	3.1 2.2 2.8 2.8 3.3 2.8 3.1	E ENE E ESE E E E E E E
20230509 0940 20230509 0950 20230509 1000 20230509 1000 20230509 1020 20230509 1030 20230509 1030 20230509 1040 20230509 1050 20230509 1100	3.1 2.2 2.8 3.3 2.8 3.1 2.5 3.3 3.3	E ENE ESE E E E E E E E E
20230509 0940 20230509 0950 20230509 1000 20230509 1010 20230509 1020 20230509 1030 20230509 1030 20230509 1040 20230509 1050 20230509 1100 20230509 1110	3.1 2.2 2.8 2.8 3.3 2.8 3.1 2.5 3.1 2.5 3.3 3.6	E ENE E E E E E E E E E E E E
20230509 0940 20230509 0950 20230509 1000 20230509 1010 20230509 1020 20230509 1030 20230509 1030 20230509 1050 20230509 1100 20230509 1110 20230509 1110	3.1 2.2 2.8 3.3 2.8 3.1 2.5 3.3 3.6 2.8	E ENE E E E E E E E E E E E E
20230509 0940 20230509 0950 20230509 1000 20230509 1010 20230509 1020 20230509 1020 20230509 1030 20230509 1040 20230509 1050 20230509 1100 20230509 1110	3.1 2.2 2.8 2.8 3.3 2.8 3.1 2.5 3.1 2.5 3.3 3.6	E ENE E E E E E E E E E E E E

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (From)
20230509 1200	2.5	ESE
20230509_1210	2.8	ESE
20230509 1220	2.8	ESE
20230509_1230	2.5	ESE
20230509_1240	1.9	ESE
20230509 1250	2.2	E
20230509_1300	3.3	ESE
20230509_1310	2.5	E
20230509_1320 20230509_1330	2.8	E
20230509_1340	3.1	E
20230509_1340	2.8	ESE
20230509 1400	3.1	ESE
20230509 1410	2.8	SE
20230509 1420	4.2	E
20230509_1430	3.3	ESE
20230509_1440	3.1	ESE
20230509_1450	3.3	ENE
20230509 1500	2.8	SE
20230509_1510	2.8	ESE
20230509_1520	3.9	E
20230509_1530 20230509_1540	3.3 3.3	E ESE
20230509_1550	2.8	ESE
20230509_1550	3.6	E
20230509 1610	3.1	Ē
20230509 1620	2.8	Е
20230509_1630	3.3	E
20230509_1640	3.3	E
20230509_1650	2.8	E
20230509_1700	3.3	E
20230509 1710 20230509 1720	3.1 3.3	E ESE
20230509_1720 20230509_1730	2.8	E
20230509_1750	2.5	E
20230509 1740	1.7	ESE
20230509 1800	2.2	ESE
20230509 1810	2.5	ESE
20230509_1820	2.5	E
20230509_1830	1.9	ESE
20230509 1840	1.9	ESE
20230509_1850	1.4	ESE
20230509_1900 20230509_1910	1.4	SE ESE
20230509 1910	1.7	ESE
20230509_1920	1.7	E
20230509 1940	1.4	ESE
20230509 1950	1.1	-
20230509_2000	2.2	ESE
20230509_2010	1.7	SE
20230509 2020	2.2	ESE
20230509_2030	2.2	SSE
20230509_2040	1.9	SE
20230509 2050	2.5	ESE
20230509_2100 20230509_2110	1.9 2.2	SE SE
20230509_2110 20230509_2120	2.2	SE
20230509_2120	2.8	SE
20230509_2130 20230509_2140	2.8	SE
20230509_2150	3.3	SE
20230509 2200	2.8	SE
20230509_2210	2.2	ESE
20230509_2220	2.5	ESE ESE
20230509_2220 20230509_2230 20230509_2240	2.8	ESE
20230509_2240	2.2	ESE
20230509_2250	2.2 2.5	SE
20230509_2240 20230509_2250 20230509_2300 20230509_2310	2.5 2.8	SE SE
20230509_2320	2.8	SE
20230509_2320	2.5	SE
20230509_2340	3.1	SE
20230509_2350	2.8	ESE

Date & Time	Wind Speed (m/s)	Wind Direction (From)
(YYYYMMBB HHMM) 20230510_0000	3.3	ESE
20230510_0000	3.9	SE
20230510 0020	4.2	
20230510_0030	3.9	ESE ESE
20230510_0030	3.3	ESE
20230510_0040	4.2	ESE
20230510_0050 20230510_0100	3.9	ESE ESE
20230510_0100	4.4	ESE
20230510_0110	4.2	ESE
20230510_0120	3.9	ESE
20230510 0140	3.3	SE
20230510_0150	3.3	ESE
20230510_0200	3.6	ESE
20230510_0210	3.3	SE
20230510 0220 20230510 0230	3.9 2.5	ESE
20230510_0230	2.5	ESE
20230510_0240	3.1	ESE
20230510 0300	2.8	ESE
20230510_0300	2.8	ESE
20230510_0320	2.5	ESE
20230510_0330	2.8	ESE
20230510_0340	2.5	ESE
20230510_0350	2.5	E
20230510_0400 20230510_0410	3.3 3.1	ESE
20230510_0410	2.8	ESE
20230510_0420	2.8	ESE
20230510_0440	2.2 3.3	E
20230510_0450	3.3	ESE
20230510_0500	3.3 2.5	ESE
20230510_0510	2.5	ESE
20230510_0520	2.8	ESE
20230510 0530 20230510_0540	3.3 2.5	ESE
20230510_0540	2.2	ESE
20230510_0550	2.2	E
20230510 0610	2.2 3.3	ESE
20230510 0620	3.3	ESE
20230510 0630	3.1	ESE
20230510_0640	3.1	ESE
20230510_0650	2.5	ESE
20230510_0700 20230510_0710	2.8	ESE
20230510_0710	2.8	ESE
20230510_0730	3.1	ESE
20230510_0740	3.3	ESE
20230510_0750	3.6	ESE
20230510_0800	4.4	ESE
20230510 0810	4.7	ESE
20230510_0820	3.6	ESE
20230510_0830	3.6	ESE
20230510 0840 20230510 0850	3.3 2.8	ESE
20230510_0800	3.1	E
20230510_0910	2.8	E
20230510_0920	3.9	ESE
20230510_0930	4.2	ESE
20230510 0940	3.3	E
20230510_0950	3.9	E
20230510_1000	4.4	ESE
20230510_1010 20230510_1020	3.3 3.3	ESE
20230510_1020	3.3	ESE
20230510_1030	4.2	ESE
20230510_1050	4.4	ESE
20230510_1100	4.7	ESE
20230510_1110	3.9	ESE
20230510_1120	4.2	ESE
20230510_1130	2.8	SE
20230510_1140	3.1	ESE
20230510_1150	2.8	SE

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (From)
20230510 1200	4.2	SE
20230510_1210	4.2	SE
20230510 1220	4.7	SE
20230510 1230	4.2	SE
20230510 1240	4.2	ESE
20230510 1250	4.2	SE
20230510 1300	3.3	ESE
20230510 1310	3.3	ESE
20230510_1320	3.3	ESE
20230510 1330	4.4	ESE
20230510 1340	4.2	ESE
20230510_1350	4.7	ESE
20230510 1550	4.7	ESE
20230510_1410	4.2	ESE
20230510_1410	3.9	ESE
20230510_1420	4.2	ESE
20230510_1430	4.2	ESE
	4.7	
20230510_1450	4.7	E
20230510_1500	4.7	E
20230510_1510	4.7	ESE
20230510_1520	3.3	ESE
20230510_1530	3.9	ESE
20230510_1540	3.9	E
20230510_1550	3.9	ESE
20230510_1600	3.3	ESE
20230510_1610	3.3	SE
20230510_1620	2.8	ESE
20230510_1630	3.1	E
20230510_1640	3.3	ESE
20230510_1650	3.3	ESE
20230510_1700	3.3	ESE
20230510 1710	3.6	ESE
20230510 1720	3.3	ESE
20230510_1730	3.3	ESE
20230510 1740	2.5	ESE
20230510_1750	2.5	ESE
20230510_1800	2.8	SE
20230510 1810	3,3	ESE
20230510 1820	2.5	SE
20230510 1830	2.8	SE
20230510_1840	2.5	SE
20230510 1850	2.2	ESE
20230510 1900	1.4	-
20230510 1910	1.4	SE
20230510 1920	2.2	SSE
20230510_1920	2.5	SE
20230510_1940	2.5	SE
20230510_1940	2.5	ESE
20230510_1930	1.4	SE
	1.4	
20230510_2010		ESE
20230510 2020	2.5	ESE
20230510_2030	2.8	SE
20230510_2040	2.5	SE
20230510_2050	1.7	SE
20230510_2100	2.5	SE
20230510_2110	1.9	SE
20230510_2120 20230510_2130	1.1	ESE
20230510_2130	2.5	ESE
20230510_2140	2.2	ESE
20230510_2150	2.5	ESE
20230510_2200	2.2	ESE
20230510_2210	2.2	ESE
	2.5	ESE
20230510 2220 20230510_2230 20230510_2240 20230510_2250 20230510_2300	1.9	ESE
20230510 2240	2.5	SE
20230510 2250	2.2	SE
20230510 2300	1.7	ESE
20230510 2310	2.2	SE
20230510_2320	2.5	SE
20230510_2330	2.8	ESE
20230510_2340	2.5	ESE
20230510_2350	2.5	ESE

(YYYYMMBB HHMM) 20230511_0000 20230511_0010 20230511_0020	Wind Speed (m/s)	Wind Direction (From)
20230511 0010		ESE
20230511_0020	1.7	SE
	25	SE
20230511_0030	2.2	SE
20230511 0030	1.9	SE
20230511_0040	1.7	SSE
20230511_0050	1.9	SE
20230511_0100 20230511_0110	2.2	SE
20230511_0110 20230511_0120	2.2 3.3	SE SE
20230511_0120	4.2	SE
20230511_0140	3.9	SE
20230511_0150	3.9	SE
20230511_0200	3.6	SE
20230511_0210	3.1	SE
20230511_0220 20230511_0230	2.8	SE
20230511_0230 20230511_0240	3.3 2.5	SE ESE
20230511_0240	3.9	SE
20230511 0250	3.3	SE
20230511_0310	3.3	SE
20230511_0320	3.3	SE
20230511 0330	2.8	SE
20230511_0340	2.2	ESE
20230511_0350 20230511_0400	3.1	SE
20230511_0400 20230511_0410	2.5 2.2 2.2 1.7	ESE ESE
20230511_0410	2.2	ESE
20230511_0420 20230511_0430	1.7	ESE SE
20230511_0440	1.4	SE
20230511_0450	2.2	SE
20230511_0500	2.5	ESE
20230511_0510	1.7	ESE
20230511_0520	1.7	ESE
20230511_0530 20230511_0540	1.7	ESE
20230511_0540	1.7	E
20230511_0600	1.1	SE
20230511_0610	1.1	SE
20230511_0620	1.1	SE
20230511_0630	0.8	SE
20230511_0640	1.7	SSE
20230511_0650 20230511_0700	1.4 2.2	SE SE
20230511_0700	1.9	SE
20230511_0710	1.7	ESE
20230511 0730	1.7	ESE
20230511_0740	1.7	ESE
20230511_0750	1.7	ESE
20230511_0800	2.5	ESE
20230511_0810	3.3	ESE
20230511_0820 20230511_0830	2.5 3.1	ESE ESE
20230511_0830	2.8	ESE
20230511 0840	3.3	ESE
20230511_0900	4.2	ESE
20230511_0910	3.9	ESE
20230511_0920	3.3	E
20230511_0930	2.8	E
20230511_0940	2.8	E
20230511_0950 20230511_1000	3.3 4.2	E
20230511_1000 20230511_1010	4.2	E
20230511_1010	3.9	ESE
20230511_1020	3.3	E
	3.3	ENE
20230511_1040	3.1	E
20230511_1050		
20230511 1050 20230511_1100	3.1 2.8	E
20230511 1050 20230511_1100 20230511_1110	2.8	E
20230511 1050 20230511 1100 20230511 1110 20230511 1110 20230511 1120	2.8 2.2	E ESE
20230511 1050 20230511_1100 20230511_1110	2.8	E

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (From)
20230511_1200	3.3	E
20230511 1210	3.9	ENE
20230511 1220	3.6	Е
20230511 1230	4.7	ENE
20230511 1240	3.1	E
20230511 1250	3.3	ENE
20230511 1300	3.3	E
20230511_1310	3.3	E
20230511_1320	3.3	ENE
20230511_1330	3.3	E
20230511_1340	3.3	ENE
20230511_1350	2.8	E
20230511_1400	1.7	E
20230511_1410	2.5	E
20230511_1420	2.2	E
20230511 1430	3.1	Ē
20230511_1450	3.1	E
20230511_1450		E
20230511_1430	2.2	
20230511 1500 20230511_1510	2.2 2.8 2.2	E
20230511_1510		E
20230511_1520	2.5	E
20230511_1530	2.2	E
20230511_1540	2.2	ESE
20230511_1550	1.7	E
20230511 1600	2.5	E
20230511 1610	2.5	E
20230511 1620	2.5	E
20230511_1630	2.2	E
20230511_1640	2.5	E
20230511_1010	2.2	ESE
	2.5	ESE
20230511_1700	1.7	
20230511 1710		E
20230511_1720	1.7	E
20230511_1730	1.7	E
20230511_1740	1.7	ESE
20230511_1750	1.4	ESE
20230511_1800	1.7	E
20230511 1810	1.7	E
20230511 1820	1.4	E
20230511 1830	1.4	ENE
20230511 1840	1.4	ENE
20230511 1850	1.7	ENE
20230511_1000	1.4	ENE
20230511_1910 20230511_1920	1.7	ENE
		ENE
20230511_1930	1.4	NE
20230511_1940	0.8	ENE
20230511_1950	0.6	ENE
20230511_2000	0.8	ENE
20230511_2010	0.8	E
20230511_2020	0.8	E
20230511_2030	0.8	ESE
20230511_2040	0.8	SE
20230511 2050	1.1	ESE
20230511 2100	0.8	E
20230511_2110	0.8	ENE
20230511_2110 20230511_2120 20230511_2120 20230511_2130	0.8	
20230511_2120	0.8	ESE
20230511_2130		
20230511_2140	0.8	ENE
20230511 2150	0.6	E
20230511_2200 20230511_2210	0.8	E
	1.1	ESE
20230511 2220	0.8	SE
20230511 2230	0.3	SE
20230511_2240 20230511_2250	0.8	SE
20230511_2250	1.1	E
20230511_2230	1.1	ESE
20230511_2300 20230511_2310		ESE
20230511_2310	0.8	
20230511_2320	0.8	E
20230511 2330	0.8	E
20230511_2340	1.1	ENE
20230511_2350	1.4	ENE

Date & Time	Wind Speed (m/s)	Wind Direction (From)
(YYYYMMBB HHMM) 20230512 0000	1.1	ESE
20230512_0000 20230512_0010 20230512_0020	1.1	SE
20230512_0010	1.1	SE
20230512_0030	0.8	ESE
20230512_0030	1.1	E
20230512_0040	1.4	E
20230512_0050	1.4	ESE
20230512_0100 20230512_0110	0.8	ESE ESE
20230512_0110	0.8	ESE
20230512_0120	0.8	ENE
20230512 0140	0.8	NE
20230512_0150	1.1	ESE
20230512_0200	1.4	ESE
20230512_0210	1.1	ESE
20230512 0220 20230512 0230	1.7 1.1	ESE SE
20230512_0230	0.8	E
20230512_0250	1.4	ESE
20230512_0300	0.8	SE
20230512_0310	0.8	ESE
20230512 0320	0.3	SE
20230512_0330 20230512_0340	0.3 0.8	SE ESE
20230512_0340	0.8	SE
20230512_0530	0.3	ESE
20230512_0410	0.3	NNE
20230512_0420 20230512_0430	0.8	NNE
20230512_0430	0.8	NE
20230512_0440	1.1	NNE
20230512_0450 20230512_0500	1.4	NNE
20230512 0500 20230512 0510	1.7 1.1	NNE NE
20230512_0510	0.8	N
20230512_0530	0.3	N
20230512_0540	0.3	NE
20230512_0550	0.3	N
20230512_0600	0.3	NNW
20230512_0610 20230512_0620	1.4	N NNE
20230512_0620	1.1	N
20230512 0030	0.8	N
20230512 0650	0.6	N
20230512_0700	0.8	N
20230512_0710	1.4	N
20230512_0720	0.8	NNE
20230512 0730 20230512 0740	1.1 1.4	NNE NNE
20230512_0740	0.8	NNE
20230512_0750	1.7	NNE
20230512 0810	1.4	N
20230512_0820	1.4	N
20230512_0830	1.7	N
20230512 0840	1.9 2.2	N NNE
20230512_0850 20230512_0900	2.2	NNE
20230512_0900	2.2	N
20230512_0910	2.2	N
20230512_0930	2.5	NNE
20230512_0940	1.9	NNE
20230512_0950	2.2	N
20230512_1000 20230512_1010	1.7	N NNE
20230512_1010 20230512_1020	1.7 1.7	NNE
20230512_1020	1.7	-
20230512 1040	0.8	NNE
20230512_1040 20230512_1050	0.3	SSE
20230512 1050 20230512_1100	0.3 1.1	SSE E
20230512 1050 20230512_1100 20230512_1110	0.3 1.1 1.7	SSE E ESE
20230512 1050 20230512 1100 20230512 1110 20230512 1110 20230512 1120	0.3 1.1 1.7 1.4	SSE E ESE
20230512 1050 20230512_1100 20230512_1110	0.3 1.1 1.7	SSE E

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (From)
20230512_1200	2.2	ESE
20230512 1210	1.7	Е
20230512 1220	2.2	E
20230512_1230	1.1	NE
20230512_1240	1.7	NE
20230512 1250	1.4	NNE
20230512 1300	1.7	NNE
20230512 1310	2.2	NNE
20230512 1320	2.2	N
20230512_1330	1.7	Ň
20230512_1340	2.5	N
20230512 1350	2.8	N
20230512_1400		NNE
20230512 1410	2.2 2.2	N
20230512 1420	2.2	N
20230512 1430 20230512_1440	2.2	NNE
20230512 1440	1.9	N
20230512 1450	1.7	NNE
20230512 1500		N
20230512 1500 20230512_1510	2.2 2.8	NNE
20230512_1520	2.2	N
20230512 1530	1.9	N
20230512 1540	2.2	N
20230512 1550	1.7	N
20230512 1600	2.5	N
20230512_1610	2.2	N
20230512 1620	2.2	N
20230512 1630	1.4	N
20230512 1640	1.7	N
20230512_1650	1.7	N
20230512 1700	1.9	N
20230512 1710	2.2	N
20230512 1720	1.7	N
20230512 1730	2.5	N
20230512 1740	2.5	NNE
20230512 1750	1.7	N
20230512 1800	1.7	N
20230512 1810	2.2	N
20230512 1820	1.1	N
20230512 1830	1.1	NNW
20230512 1840	1.1	NNW
20230512_1850	1.1	N
20230512_1900	0	-
20230512 1910	0.3	W
20230512_1920	0.3	WNW
20230512_1930	0.3	SSW
20230512_1940	0.3	SSW
20230512_1950	0.3	SSW
20230512_2000	0.3	S
20230512_2010	0.3	SE
20230512 2020	0	-
20230512_2030	0.3	ENE
20230512_2040	0	NE
20230512 2050	0.3	W
20230512_2100	0.3	WNW
20230512_2110	0.3	WSW
20230512 2120	0.6	S
20230512_2130	0	S
20230512 2140	0	-
20230512 2150	0.3	SE SSE
20230512_2200	0.3	SSE
20230512_2210	0.3	NNW
20230512 2220	0.8	NNE
20230512_2230	0.3	-
20230512_2240 20230512_2250	0.3	SSW
20230512 2250	0.3	SSW
20230512 2300	0.3	SW
20230512 2310	0.3	S
20230512_2320	0.6	SSE
20230512 2330	0.6	SE
20230512 2340	0	NE
20230512 2330 20230512_2340 20230512_2350		

Date & Time	Wind Speed (m/s)	Wind Direction (From)
(YYYYMMBB HHMM) 20230513_0000	0	N
20230513 0010	0.3	-
20230513 0020 20230513_0030	0.3	S
20230513_0030	0.8	SW
20230513_0040	0.3	SW
20230513 0050	0	-
20230513_0100	0	-
20230513_0110	0.3	S S
20230513_0120 20230513_0130	0.3	SSW
20230513_0140	0.3	SW
20230513_0150	0.5	SSW
20230513_0200	Ō	-
20230513_0210	0	ESE
20230513_0220	0.3	E
20230513_0230	0.3	NNE
20230513_0240	0	NNW
20230513_0250	0.3	NW
20230513_0300	0.3	SSW
20230513_0310 20230513_0320	0.3	SSW SE
20230513_0320	0.3	SE
20230513 0330 20230513_0340	0.3	SSE
20230513_0350	0.5	-
20230513_0400	0	-
20230513_0400 20230513_0410 20230513_0420	0.3	S
20230513 0420	0.3	SSE
20230513_0430 20230513_0440 20230513_0450	0.3	-
20230513_0440	0	-
20230513_0450	0	-
20230513_0500	0	-
20230513 0510 20230513 0520 20230513 0530	0	-
20230513_0520	0.3	SSE
20230513_0530	0.3	SSE
20230513_0540 20230513_0550	0.3	SE
20230513_0550	0.3	NE
20230513_0610	0.5	SSW
20230513_0620	0.3	S
20230513_0630	0.3	SE
20230513_0630 20230513_0640 20230513_0640 20230513_0650	0	SSE
20230513_0650	0	N
20230513 0700	0.3	N
20230513_0710	0	-
20230513_0720	0	N
20230513_0730	0	SSW
20230513_0740	0	-
20230513_0750	0.3	WNW
20230513_0800 20230513_0810	0.3	NW N
20230513_0810 20230513_0820	0.5	ENE
20230513 0820	0.3	SSE
20230513_0840	0.3	S
20230513_0850	0.3	S
20230513_0900	0.3	SE
20230513 0910	0.3	NNE
20230513 0920	0.8	NNE
20230513_0930	0.3	NE
20230513_0940	0	ENE
20230513_0950	0.3	NE
20230513_1000	0	-
20230513_1010	0	SSW
20230513_1020 20230513_1030	0.3	NNW
20230513_1030	0.3	ININW
20230513_1040 20230513_1050	0.3	N
20230513_1000	0.3	NW
20230513 1100	0.3	NNE
20230513_1110 20230513_1120	0.8	N
20230513_1120	0.8	NNE
20230513_1140 20230513_1150	0.8	NNE

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (From)
20230513_1200	1.4	NNE
20230513_1210	0.3	-
20230513 1220	0.8	NNE
20230513_1230	1.1	NE
20230513 1240	0.6	N
20230513 1250	0.6	SE
20230513 1300	1.1	Е
20230513 1310	1.1	ESE
20230513 1320	1.1	S
20230513 1330	0.8	NE
20230513_1340	0.8	Е
20230513_1350	0.3	ENE
20230513_1400	0.8	N
20230513_1410	1.1	N
20230513 1420	1.4	NNE
20230513 1430	1.1	Ν
20230513_1440	0.8	NNW
20230513 1450	0.8	NNW
20230513 1500	1.1	NNW
20230513_1510	0.6	-
20230513_1520	0.3	N
20230513_1520	0.3	NNE
20230513_1540	0.3	NW
20230513_1550	0.3	WNW
20230513 1600	0	-
20230513 1610	0	SSE
20230513 1620	0	ESE
20230513 1630	0	E
20230513_1640	0.3	S
20230513 1650	0.3	ESE
20230513 1700	0.3	E
20230513 1710	0	NNE
20230513 1720	0	- Inite
20230513_1730	0	_
20230513_1740	1.4	N
20230513 1750	2.2	N
20230513_1750	2.2	N
20230513_1810	1.9	N
20230513 1810	1.7	N
20230513 1830	1.7	N
20230513 1840	1.9	N
20230513 1850	1.7	N
20230513_1900	1.7	N
20230513_1910	1.4	NNW
20230513_1910	1.4	NNW
20230513 1930	1.9	NNW
20230513_1940	2.5	N
20230513_1940	2.2	NNW
20230513_2000	1.1	N
20230513_2010	0.6	NE
20230513_2020	0.3	S
20230513_2020	0.5	SW
20230513_2040	0.8	S
20230513 2050	0.3	SSW
20230513 2000	0.3	WSW
20230513_2100	0.5	S
20230513_2110	0.8	SSW
20230513 2120	0.5	NNE
20230513 2100 20230513 2110 20230513 2120 20230513 2120 20230513 2130 20230513 2140	0.3	NNW
20230513_2140	0.5	TATA AA
20230513_2150	0.6	SE
20230513 2150 20230513 2200 20230513 2210 20230513 2220 20230513 2220 20230513 2230	0.8	S
20230513_2210		
20230313 2220	0.6	NNW NNW
20230313_2230		
20230513_2250 20230513_2240 20230513_2250 20230513_2300	0	NNE
20230513_2250	0	-
20230513_2300 20230513_2310	0.3	SW
20230513_2310	0	-
20230513_2320	0.3	SW
20230513_2330	0	NW
20230513_2340	0	-

Date & Time	Wind Speed (m/s)	Wind Direction (From)
(YYYYMMBB HHMM) 20230514_0000	0	SSE
20230514 0010	0	-
20230514_0020	0.3	S
20230514_0020	0.8	SW
20230514_0030	0.3	-
20230514_0040 20230514_0050	0.3	W NNW
20230514_0000	0.3	N
20230514_0100	0.3	N
20230514 0120	0	-
20230514_0130	0.3	S
20230514_0140	0.6	SSW
20230514_0150	0.8	S
20230514_0200	0.8	S
20230514_0210	0.3	SSW
20230514 0220 20230514 0230	0.3	WNW SW
20230514_0230	0.6	SW
20230514_0240	0.3	SSW
20230514_0300	0	-
20230514_0310	0.3	N
20230514_0320	0.3	NW
20230514_0330	0.3	SW
20230514_0340	0.3	S
20230514_0350	0.3	SE
20230514_0400 20230514_0410	0	- N
20230514_0420	0	E
20230514 0430	0	-
20230514_0440	0.3	SSW
20230514_0450	0	-
20230514_0500	0	
20230514_0510	0.8	NW
20230514_0520 20230514_0530	0.3	N
20230514_0530 20230514_0540	0.3	SW
20230514_0550	0.5	3₩
20230514_0600	0	-
20230514 0610	0	-
20230514_0620	0.3	SSW
20230514_0630	0.3	SSW
20230514_0640	0.3	S
20230514_0650 20230514_0700	0.3	SSE
20230514_0700	0.5	SSE
20230514_0710	1.1	SSE
20230514 0730	0.8	SSE
20230514_0740	0.8	SSE
20230514_0750	0.8	S
20230514_0800	0.8	S
20230514 0810	0.3	S
20230514_0820	0.6	S
20230514_0830 20230514_0840	0.6	SSE
20230514_0840 20230514_0850	0.5	<u>S</u>
20230514_0900	0.3	WNW
20230514_0910	0.3	WSW
20230514_0920	0.3	-
20230514_0930	0.6	NW
20230514_0940	0.8	NNW
20230514_0950	0.8	N
20230514_1000	1.1	NNE
20230514_1010 20230514_1020	0.3	ESE
20230514_1020	0.3	SSE
20230514_1050 20230514_1040	0.5	SSE
20230514 1050	0.8	S
20230514 1100	0.8	SSW
20230514_1110	0.3	WSW
20230514 1120	0	-
20230514_1130 20230514_1140	0	E ESE

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (From)
20230514_1200	1.4	ESE
20230514 1210	0.8	SE
20230514_1220	0.6	ESE
20230514_1230	0.6	ESE
20230514_1240	0.3	ESE
20230514_1250	0.3	NW
20230514_1300	0.3	NW
20230514_1310	1.1	WNW
20230514_1320	0.8	NNW
20230514_1330	0.6	NNW
20230514_1340	0.8	N
20230514_1350	0.3	ENE
20230514_1400	1.1	E
20230514_1410	1.7	SE
20230514_1420	1.4	ESE
20230514 1430 20230514_1440	1.4	ESE
20230514_1440	1.7	ESE
20230514_1450	1.7	ESE
20230514_1500	1.1	E
20230514_1510	1.7	ESE
20230514_1530	1.7	E
20230514 1550	1.7	E
20230514 1550	0.8	ESE
20230514 1600	1.4	ESE
20230514_1610	2.2	ESE
20230514 1620	2.2	ESE
20230514 1630	1.7	ESE
20230514_1640	0.8	ESE
20230514_1650	0.8	SE
20230514_1700	0.8	SSE
20230514_1710	1.1	S
20230514_1720	0.8	SSE
20230514_1730	0.6	ESE
20230514 1740	1.1	E
20230514_1750	0.8	SE
20230514_1800	0.6	SSE
20230514_1810 20230514_1820	0.3	S
20230514_1820	0,3	ESE
20230514_1850	1.1	E
20230514 1850	1.4	Ē
20230514 1900	1.4	ESE
20230514 1910	1.4	ESE
20230514_1920	1.7	ESE
20230514_1930	2.5	ESE
20230514_1940	2.2	ESE
20230514_1950	2.2	Е
20230514_2000	1.7	ESE
20230514_2010	1.9	ESE
20230514 2020	1.9	ESE
20230514_2030	2.2	ESE
20230514_2040	2.2	ESE
20230514_2050	2.2 1.7	ESE
20230514_2100	1./	ESE
20230514_2110	2.2	ESE
20230514 2120 20230514_2130	2.8 2.5	SE SE
20230514_2130 20230514_2140	2.5	SSE
20230514_2150	2.5	SE
20230514_2150	1.9	SE
20230514_2200	1.7	ESE
20230514 2220	1.4	ESE
20220514 2220	1.4	SE
20230514 2240	1.1	SE
20230514 2250	1.1	E
20230514 2300	1.4	E
20230514_2230 20230514_2240 20230514_2250 20230514_2300 20230514_2310	0.8	ESE
20230514 2320	0.8	SE
20230514 2330	0.3	ESE
20230514_2340	0.8	NNE
20230514_2350	0.3	NNE

Date & Time	Wind Speed (m/s)	Wind Direction (From)
(YYYYMMBB HHMM) 20220515 0000	0,3	SE
20230515_0000 20230515_0010	1.1	SE
20230515 0020	0.6	E
20230515_0020	0.3	NNE
20230515_0030	0.3	-
20230515 0040	1.1	ENE
20230515_0050	1.1	N
20230515_0100 20230515_0110	1.1	NNE N
20230515 0110	1.1	NNE
20230515_0120	1.1	NNE
20230515 0140	1.1	N
20230515_0150	0.3	NE
20230515_0200	0.3	NNE
20230515_0210	0.3	ENE
20230515_0220 20230515_0230	0.3	-
20230515_0250	0	N
20230515 0250	0.8	N
20230515_0300	0.3	N
20230515_0310	0.8	NE
20230515 0320	0.3	-
20230515_0330	0.8	N
20230515_0340	0.3	
20230515_0350 20230515_0400	0.3	NNW
20230515_0410	0	N
20230515 0420	0.3	N
20230515_0430 20230515_0440 20230515_0450	0.3	NNE
20230515_0440	0	-
20230515_0450	0	N
20230515 0500 20230515_0510	0	W
20230515_0510	0.3	SW
20230515_0530	0.3	SSW
20230515 0540	0.3	-
20230515_0550	0.3	WNW
20230515 0600	0	-
20230515_0610 20230515_0620	0.3	SSE S
20230515_0020	0.5	-
20230515 0640	0	-
20230515_0650	0.3	S
20230515_0700	0	-
20230515_0710	0	-
20230515_0720	0	-
20230515_0730 20230515_0740	0.3	SSW SSE
20230515_0750	0.5	SE
20230515_0800	0	NW
20230515_0810	0	-
20230515_0820	0.3	S
20230515_0830	0.3	N
20230515 0840 20230515 0850	0.3	NNE
20230515_0850 20230515_0900	0.3	NNE
20230515_0910	0.5	NW
20230515_0920	0.8	NNW
20230515 0930	1.1	N
20230515 0940 20230515_0950	1.1	N
20230515_0950	0.8	NNE
20230515_1000 20230515_1010	1.4	NNE N
20230515_1010 20230515_1020	0.6	NE
20230515_1020	1.1	-
20230515 1040	0.8	SE
20230515 1050	1.4	ESE
20230515_1100	1.7	E
20230515_1110	1.4	ESE
20230515_1120	1.1	SSE
20230515_1130 20230515_1140	0.8	SE S
20230515_1140 20230515_1150	1.4	S
20230313_1130	1./	U U

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (From)
20230515_1200	0.3	-
20230515_1210	0.8	ESE
20230515 1220	1.4	-
20230515_1230	1.7	SSE
20230515_1240	1.1	SW
20230515_1250	0.8	NE
20230515_1300	1.4	ENE
20230515_1310	1.7	ESE
20230515_1320	1.4	E
20230515_1330	2.2	E
20230515_1340	2.2	ESE
20230515_1350	1.7	E
20230515_1400	1.9	ESE
20230515_1410	2.5	ENE
20230515_1420	2.2	E
20230515_1430	1.9	Е
20230515_1440	2.5	E
20230515_1450	1.7	ESE
20230515 1500	2.2	Е
20230515_1510	2.2	ESE
20230515 1520	1.7	ESE
20230515_1530	1.9	SE
20230515 1530 20230515_1540	1.7	SE
20230515_1550	1.1	SE
20230515_1600	1.4	SE
20230515_1610	1.4	ESE
20230515 1620	1.7	SE
20230515 1630	1.1	
20230515_1640	1.1	ESE ESE
20230515_1640 20230515_1650	1.4	ESE
20230515_1000	1.4	SE
20230515_1700	1.7	DE
20230515_1710 20230515_1720	1.7	ESE ESE
20230515_1720		ESE
20230515_1730	1.7	SE
20230515 1740	1.1	SE
20230515_1750	1.4	SE
20230515_1800	1.4	SE
20230515_1810	1.7	SE
20230515_1820	1.4	ESE
20230515_1830	1.1	SE
20230515_1840	0.3	SE
20230515_1850	0.8	SE
20230515_1900	1.1	ESE
20230515_1910	1.1	ESE
20230515_1920	1.1	E
20230515 1930	0.8	ESE
20230515 1940	0.8	SE
20230515_1950	1.1	SE
20230515_2000	1.1	ESE
20230515_2010	1.1	SE
20230515 2020	1.4	SE
20230515_2020	1.4	SE
20230515 2040	1.4	SE
20230515_2050	1.4	ESE
20230515_2000	1.4	SE
20230515_2100	1.4	SE
20230515_2120	1.7	SE
20230515_2120 20230515_2130	1.7	SE
20230515_2130 20230515_2140	1.9	SE
20230515_2150	1.1	SSE
20230515_2200	1.4	ESE
20230515_2210	1.7	SE
20230515_2220	1.1	SE
20230515_2230 20230515_2240	0.6	SE
20230515_2240	0.8	-
20230515_2250	0.8	-
20230515 2300 20230515 2310 20230515 2320	0.8	ESE
20230515_2310	0	-
20230515_2320	0.6	SE
20230515 2330 20230515_2340	0.8	SE
20230515_2340	0.3	ESE
20230515_2350	0.8	ESE

Date & Time	Wind Speed (m/s)	Wind Direction (From)
(YYYYMMBB HHMM) 20220516 0000	0.8	ESE
20230516_0000 20230516_0010	0.8	ESE
20230516 0020	0	-
20230516_0020	0.3	SSE
20230516_0030	0.8	SSE
20230516 0040	1.1	SSE
20230516_0050 20230516_0100	1.4	SSE SSE
20230516_0100	1.4	SE
20230516_0110	1.1	SSE
20230516 0130	1.4	SSE
20230516_0140	1.1	SSE
20230516_0150	1.1	SSE
20230516_0200	0.6	SE
20230516_0210 20230516_0220	0.6	SE SE
20230516 0220	0.8	SE
20230516 0240	0.3	-
20230516 0250	0	-
20230516_0300	0.3	-
20230516_0310	0.6	S
20230516_0320	1.1	SSE
20230516_0330 20230516_0340	0.8	SSE
20230516_0350	0.8	SSE
20230516_0400	1.1	S
20230516_0410	0.8	SSE
20230516_0420	0.3	SE SE
20230516_0430		
20230516_0440	0.3	WNW
20230516_0450 20230516_0500	0	- S
20230516_0500	1.1	SSE
20230516 0520	1.4	SE
20230516 0530	1.1	SSE
20230516_0540	0.3	SSE
20230516_0550	0.8	SE
20230516_0600	0.3	ESE
20230516_0610 20230516_0620	0.3	Ŵ
20230516_0630	0.3	-
20230516_0640	0.6	Е
20230516_0650	0.6	ENE
20230516_0700	0.3	E
20230516_0710	0.6	NE
20230516_0720 20230516_0730	1.1 0.8	NE
20230516 0730	2.2	ESE
20230516_0740	2.5	E
20230516_0800	2.5	Ē
20230516_0810	2.8	ESE
20230516_0820	2.5	E
20230516_0830	2.5	E
20230516_0840 20230516_0850	2.5 2.2	ENE
20230516_0900	1.7	ESE
20230516_0910	1.7	E
20230516_0920	2.2	E
20230516_0930	1.7	ESE
20230516_0940	1.9	ESE
20230516_0950 20230516_1000	2.5	ESE ESE
20230516_1000	2.8 2.2	ESE
20230516_1010	3.1	SE
20230516_1030	3.3	SSE
20230516_1040	4.2	SSE
20230516 1050	3.6 2.2	SE
20230516_1100	2.2	E
20230516_1110	3.3	E
	20	E I
20230516 1120	2.8	E
	2.8 3.9 4.2	E E E

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (From)
20230516_1200	3.9	E
20230516_1210	3.9	E
20230516_1220	3.3	E
20230516_1230	3.3	E
20230516 1240	3.1	ESE
20230516 1250	3.9	E
20230516 1300	3.9	Ē
20230516 1310	3.6	E
20230516 1320	3.1	ESE
20230516_1330	2.2	ESE
20230516_1340	1.7	ESE
20230516_1350	1.7	ESE
20230516_1400	2.2	SE
20230516_1410	2.5	ESE
20230516_1420	2.2	ESE
20230516 1430	1.7	SSE
20230516_1440	2.2	ESE
20230516_1450	2.2	ESE
20230516 1500	3.1	E
20230516_1500	25	ESE
20230310_1310	2.5 2.2	
20230516_1520	2.2	SE
20230516_1530 20230516_1540	2.8 2.8	ESE
20230516_1540		ESE
20230516_1550	2.8	ESE
20230516_1600	2.8	SE
20230516_1610	2.2	ESE
20230516_1620	2.5	ESE
20230516_1630	2.2	ESE
20230516_1640	2.2	ESE
20230516_1650	2.8	ESE
20230516_1700	3.1	ESE
20230516_1710	2.5	E
20230516_1710	2.5	
20230516_1720		E
20230516_1730	1.7	SE
20230516_1740	1.7	SE
20230516_1750	1.4	ESE
20230516_1800	1.7	ESE
20230516 1810	1.7	ESE
20230516_1820	1.7	ESE
20230516 1830	2.5	ESE
20230516 1840	1.9	ESE
20230516 1850	2.5	ESE
20230516 1900	2.2	ESE
20230516 1910	2.2	ESE
20230516 1920	2.2	ESE
	2.8	ESE
20230516_1940	2.8	ESE
20230516_1950	2.2	ESE
20230516_2000	2.5	ESE
20230516_2010	2.5	ESE
20230516_2020	3.1	ESE
20230516_2030	2.8	ESE
20230516 2040	2.2	SE
20230516_2050	2.2	E
20230516_2100	2.8	ESE
20230516_2110	3.1	ESE
20230516 2120	28	ESE
20230516_2120 20230516_2130	2.8 3.3	ESE
20230310_2130		ESE
20230516_2140		
20230516_2150	2.5	ESE
20230516_2200	2.2	ESE
20230516_2210	1.9	SE
20230516_2220	1.9	ESE ESE
20230516_2230	2.2	ESE
20230516 2240	1.7	ESE
20230516 2250	1.9	ESE
20230516 2220 20230516 2220 20230516 2230 20230516 2240 20230516 2250 20230516 2300	1.7	ESE
20230516_2300	2.2	ESE
20230516_2320	2.2	ESE
20230516_2320		
20230516_2330	3.3	ESE
20230516_2340	3.3	ESE
20230516_2350	3.1	ESE

Date & Time	Wind Speed (m/s)	Wind Direction (From)
(YYYYMMBB HHMM) 20230517_0000	2.5	E
20230517_0000	1.7	ESE
20230517 0020	2.2 2.2	ESE
20230517_0030	2.2	ESE
20230517_0040	2.5	E
20230517_0050 20230517_0100	1./	ESE
20230517_0100	0.8	SE
20230517 0120	1.1	E
20230517_0120 20230517_0130	1.1	SE
20230517_0140	1.1	ESE
20230517_0150 20230517_0200	1.1	SE SE
20230517_0200 20230517_0210	2.2	ESE
20230517_0220	1.9	ESE
20230517 0230 20230517_0240	2.2	ESE
20230517_0240	1.7	SE
20230517_0250	1.7	SE
20230517 0300 20230517_0310	2.2 1.9	ESE
20230517_0320	2.2	ESE
20230517_0320	1.7	ESE
20230517 0340	1.7	ESE
20230517 0350	1.7	ESE
20230517_0400 20230517_0410	2.2 2.2	ESE SE
20230517_0410 20230517_0420	2.2	SE
20230517_0420 20230517_0430	2.2	ESE
20230517 0440	2.2	ESE
20230517_0450	2.2	SE
20230517_0500	1.9	SSE
20230517_0510 20230517_0520	2.2 2.5	SSE SE
20230517_0520 20230517_0530	2.2	SE
20230517_0540	1.7	SE
20230517 0550	1.4	SE
20230517_0600	1.4	SE
20230517_0610 20230517_0620	1.4	ESE
20230517_0620 20230517_0630	1.7	SE SE
20230517_0030	2.2	ESE
20230517 0650	3.3	ESE
20230517 0700	3.3	ESE
20230517_0710	2.5	ESE
20230517_0720 20230517_0730	2.8	ESE
20230517_0740	2.2	ESE
20230517 0750	2.2	SE
20230517 0800	1.9	SE
20230517_0810	1.7	SE
20230517 0820 20230517 0830	2.2 2.8	ESE SE
20230517_0830 20230517_0840	2.8	SE
20230517_0850	22	SSE
20230517_0900	1.7	SE
20230517 0910	1.7	SE
20230517 0920	1.7	SE
20230517_0930 20230517_0940	2.2 1.4	SE S
20230517_0940 20230517_0950	0.8	SSE
20230517_0950	0.3	SSW
20230517_1010	0.8	E
20230517_1020	0.6	ESE
20230517_1030	0.6	ESE
20230517_1040 20230517_1050	0.6	SE ESE
20230517_1050 20230517_1100	1.1	SE
20230517 1100	1.7	SE
20230517_1120	1.1	ESE
20230517 1130	1.1	SE
20230517_1140	1.7	SE
20230517_1150	1.4	E

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (From)
20230517_1200	1.4	ESE
20230517_1210	2.5	ESE
20230517_1220	1.7	SE
20230517_1230	1.7	SSE
20230517 1240	1.7	SSW
20230517 1250	3.3	S
20230517 1300	4.2	SSW
20230517 1310	1.1	S
20230517_1310	1.1	E
20230517_1320	0.3	SSE
20230517_1340	0.5	SE
20230517_1350 20230517_1400	0.3	ENE SSW
	0.8	33 W
20230517_1410	2.2	S
20230517_1420	1.7	S
20230517 1430	2.5	S
20230517_1440	2.5	S
20230517_1450	2.2	S
20230517 1500	2.5 3.3	S
20230517_1510		S
20230517_1520	1.7	S
20230517 1530 20230517_1540	3.1	SSW
20230517_1540	4.2	SW
20230517_1550	4.2	SSW
20230517_1600	3.6	SSW
20230517_1610	3.9	SSW
20230517_1620	4.2	SSW
20230517_1630	4.2	SW
20230517_1640	3.9	SW
20230517_1650	3.3	SW
20230517_1700	3.1	SSW
20230517 1710	3.6	SSW
20230517_1720	2.8	SSW
20230517_1730	3.3	SW
20230517 1740	3.3	SW
20230517_1750	2.8	SSW
20230517_1800	1.9	SSW
20230517_1810	2.8	SSW
20230517_1820	1.7	SE
20230517_1830	0.8	SSE
20230517_1840	1.4	S
20230517_1850	1.7	SSW
20230517_1900	1.7	SW
20230517_1910	2.2	SW
20230517_1920	2.8	SW
20230517_1930	1.7	SW
20230517_1940	1.7	SSW
20230517_1950	1.4	SSW
20230517_2000	2.5	SSW
20230517_2010	2.2	SSW
20230517_2020	2.5	SSW
20230517_2030	1.7	SSW
20230517_2040	1.4	SSW
20230517 2050	1.4	SW
20230517_2100	1.7	SSW
20230517_2110	1.1	S
20230517 2120	0.8	SW
20230517_2130	0.8	ESE
20230517 2100 20230517 2110 20230517 2120 20230517 2120 20230517 2130 20230517 2140	0.8	Е
20230517_2150	0.6	ESE
20230517_2200	0.3	SSE
20230517_2150 20230517_2200 20230517_2210	0	-
20230517 2220	0.3	ESE
20230517 2230	0.3	SE
20230517 2240	0	-
20230517_2240 20230517_2250	0	N
20220517 2200	0	-
20230517 2310	0.3	S
20230517_2320	0.3	-
20230517 2330	0.3	Е
20230517_2340	0.3	SSE
20230517_2350	0.3	

Date & Time	Wind Speed (m/s)	Wind Direction (From)
(YYYYMMBB HHMM)		while Direction (From)
20230518_0000 20230518_0010	0	
20230518_0020	0	-
20230518_0030	0.3	SE
20230518_0040	0.3	SSW
20230518_0050	0.3	-
20230518_0100 20230518_0110	0	SE
20230518_0120	0	SE
20230518_0130	0	ESE
20230518_0140	0	-
20230518_0150	0	SSE
20230518_0200 20230518_0210	0.3	SSE
20230518_0210	0.6	ESE
20230518 0230	0	-
20230518_0240	0	-
20230518_0250	0.3	SE
20230518 0300	0	-
20230518_0310 20230518_0320	0	
20230518_0320	0,3	SW
20230518_0340	0.8	SSW
20230518_0350	0.3	SSE
20230518_0400	0.3	ESE SE
20230518_0410 20230518_0420	0.6 0.8	SE
20230518_0420	0.8	SE
20230518_0440	0.8	SE
20230518_0450	0.8	SE
20230518_0500	0	-
20230518_0510 20230518_0520	0	SSE
20230518_0530	0	-
20230518 0540	0	-
20230518_0550	0	-
20230518_0600	0	-
20230518 0610 20230518 0620	0	-
20230518_0630	0	ENE
20230518 0640	0	-
20230518_0650	0	-
20230518_0700	0.3	-
20230518_0710 20230518_0720	0.3	SSW S
20230518_0730	0.3	SE
20230518 0740	0.8	SE
20230518_0750	1.1	SE
20230518_0800	1.4	SE
20230518_0810 20230518_0820	1.4	ESE ESE
20230518_0820 20230518_0830	1./	SE
20230518 0840	1.7	ESE
20230518 0850	1.7	E
20230518 0900	1.4	ESE
20230518_0910	1.7	ESE
20230518 0920 20230518_0930	1.7	ESE ESE
20230518_0940	1.7	E
20230518 0950	1.4	ESE
20230518_1000	1.4	E
20230518_1010	1.4	E
20230518_1020 20230518_1030	0.3 0.8	-
20230518_1050	1.4	WNW
20230518_1040	1.4	NW
20230518 1100	2.2	WNW
20230518_1110	2.2	W
20230518_1120	2.2	SW
20230518 1130 20230518_1140	1.7 2.5	WSW WSW
20230518_1140 20230518_1150	2.5	WSW
20230310_1130	2.0	11011

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (From)
20230518_1200		-
20230518_1210	1.9	WNW
20230518 1220	2.5	W
20230518_1230	2.5	W
20230518_1240	1.7	WSW
20230518 1250	2.2	WSW
20230518_1300	2.2	WSW
20230518_1310	1.7	WSW
20230518_1320	1.7	-
20230518_1330	2.2	SW
20230518_1340	1.7	SW
20230518_1350	2.5	SW
20230518_1400	2.8	SW
20230518_1410	2.8	WSW
20230518_1420	2.5	WŚW
20230518_1430	2.8	WSW
20230518_1440	1.7	WSW
20230518_1450	2.8	WSW
20230518 1500	3.3	SSW
20230518_1510	2.8	SW
20230518_1520	2.8	SSW
20230518 1530	2.2	SW
20230518_1540	2.5	WSW
20230518_1550	3.3	SW
20230518_1600	2.8	WSW
20230518_1610	2.2	SW
20230518_1620	2.2	SW
20230518_1630	2.5	SW
20230518_1640	2.2	SW
20230518_1650	2.8	SSW
20230518_1700	3.1	SSW
20230518 1710	2.8	SSW
20230518_1720	2.8	SSW
20230518_1730	2.5	SW
20230518_1740	2.5	SW
20230518_1750	2.5	SW
20230518_1800	2.2	SW
20230518_1810	1.9	SW
20230518_1820	1.4	SW
20230518_1830	1.1	WSW
20230518_1840	0.6	WSW
20230518_1850	0.8	W
20230518_1900	0.6	WNW
20230518_1910	1.4	WNW
20230518_1920	0	SSE
20230518_1930	0.3	SSE
20230518_1940	0.8	SSW
20230518_1950	0.8	SW
20230518_2000	0.8	S
20230518_2010	0.8	ESE
20230518 2020	0.8	E
20230518_2030	0.8	ESE
20230518_2040	0.3	ESE
20230518 2050	0.8	S
20230518_2100	0.3	S
20230518_2100 20230518_2110 20230518_2120 20230518_2120 20230518_2130	0.8	S
20230518_2120	0.8	SSE
20230518_2130	0.3	E
20230518 2140	0.8	SSW
20230518 2150 20230518 2150 20230518_2200 20230518_2210 20230518 2220	0.8	S
20230518_2200	0.8	SSE
20230518_2210	0.3	SE
20230518 2220	1.1	SSW
20230518 2220 20230518 2230 20230518 2240 20230518 2250	0.3	SSW
20230518_2240	0.8	SSE
20230518_2250	0.3	ENE
20230518 2300	0.3	S
20230518 2300 20230518 2300 20230518 2310	0.3	-
20230518 2320	0.6	S
20230518 2330	0.3	-
20230518_2340	0.3	SSW
20230518_2350	1.1	SSW

Date & Time	Wind Speed (m/s)	Wind Direction (From)
(YYYYMMBB HHMM)	2.8	
20230519_0000 20230519_0010	2.8	SE ESE
20230519_0010	1.7	SE
20230519_0030	2.5	ESE
20230519_0040	2.2	ESE
20230519_0050	2.8	ESE
20230519_0100 20230519_0110	3.1 2.8	ESE
20230519_0120	2.8	ESE
20230519_0130	2.8 2.5	ESE
20230519_0140	2.5	SE
20230519_0150	2.5 2.8	ESE
20230519_0200 20230519_0210	2.8	ESE
20230519_0220	3.3	ESE
20230519 0230	2.8	ESE
20230519_0240	3.3	ESE
20230519_0250	2.5	ESE
20230519 0300	3.1	ESE
20230519_0310 20230519_0320	3.1 2.8	ESE
20230519_0320	2.8	E
20230519_0340	2.8 2.8 2.8	Ē
20230519_0350	2.2	E
20230519 0400	3.3 2.5	E
20230519_0410 20230519_0420	2.5	ENE
20230519_0420	1.9	ENE
20230519_0440	2.2	E
20230519_0450	1.4	-
20230519 0500	1.1	N
20230519 0510 20230519 0520	1.1 1.7	N N
20230519_0520	0.8	N
20230519_0550		NNE
20230519_0550	2.2 2.8	NNE
20230519_0600	3.6	NNE
20230519 0610	3.3 3.6	NNE
20230519_0620 20230519_0630	3.3	NNE NNE
20230519_0640	3.1	NNE
20230519_0650	3.3	NNE
20230519_0700	3.3	NNE
20230519_0710	3.3 2.8	NNE
20230519_0720 20230519_0730	2.8	NNE NNE
20230519_0750	1.9	N
20230519_0740	1.9	N
20230519_0800	2.8	NNE
20230519_0810	2.2	N
20230519 0820 20230519 0830	2.5 1.7	N NNE
20230519_0830	2.2	NNE
20230519 0850	1.7	N
20230519_0900	1.7	N
20230519_0910	2.5	N
20230519_0920 20230519_0930	3.1 2.5	NNE N
20230519_0930	2.5	N
20230519_0940	3.3	NNE
20230519_1000	2.5	NNE
20230519_1010	1.7	NNE
20230519_1020	2.2 2.2	NNE
20230519_1030 20230519_1040	2.2 2.5	NNE NNE
20230519_1040 20230519_1050	2.5	NNE
20230519 1100	2.8	NNE
20230519_1110	2.8 3.3	NNE
20230519_1120	3.3	NNE
20230519_1130	4.2	NNE
20230519_1140 20230519_1150	3.6 3.9	NNE NNE
20230319_1130	5.9	ININE

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (From)
20230519 1200	4.2	NNE
20230519_1210	3.9	N
20230519 1220	4.4	NNE
20230519 1230	5	NNE
20230519 1240	4.4	N
20230519 1250	4.7	N
20230519 1300	4.4	N
20230519 1310	4.7	NNE
20230519 1320	5,3	NNE
20230519 1330	4.2	N
20230519 1340	4.7	N
20230519 1350	4.2	NNE
20230519 1400	3.9	NNE
20230519_1410	4.7	NNE
20230519_1420	5.3	NNE
20230519 1430	5.3	NNE
20230519_1440	5	NNE
20230519_1450	4.2	NNE
20230519 1500	4.7	NNE
20230519_1510	3.3	NNE
20230519_1520	4.7	N
20230519_1530	3.9	Ν
20230519_1540	3.9	N
20230519_1550	3.6	N
20230519 1600	3.1	Ν
20230519_1610	3.9	N
20230519_1620	3.3	N
20230519_1630	3.3	N
20230519_1640	4.7	NNE
20230519_1650	4.2	NNE
20230519_1700	5	NNE
20230519_1710	3.9	NNE
20230519_1720	2.8	N
20230519_1730	3.6	NNE
20230519 1740	3.9	NNE
20230519_1750	3.6	NNE
20230519_1800	3.9	NNE
20230519 1810	3.9	NNE
20230519_1820	4.2	NNE
20230519_1830	3.3	NE
20230519 1840	3.9	NNE
20230519_1850	3.3	NNE
20230519_1900	4.7	NNE
20230519_1910	3.3	NNE
20230519_1920	3.9	NNE
20230519_1930	3.3	NNE
20230519_1940	3.1	NNE
20230519_1950	3.9	NNE
20230519_2000	3.3	NNE
20230519_2010	3.9	NINE
20230519 2020 20230519_2030	3.3 2.8	NNE N
20230519_2030	2.8	N
		N
20230519_2050 20230519_2100	2.8	N
20230519_2100 20230519_2110	3.1	N
	4.2	N
20230519_2120 20230519_2130	4.2 3.3	N
20230519_2130	2.8	N
20230519_2140	3.3	N
20230519 2130	2.5	N
20230519 2210	3.9	N
20230519_2220	3.9	N
20230510 2230	3.6	N
20230519 2240	3.3	N
20220510 2250	3.9	N
20230519_2200	4.2	N
20230519 2310	3.3	N N
20230519_2310	4.7	N
20230519 2330	2.8	N
20230519_2340	4.2	N
20230519_2350	3.3	NNE

Date & Time	Wind Speed (m/s)	Wind Direction (From)
(YYYYMMBB HHMM) 20220520,0000	3,3	NNE
20230520_0000 20230520_0010	3.1	NNE
20230520_0010	3.3	NNE
20230520_0030	3.1	NNE
20230520_0040	3.3	N
20230520_0050	3.3	N
20230520_0100	3.6	N
20230520_0110	3.9	N
20230520_0120 20230520_0130	3.9 3.9	N N
20230520_0150	4.2	N
20230520_0140	3.3	N
20230520_0150 20230520_0200	3.3	Ň
20230520_0210	3.3	N
20230520_0220	3.3	N
20230520 0230	3.6	N
20230520_0240	3.1 3.9	N
20230520_0250 20230520_0300	3.1	N N
20230520 0300 20230520_0310	3.1	NNE
20230520_0510	2.8	NNE
20230520_0330	3.3	N
20230520_0340	3.6	N
20230520_0350	3.9	N
20230520_0400	3.3	N
20230520_0410	3.3 3.1	N
20230520_0420 20230520_0430	3.1	N N
20230520_0430	3.3	N
20230520_0450	3.3	N
20230520_0500	3.3	N
20230520_0510	3.9	NNE
20230520_0520	3.1	NNE
20230520_0530	3.3	NNE
20230520_0540 20230520_0550	3.3 4.2	NNE NNE
20230520_0500	3.3	N
20230520_0610	3.3	N
20230520 0620	4.4	N
20230520_0630	5.3	NNE
20230520_0640	4.7	NNE
20230520_0650	4.2	N
20230520_0700	3.9 4.2	N N
20230520_0710 20230520_0720	4.2	NNE
20230520_0720	5.3	NNE
20230520 0740	5.3	NNE
20230520_0750	4.4	NNE
20230520_0800	5.3	NNE
20230520_0810	4.7	NNE
20230520_0820	4.2	NNE NNE
20230520_0830 20230520_0840	4.2	NNE
20230520_0840	4.2	N
20230520 0900	3.6	N
20230520 0910	3.9	N
20230520 0920	3.3	N
20230520_0930	3.3	N
20230520_0940	4.7	NNE
20230520 0950 20230520 1000	4.2	N NNE
20230520_1000	3.9	NNE
20230520_1010	5	NNE
20230520 1020	3.6	N
20230520 1040	3.3	N
20230520 1050	3.3	N
20230520 1100	3.3	N
20230520_1110	3.9	N
20230520_1120	3.3	N
20230520 1130 20230520 1140	3.6	N NNE
20230520_1140 20230520_1150	2.5	NNE
20230320_1130	2.2	11

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (From)
20230520_1200	3.9	N
20230520_1210	3.1	N
20230520_1220	3.1	Ν
20230520_1230	3.3	N
20230520 1240	3.3	N
20230520 1250	3,9	Ν
20230520 1300	4.2	N
20230520 1310	3.9	Ν
20230520 1320	4.2	N
20230520 1330	3.9	Ň
20230520 1340	4.7	N
20230520_1350	3.9	N
20230520_1400	4.4	N
20230520_1410	5	NNE
20230520_1420	3.9	NNE
20230520_1420	4.2	NNE
20230520_1450	4.4	NNE
20230520_1440	4.4	NNE
20230520 1500	4.2	NNE
20230520_1510		NNE
20230520_1520	4.4	NNE
20230520_1530	3.9	NNE
20230520_1540	4.4	NNE
20230520_1550 20230520_1600	4.7	NNE
20230520_1600	3.6	NNE
20230520_1610	3.3	NNE
20230520_1620	3.6	NNE
20230520_1630	4.2	NNE
20230520_1640	3.9	NNE
20230520_1650	2.8	NNE
20230520_1700	2.8	NNE
20230520 1710	2.8	N
20230520_1720	3.3	NNE
20230520 1730	3.3	NNE
20230520 1740	3.9	NNE
20230520 1750	4.2	NNE
20230520 1800	3.9	NNE
20230520 1810	3.9	NNE
20230520_1820	3.9	NNE
20230520_1830	3.9	NNE
20230520_1840	2.2	ENE
20230520 1850	0.8	NNE
20230520_1850	0.3	N
20230520_1900	2.2	NNE
20230520 1910	1.7	ENE
		EINE
20230520_1930	0.3	
20230520_1940	0.3	
20230520_1950	1.1	NNE
20230520_2000	1.4	NNE
20230520_2010	0.8	N
20230520 2020	0	N
20230520_2030	0.3	NW
20230520_2040	0.8	SW
20230520_2050	0.6	WNW
20230520_2100	0.3	-
20230520_2110	0.3	WSW
20230520_2120	0.3	NNW
20230520_2130	1.4	N
20230520_2140	2.2	N
20230520 2150	2.2	N
20230520_2200	2.5	Ň
20230520_2210	3.1	N
20230520 2220	2.2	N
20230520 2230	1.7	N
20230520_2240	1.1	N
20230520 2230 20230520 2230 20230520 2240 20230520 2250 20230520 2300 20230520 2310 20230520 2310	0.8	ENE
20230520_2250	0.8	ENE
20230520_2300	0.8	ENE
20230520_2310	0.8	SSW
	0.5	
20230520 2330 20230520 2330 20230520 2340 20230520 2350	0.8	SSE SSE

Date & Time	Wind Speed (m/s)	Wind Direction (From)
(YYYYMMBB HHMM) 20230521 0000	0	N N
20230521_0000	0.6	S
20230521 0020	0,3	Ň
20230521_0030	0.3	-
20230521_0040 20230521_0050	0,3	N SSW
20230521_0050	0.3	SW
20230521_0100	0.3	SW
20230521_0120	0.3	S
20230521_0130	0.3	SE
20230521_0140 20230521_0150	0.8 0.3	SSE
20230521 0150	0.3	ESE
20230521_0210	0	N
20230521_0220	0	N
20230521_0230 20230521_0240	0.3	SSE
20230521_0250	0.3	S
20230521 0300	0.8	SSE
20230521 0310	0	N
20230521_0320 20230521_0330	0.3	SE
20230521_0330 20230521_0340	0.3 0.3	SE
20230521 0350	0.5	N
20230521_0400	0.3	S
20230521_0410	0	N
20230521_0420 20230521_0430	0	N N
20230521_0450	0.3	-
20230521_0450	0	N
20230521_0500	0.3	S
20230521_0510	0.3	SSE
20230521_0520 20230521_0530	0 0.3	N S
20230521_0550	0.3	SSE
20230521_0550	0.3	SSE
20230521_0600	0.3	SE
20230521_0610 20230521_0620	0.3	- N
20230521_0020	0,3	S
20230521 0640	0.3	SSE
20230521_0650	0.3	S
20230521_0700 20230521_0710	0.8	SSE
20230521_0710	0.6	SSE
20230521 0730	0.0	N
20230521 0740	0	N
20230521_0750	0.3	S
20230521_0800 20230521_0810	0.3 0.3	W SSW
20230521 0820	0.8	E
20230521 0830	0.3	-
20230521_0840	1.9	N
20230521_0850 20230521_0900	1.7 3.3	NNW N
20230521_0900	3.1	N
20230521_0920	3.3	N
20230521_0930	3.1	N
20230521_0940 20230521_0950	2.5 2.5	N N
20230521_0950	2.5	NE
20230521_1010	2.8	SE
20230521_1020	2.5	E
20230521_1030	2.8	E
20230521_1040 20230521_1050	3.3	E ESE
20230521_1050	3.1	ESE
20230521_1110	2.8	ESE
20230521_1120	3.1	ESE
20230521_1130 20230521_1140	3.1 2.8	ESE
20230521_1140 20230521_1150	2.8	ESE
20230321_1130	2.0	LOL

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (From)
20230521_1200	2.2	-
20230521_1200	2.5	SE
20230521_1220 20230521_1230	1.7	S S
20230521_1230	1.4	
20230521_1240	2.8	NE
20230521 1250	2.2	ENE
20230521_1300	1.7	ESE
20230521_1310	1.4	N
20230521 1320	1.7	ENE
20230521_1330	1.1	NNW
20230521_1340	1.4	-
20230521 1350	1.7	-
20230521_1400	1.1	SW
20230521_1410	1.1	SSW
20230521_1420	1.1	SSW
20230521 1430	2.2	NNW
20230521_1440	1.7	NNW
20230521 1450	1.9	NW
20230521 1500	1.9	NNW
20230521 1510	2.2	NNW
20230521_1520	1.7	NW
20230521 1530	2.5	Ν
20230521_1540	1.7	Ň
20230521_1550	2.8	NNE
20230521 1600	1.7	N
20230521_1610	1.4	NNW
20230521_1620	1.7	N
20230521 1630	1.7	NNE
20230521_1640	2.5	NE
20230521 1650	1.1	NNE
20230521_1650 20230521_1700	1.1	E
20230521 1710		ESE
20230521 1710 20230521_1720	2.2 2.5	E
20230521 1730	2.5	E
20230521_1740	2.5	E
20230521_1750	2.5 2.8	Ē
20230521 1800	2.5	E
20230521 1810	3.1	E
20230521_1810	2.5	Ē
20230521 1830	3.1	E
20230521 1840	2.8	ESE
20230521 1850	2.5	E
20230521_1900	2.2	ESE
20230521_1910	2.8	ESE
20230521 1920	2.8	ESE
20230521_1920	2.8	ESE
20230521_1930	2.8	SE
20230521_1940	2.8	ESE
20230521_1950	2.0	ESE
20230521_2000	2.2	ESE
20230521_2010	1.4	SE
20230521 2020	1.4	SE
20230521_2030	2.2	SE
20230521_2040	1.7	SE
20230521 2030	1.7	SE
20230521_2100	1.4	SE
20230521_2110 20230521_2120	1.4	SE
20230521_2120 20230521_2130	1.7	ESE
20230521_2130	1.4	ESE
20230521_2140 20230521_2150	0.8	EOE
20230521_2150	1.4	ESE
20230521_2200	1.4	E
20220521 2220	2.2	ESE
20230321_2220	1.9	ESE
20230521_2230		
20230521_2240	1.7	ESE
20230521_2250	1.7	ESE
20230521 2220 20230521 2230 20230521 2240 20230521 2250 20230521 2300 20230521 2310	1.7	SE
20230521_2310	1.9	ESE
20230521_2520	1.9	ESE
20230521_2330	1.7	ESE
20230521_2340 20230521_2350	2.5	ESE
20230521 2350	2.5	ESE

Date & Time	Wind Speed (m/s)	Wind Direction (From)
(YYYYMMBB HHMM)		
20230522_0000 20230522_0010	1.9	ESE SE
	1.7	
20230522 0020 20230522 0030	1.7 1.9	ESE
20230522_0030	1.7	ESE
20230522_0040	1.7	SE
20230522_0050 20230522_0100	1.4	ESE
20230522 0110	1.4	E
20230522 0120	1.4	E
20230522_0120 20230522_0130	1.4	Ē
20230522 0140	1.4	E
20230522_0150	1.4	ESE
20230522_0200	1.4	SE
20230522_0210	0.8	SE
20230522_0220	0.8	SE
20230522 0230 20230522_0240	1.1	ESE
20230522_0240	0.8	SE
20230522_0250	0	N
20230522 0300 20230522_0310	0	N
20230522_0310	0	N SSW
20230522_0320	0.3	
20230522_0330 20230522_0340	0.3	SSE SE
20230522_0340	1.1	SE
20230522_0530	1.4	SE
20230522_0400	1.7	SE
20230522_0420	0.3	WNW
20230522_0420	0.3	W
20230522 0440	0.3	Ŵ
20230522_0440 20230522_0450	0.3	W
20230522 0500	0	Ν
20230522 0510	0	N
20230522_0520	0	N
20230522_0530	0	Ν
20230522_0540	0	N
20230522_0550	0.3	N
20230522_0600	0	N
20230522_0610	0	N
20230522_0620 20230522_0630	0	N
20230522_0630	0.3	SW
20230522 0640 20230522 0650	0	N N
20230522_0050	0	N
20230522_0700	0	N
20230522_0710	0	N
20230522_0720	0	N
20230522_0730 20230522_0740	0,3	NNW
20230522_0750	0.3	NE
20230522_0800	0.3	NW
20230522 0810	0.3	NNE
20230522 0820	0.3	N
20230522 0830	0.8	NE
20230522_0840	0.8	N
20230522_0850	1.4	NNE
20230522 0900	0.8	NNE
20230522_0910	1.1	N
20230522_0910	1.4	N
20230522_0930	1.1	NW
20230522_0940	0.8	NNW
20230522_0950 20230522_1000	1.1 2.2	ESE
	2.2	N ESE
20230522_1010 20230522_1020	2.5	IN
20230522_1020 20230522_1030	2.8	SE
20230522_1030	2.8	ESE
20230522_1040 20230522_1050	3.1	ESE
20230522_1050	33	ESE
20230522_1100	3.3	ESE
20230522_1110	3.3	SE
20230522_1120	33	ESE
20230522_1150	3.3	ESE

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (From)
20230522 1200	3.3	ESE
20230522 1210	3.3	E
20230522 1220	3.3	ESE
20230522 1230	3.3	ESE
20230522 1240	3.3	ESE
20230522 1250	3,3	ESE
20230522 1300	3.3	ESE
20230522 1310	3.3	ESE
20230522 1320	3.1	ESE
20230522 1320	3.1	E
20230522_1340	2.8	ESE
20230522_1350	2.5	E
20230522_1350	2.5	E
20230522_1400		E
20230322_1410	3.1	
20230522_1420	3.3	E
20230522_1430	2.8	ESE
20230522_1440	3.3	E
20230522_1450	2.8	E
20230522 1500	3.1	E
20230522_1510	3.3	E
20230522_1520	3.3	ESE
20230522_1530	3.1	E
20230522 1510 20230522 1510 20230522 1520 20230522 1530 20230522 1540	3.1	E
20230522 1550	3.3	Е
20230522_1600 20230522_1610	2.8	E
20230522_1610	2.8	E
20230522_1620	3.1	E
20230522_1630	3.3	E
20230522_1640	3.3	E
20230522 1650	3.1	E
20230522_1650 20230522_1700	3.3	E
20230522 1710	3.3	Е
20230522 1720	3.3	Е
20230522 1730	3.3	Е
20230522 1740	3.1	Ē
20230522 1750	3.3	Ē
20230522_1800	1.4	ESE
20230522 1810	2.2	ESE
20230522 1810	2.2	ESE
20230522 1830	2.8	ESE
20230522_1840	2.5	ESE
20230522 1840	2.5	ESE
20230522_1850	2.5	ESE
20230522 1900	2.2	ESE
20230522 1910	2.5	SE
	2.2	
		SE
20230522 1940	2.5	SE
20230522_1950	2.5	SE
20230522_2000	2.8	SE
20230522_2010	2.8	SE
20230522 2020	2.8	SE
20230522_2030	1.9	SE
20230522_2040	2.2	ESE
20230522_2050	2.2	ESE
20230522_2100 20230522_2110	2.2	ESE
20230522_2110	1.9	ESE
20230522_2120 20230522_2130 20230522_2140	2.2 2.2	SE
20230522_2130		ESE
20230522_2140	2.2	ESE
20230522_2150	1.7	SE
20230522_2200	1.4	SE
20230522_2210	1.1	SE
20230522_2220	1.4	SE
20230522_2230	1.1	SE
20230522_2240	0.3	-
20230522 2250	0.3	SE
20230522 2220 20230522 2230 20230522 2240 20230522 2250 20230522 2300 20230522 2310	0.8	SSE
20230522 2310	0.8	SE
20230522 2320	0.8	SSE
20230522 2330	0.8	SE
20230522_2340	0.3	ESE
20230522_2350	0.5	N

(1)         11         Mode         S           20230523         000         0.3         S           20230523         000         1.9         SSE           20230523         0030         2.2         SSE           20230523         0040         1.7         SSE           20230523         0100         2.2         SSE           20230523         0100         2.2         SSE           20230523         0100         2.2         SSE           20230523         0100         1.1         SSE           20230523         0100         1.1         SSE           20230523         0200         1.1         SE           20230523         0300         0.8         SE           20230523         0300         0.8         SE           20230523         0300         0.8         SE           20230523         0300         0         N	Date & Time	Wind Speed (m/s)	Wind Direction (From)
20230523         010         2.2         355           20230523         0140         1.1         SSE           20230523         0140         1.1         SSE           20230523         0150         0.8         SSE           20230523         0200         1.1         SSE           20230523         0220         0.8         SSE           20230523         0230         1.1         SSE           20230523         0230         1.1         ESE           20230523         0300         0.8         SE           20230523         0300         0.8         ESE           20230523         0300         0.8         SE           20230523         0300         0.8         SE           20230523         0300         0.8         SE           20230523         0300         0.3         E           20230523         0400         0.3         E           20230523         0400         0.3         E           20230523         0400         0.3         ESE           20230523         0400         0.3         ESE           20230523         0500         1.4         SE<	(YYYYMMBB HHMM)		
20230523         010         2.2         355           20230523         0140         1.1         SSE           20230523         0140         1.1         SSE           20230523         0150         0.8         SSE           20230523         0200         1.1         SSE           20230523         0220         0.8         SSE           20230523         0230         1.1         SSE           20230523         0230         1.1         ESE           20230523         0300         0.8         SE           20230523         0300         0.8         ESE           20230523         0300         0.8         SE           20230523         0300         0.8         SE           20230523         0300         0.8         SE           20230523         0300         0.3         E           20230523         0400         0.3         E           20230523         0400         0.3         E           20230523         0400         0.3         ESE           20230523         0400         0.3         ESE           20230523         0500         1.4         SE<	20230523_0000		SSE
20230523         010         2.2         355           20230523         0140         1.1         SSE           20230523         0140         1.1         SSE           20230523         0150         0.8         SSE           20230523         0200         1.1         SSE           20230523         0220         0.8         SSE           20230523         0230         1.1         SSE           20230523         0230         1.1         ESE           20230523         0300         0.8         SE           20230523         0300         0.8         ESE           20230523         0300         0.8         SE           20230523         0300         0.8         SE           20230523         0300         0.8         SE           20230523         0300         0.3         E           20230523         0400         0.3         E           20230523         0400         0.3         E           20230523         0400         0.3         ESE           20230523         0400         0.3         ESE           20230523         0500         1.4         SE<	20230523_0020	1.1	SSE
20230523         010         2.2         355           20230523         0140         1.1         SSE           20230523         0140         1.1         SSE           20230523         0150         0.8         SSE           20230523         0200         1.1         SSE           20230523         0220         0.8         SSE           20230523         0230         1.1         SSE           20230523         0230         1.1         ESE           20230523         0300         0.8         SE           20230523         0300         0.8         ESE           20230523         0300         0.8         SE           20230523         0300         0.8         SE           20230523         0300         0.8         SE           20230523         0300         0.3         E           20230523         0400         0.3         E           20230523         0400         0.3         E           20230523         0400         0.3         ESE           20230523         0400         0.3         ESE           20230523         0500         1.4         SE<	20230523_0030	2.2	SSE
20230523         010         2.2         355           20230523         0140         1.1         SSE           20230523         0140         1.1         SSE           20230523         0150         0.8         SSE           20230523         0200         1.1         SSE           20230523         0220         0.8         SSE           20230523         0230         1.1         SSE           20230523         0230         1.1         ESE           20230523         0300         0.8         SE           20230523         0300         0.8         ESE           20230523         0300         0.8         SE           20230523         0300         0.8         SE           20230523         0300         0.8         SE           20230523         0300         0.3         E           20230523         0400         0.3         E           20230523         0400         0.3         E           20230523         0400         0.3         ESE           20230523         0400         0.3         ESE           20230523         0500         1.4         SE<	20230523_0040	1.7	SSE
20230523         010         2.2         355           20230523         0140         1.1         SSE           20230523         0140         1.1         SSE           20230523         0150         0.8         SSE           20230523         0200         1.1         SSE           20230523         0220         0.8         SSE           20230523         0230         1.1         SSE           20230523         0230         1.1         ESE           20230523         0300         0.8         SE           20230523         0300         0.8         ESE           20230523         0300         0.8         SE           20230523         0300         0.8         SE           20230523         0300         0.8         SE           20230523         0300         0.3         E           20230523         0400         0.3         E           20230523         0400         0.3         E           20230523         0400         0.3         ESE           20230523         0400         0.3         ESE           20230523         0500         1.4         SE<	20230523_0050	1.9	SSE
20230523         010         2.2         355           20230523         0140         1.1         SSE           20230523         0140         1.1         SSE           20230523         0150         0.8         SSE           20230523         0200         1.1         SSE           20230523         0220         0.8         SSE           20230523         0230         1.1         SSE           20230523         0230         1.1         ESE           20230523         0300         0.8         SE           20230523         0300         0.8         ESE           20230523         0300         0.8         SE           20230523         0300         0.8         SE           20230523         0300         0.8         SE           20230523         0300         0.3         E           20230523         0400         0.3         E           20230523         0400         0.3         E           20230523         0400         0.3         ESE           20230523         0400         0.3         ESE           20230523         0500         1.4         SE<	20230523_0100	2.2	
20230523 $0140$ $1.1$ SSE $20230523$ $0200$ $1.1$ SSE $20230523$ $0210$ $0.8$ SSE $20230523$ $0220$ $0.8$ SSE $20230523$ $0240$ $1.4$ SSE $20230523$ $0240$ $1.4$ SSE $20230523$ $0300$ $0.8$ ESE $20230523$ $0300$ $0.8$ ESE $20230523$ $0300$ $0.8$ SE $20230523$ $0300$ $0.8$ SE $20230523$ $0300$ $0.8$ SE $20230523$ $0400$ $0.3$ ES $20230523$ $0500$ $1.4$ S	20230523_0110	515	SSE
20230523 $0140$ $1.1$ SSE $20230523$ $0200$ $1.1$ SSE $20230523$ $0210$ $0.8$ SSE $20230523$ $0220$ $0.8$ SSE $20230523$ $0240$ $1.4$ SSE $20230523$ $0240$ $1.4$ SSE $20230523$ $0300$ $0.8$ ESE $20230523$ $0300$ $0.8$ ESE $20230523$ $0300$ $0.8$ SE $20230523$ $0300$ $0.8$ SE $20230523$ $0300$ $0.8$ SE $20230523$ $0400$ $0.3$ ES $20230523$ $0500$ $1.4$ S	20230523 0120		
20230523 $0210$ $0.8$ SE $20230523$ $0230$ $1.1$ SSE $20230523$ $0240$ $1.4$ SE $20230523$ $0250$ $1.1$ ESE $20230523$ $0300$ $0.8$ ESE $20230523$ $0300$ $0.8$ SE $20230523$ $0300$ $0.8$ SE $20230523$ $0300$ $0.8$ SE $20230523$ $0400$ $0.3$ E $20230523$ $0500$ $1.4$ SE $20230523$ $0500$ $1.7$ SE $20230523$ $0500$ $1.7$ SE     <	20230523_0140	1.1	SSE
20230523 $0210$ $0.8$ SE $20230523$ $0230$ $1.1$ SSE $20230523$ $0240$ $1.4$ SE $20230523$ $0250$ $1.1$ ESE $20230523$ $0300$ $0.8$ ESE $20230523$ $0300$ $0.8$ SE $20230523$ $0300$ $0.8$ SE $20230523$ $0300$ $0.8$ SE $20230523$ $0400$ $0.3$ E $20230523$ $0500$ $1.4$ SE $20230523$ $0500$ $1.7$ SE $20230523$ $0500$ $1.7$ SE     <	20230523_0150		
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	20230523_0200		SSE
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	20230523_0210		SSE
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	20230523_0220		SSE
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	20230523 0240		
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	20230523_0250		ESE
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	20230523_0300		
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	20230523_0310	1.1	
20230523 $030$ $0.3$ $E$ $20230523$ $040$ $0.3$ $E$ $20230523$ $040$ $0.3$ $E$ $20230523$ $040$ $0.3$ $E$ $20230523$ $0430$ $0$ N $20230523$ $0400$ $0.3$ $ESE$ $20230523$ $0500$ $1.4$ $SE$ $20230523$ $0500$ $1.4$ $SE$ $20230523$ $0500$ $1.7$ $ESE$ $20230523$ $0500$ $1.7$ $ESE$ $20230523$ $0700$ $1.7$ $ESE$ $20230523$ $0700$ $1.7$ $ESE$ $20230523$ $0700$ $1.7$ <	20230523_0320	0.3	
20230523 $030$ $0.3$ $E$ $20230523$ $040$ $0.3$ $E$ $20230523$ $040$ $0.3$ $E$ $20230523$ $040$ $0.3$ $E$ $20230523$ $0430$ $0$ N $20230523$ $0400$ $0.3$ $ESE$ $20230523$ $0500$ $1.4$ $SE$ $20230523$ $0500$ $1.4$ $SE$ $20230523$ $0500$ $1.7$ $ESE$ $20230523$ $0500$ $1.7$ $ESE$ $20230523$ $0700$ $1.7$ $ESE$ $20230523$ $0700$ $1.7$ $ESE$ $20230523$ $0700$ $1.7$ <	20230523_0340		
20230523 0420 $0.3$ E $20230523$ 0430 $0$ N $20230523$ 0430 $0$ N $20230523$ 0440 $0.3$ ESE $20230523$ 0450 $1.4$ SE $20230523$ 0500 $1.4$ SE $20230523$ 0500 $1.4$ SE $20230523$ 0520 $1.7$ SE $20230523$ 0530 $1.1$ SE $20230523$ 0540 $0.8$ SE $20230523$ 0540 $1.7$ SE $20230523$ 0560 $1.7$ SE $20230523$ 0660 $1.7$ SE $20230523$ 0660 $1.7$ ESE $20230523$ 0630 $1.1$ $ 20230523$ 0700 $1.7$ ESE $20230523$ 0710 $1.7$ ESE $20230523$ 0700	20230523 0350	0.3	
20230523 0420 $0.3$ E $20230523$ 0430 $0$ N $20230523$ 0430 $0$ N $20230523$ 0440 $0.3$ ESE $20230523$ 0450 $1.4$ SE $20230523$ 0500 $1.4$ SE $20230523$ 0500 $1.4$ SE $20230523$ 0520 $1.7$ SE $20230523$ 0530 $1.1$ SE $20230523$ 0540 $0.8$ SE $20230523$ 0540 $1.7$ SE $20230523$ 0560 $1.7$ SE $20230523$ 0660 $1.7$ SE $20230523$ 0660 $1.7$ ESE $20230523$ 0630 $1.1$ $ 20230523$ 0700 $1.7$ ESE $20230523$ 0710 $1.7$ ESE $20230523$ 0700	20230523_0400	0.3	E
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	20230523 0410	0.8	
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	20230523_0420		
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	20230523_0430		
20230523         0500         1.4         SE           20230523         0510         1.7         SE           20230523         0520         1.7         SE           20230523         0530         1.1         SE           20230523         0540         0.8         SE           20230523         0540         0.8         SE           20230523         0550         1.4         SSE           20230523         0640         1.7         SE           20230523         0640         1.7         SE           20230523         0640         1.7         ESE           20230523         0640         1.7         ESE           20230523         0650         1.7         ESE           20230523         0700         1.7         ESE           20230523         0710         1.7         ESE           20230523         0710         1.7         ESE           20230523         0720         1.7         ESE           20230523         0730         1.1         ENE           20230523         0750         1.1         E           20230523         0800         1.4         ES	20230523_0450	1.4	
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	20230523 0500		SE
20230523 $0530$ $1.1$ SE $20230523$ $0540$ $0.8$ SE $20230523$ $0560$ $1.7$ SE $20230523$ $0600$ $1.7$ SE $20230523$ $0600$ $1.7$ SE $20230523$ $0620$ $1.4$ SE $20230523$ $0620$ $1.4$ SE $20230523$ $0620$ $1.4$ SE $20230523$ $0700$ $1.7$ ESE $20230523$ $0700$ $1.7$ ESE $20230523$ $0700$ $1.7$ ESE $20230523$ $0700$ $1.7$ ESE $20230523$ $0740$ $1.4$ ESE $20230523$ $0740$ $1.4$ ESE $20230523$ $0740$ $1.4$ ESE $20230523$ $0800$ $1.4$ ESE $20230523$ $0800$ $1.4$ ESE $20230523$ $0800$ $2.2$	20230523 0510		SE
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	20230523_0520		
20230523         0600         1.7         SE           20230523         0610         1.7         SE           20230523         0620         1.4         SE           20230523         0640         1.1         -           20230523         0640         1.7         ESE           20230523         0640         1.7         ESE           20230523         0650         1.7         ESE           20230523         0710         1.7         ESE           20230523         0710         1.7         ESE           20230523         0730         1.1         ENE           20230523         0740         1.4         ESE           20230523         0750         1.1         E           20230523         0800         1.4         ESE           20230523         0810         1.7         ESE           20230523         0810         2.2         E           20230523         0800         2.8         ENE           20230523         0840         2.5         E           20230523         0900         2.8         ENE           20230523         0910         3.3         E </td <td>20230523_0530</td> <td></td> <td></td>	20230523_0530		
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2023052         0620         1.4         SE           20230523         0630         1.1         -           20230523         0640         1.7         ESE           20230523         0640         1.7         ESE           20230523         0700         1.7         ESE           20230523         0710         1.7         ESE           20230523         0710         1.7         ESE           20230523         0720         1.7         E           20230523         0730         1.1         ENE           20230523         0750         1.1         E           20230523         0800         1.4         ESE           20230523         0800         1.4         ESE           20230523         0800         2.5         E           20230523         0800         2.8         ENE           20230523         0900         2.8         ENE           20230523         0910         3.3         E           20230523         0940         3.1         E           20230523         0940         3.1         E           20230523         0940         3.1         E	20230523_0610		
2023052         0640         1.7         ESE           2023052         0700         1.7         ESE           2023052         0700         1.7         ESE           2023052         0700         1.7         ESE           2023052         0710         1.7         ESE           2023052         0710         1.7         E           2023052         0730         1.1         ENE           2023052         0740         1.4         ESE           2023052         0750         1.1         E           2023052         0800         1.4         ESE           2023052         0800         1.7         ESE           2023052         0800         1.7         ESE           2023052         0800         1.7         ESE           2023052         0840         2.5         E           2023052         0840         2.5         E           2023052         0900         2.8         ENE           2023052         0900         3.3         E           2023052         0900         3.3         E           2023052         0900         3.3         E <t< td=""><td>20230523_0620</td><td></td><td></td></t<>	20230523_0620		
2023052         0650         1.7         ESE           2023052         0700         1.7         ESE           2023052         0710         1.7         ESE           2023052         0710         1.7         ESE           2023052         0720         1.7         E           2023052         0730         1.1         ENE           2023052         0740         1.4         ESE           2023052         0750         1.1         E           2023052         0800         1.4         ESE           2023052         0800         2.5         ESE           2023052         0830         2.2         E           2023052         0840         2.5         E           2023052         0800         2.8         ENE           2023052         0910         3.3         E           2023052         0940         3.1         E           2023052         0940         3.1         E           2023052         1000         3.3         E           20230523         1000         3.3         E           20230523         1000         3.1         ESE	20230523_0630	1.1	-
2023052         0700         1.7         ESE           20230523         0710         1.7         ESE           20230523         0720         1.7         E           20230523         0730         1.1         ENE           20230523         0740         1.4         ESE           20230523         0740         1.4         ESE           20230523         0750         1.1         E           20230523         0800         1.4         ESE           20230523         0810         1.7         ESE           20230523         0820         2.5         ESE           20230523         0840         2.5         E           20230523         0840         2.5         E           20230523         0900         2.8         ENE           20230523         0910         3.3         E           20230523         0920         2.5         E           20230523         0940         3.1         E           20230523         0900         3.3         E           20230523         1010         3.3         E           20230523         1020         3.1         ESE	20230523_0640		
2023052         0710         1.7         ESE           20230523         0730         1.1         ENE           20230523         0730         1.1         ENE           20230523         0730         1.1         ENE           20230523         0750         1.1         ENE           20230523         0750         1.1         E           20230523         0800         1.4         ESE           20230523         0800         1.7         ESE           20230523         0800         2.5         ESE           20230523         0840         2.5         E           20230523         0840         2.5         E           20230523         0840         2.5         E           20230523         0940         3.3         E           20230523         0940         3.1         E           20230523         0950         3.3         E           20230523         1040         3.3         E           20230523         1040         3.1         ESE           20230523         1040         3.1         E           20230523         1040         3.1         E	20230523_0030	1.7	
20230523         0720         1.7         E           20230523         0730         1.1         ENE           20230523         0740         1.4         ESE           20230523         0750         1.1         E           20230523         0750         1.1         E           20230523         0810         1.7         ESE           20230523         0810         1.7         ESE           20230523         0830         2.2         E           20230523         0830         2.2         E           20230523         0840         2.5         E           20230523         0840         2.5         E           20230523         0900         2.8         ENE           20230523         0900         2.5         E           20230523         0910         3.3         E           20230523         0900         2.5         E           20230523         0900         3.3         ES           20230523         0900         3.3         E           20230523         0900         3.3         E           20230523         1000         3.3         E	20230523 0710		
2023052         0740         1.4         ESE           20230523         0750         1.1         E           20230523         0800         1.4         ESE           20230523         0810         1.7         ESE           20230523         0810         1.7         ESE           20230523         0820         2.5         ESE           20230523         0840         2.5         E           20230523         0840         2.5         E           20230523         0840         2.5         E           20230523         0840         2.5         E           20230523         0800         2.8         ENE           20230523         0910         3.3         E           20230523         0930         3.1         E           20230523         0940         3.1         E           20230523         1000         3.3         E           20230523         1020         3.1         ESE           20230523         1000         3.3         E           20230523         1000         3.1         ESE           20230523         1000         2.8         E </td <td>20230523 0720</td> <td>1.7</td> <td></td>	20230523 0720	1.7	
20230523         0750         1.1         E           20230523         0800         1.4         ESE           20230523         0810         1.7         ESE           20230523         0820         2.5         ESE           20230523         0830         2.2         E           20230523         0840         2.5         E           20230523         0840         2.5         E           20230523         0900         2.8         ENE           20230523         0910         3.3         E           20230523         0900         2.5         E           20230523         0900         3.3         E           20230523         1000         3.3         E           20230523         1000         3.3         E           20230523         1000         3.1         ESE           20230523         1000         3.1         E	20230523_0730		
20230523         0800         1.4         ESE           20230523         0810         1.7         ESE           20230523         0820         2.5         ESE           20230523         0830         2.2         E           20230523         0840         2.5         E           20230523         0840         2.5         E           20230523         0840         2.5         E           20230523         0800         2.8         ENE           20230523         0910         3.3         E           20230523         0900         2.8         ENE           20230523         0910         3.3         E           20230523         0900         2.5         E           20230523         0940         3.1         E           20230523         0900         3.3         E           20230523         1000         3.3         E           20230523         1000         3.1         ESE           20230523         1000         3.1         E           20230523         1000         3.1         E           20230523         1000         2.8         E	20230523_0740		
20230523         0810         1.7         ESE           20230523         0820         2.5         ESE           20230523         0830         2.2         E           20230523         0840         2.5         E           20230523         0840         2.5         E           20230523         0840         2.5         E           20230523         0800         2.8         ENE           20230523         0900         2.8         ENE           20230523         0900         2.5         E           20230523         0900         3.3         E           20230523         0900         3.3         E           20230523         0900         3.3         ESE           20230523         0900         3.3         ESE           20230523         1000         3.3         E           20230523         1000         3.3         E           20230523         1000         3.1         E           20230523         1000         3.1         E           20230523         1000         3.1         E           20230523         1000         3.1         E	20230523_0750		
2023053         0820         2.5         ESE           2023052         0840         2.2         E           2023052         0840         2.5         E           2023052         0840         2.5         E           2023052         0850         2.8         ENE           2023052         0900         2.8         ENE           2023052         0910         3.3         E           2023052         0920         2.5         E           2023052         0920         2.5         E           2023052         0920         2.5         E           2023052         0920         2.5         E           2023052         0950         3.3         E           20230523         1040         3.1         E           20230523         1020         3.1         ESE           20230523         1020         3.1         ESE           20230523         1040         3.1         E           20230523         1100         2.8         E           20230523         1100         2.8         E           20230523         1100         3.3         E			
2023052         0830         2.2         E           20230523         0840         2.5         E           20230523         0850         2.8         ENE           20230523         0900         2.8         ENE           20230523         0910         3.3         E           20230523         0900         2.5         E           20230523         0920         2.5         E           20230523         0940         3.1         E           20230523         0940         3.1         E           20230523         0940         3.1         E           20230523         1040         3.3         E           20230523         1000         3.3         E           20230523         1000         3.3         E           20230523         1000         3.1         ESE           20230523         1030         3.1         E           20230523         1000         3.1         E           20230523         1000         2.8         E           20230523         1100         3.1         E           20230523         1100         3.3         E <t< td=""><td>20230523 0820</td><td>2.5</td><td></td></t<>	20230523 0820	2.5	
2023052         0850         2.8         ENE           20230523         0900         2.8         ENE           20230523         0910         3.3         E           20230523         0920         2.5         E           20230523         0920         3.1         E           20230523         0940         3.1         E           20230523         0950         3.3         ESE           20230523         1000         3.3         E           20230523         1010         3.3         E           20230523         1010         3.3         E           20230523         1010         3.1         ESE           20230523         1020         3.1         ESE           20230523         1030         3.1         E           20230523         1040         3.1         E           20230523         1000         2.8         E           20230523         1100         2.8         E           20230523         1100         3.1         E           20230523         1100         3.3         E           20230523         1120         3.3         E	20230523_0830		E
2023052         9000         2.8         ENE           20230523         0910         3.3         E           20230523         0920         2.5         E           20230523         0930         3.1         E           20230523         0940         3.1         E           20230523         0940         3.1         E           20230523         0950         3.3         ESE           20230523         1010         3.3         E           20230523         1020         3.1         ESE           20230523         1020         3.1         ESE           20230523         1040         3.1         E           20230523         1040         3.1         E           20230523         1100         2.8         E           20230523         1100         2.3         E           20230523         1100         3.1         E           20230523         1100         3.3         E           20230523         1100         3.3         E           20230523         1130         3.3         E           20230523         1130         3.3         ESE	20230523_0840	2.5	
2023052         0910         3.3         E           2023052         0930         2.5         E           2023052         0930         3.1         E           2023052         0940         3.1         E           2023052         0950         3.3         ESE           20230523         0050         3.3         ESE           20230523         1000         3.3         E           20230523         1010         3.3         E           20230523         1020         3.1         ESE           20230523         1020         3.1         ESE           20230523         1040         3.1         E           20230523         100         2.8         E           20230523         1100         2.8         E           20230523         1100         3.1         E           20230523         1100         3.3         E           20230523         1100         3.3         E           20230523         1130         3.3         E           20230523         1130         3.3         E           20230523         1140         3.3         ESE	20230523_0850	2.8	
20230523         0920         2.5         E           20230523         0940         3.1         E           20230523         0940         3.1         E           20230523         0950         3.3         ESE           20230523         1000         3.3         E           20230523         1010         3.3         E           20230523         1010         3.3         E           20230523         1000         3.1         ESE           20230523         1030         3.1         ESE           20230523         1030         3.1         E           20230523         1000         2.8         E           20230523         1100         2.8         E           20230523         1100         3.1         E           20230523         1100         3.3         E           20230523         1120         3.3         E           20230523         1130         3.3         E           20230523         1140         3.3         ESE		2.8	
2023052         0930         3.1         E           2023052         0940         3.1         E           2023052         0950         3.3         ESE           2023052         0950         3.3         ESE           20230523         1000         3.3         E           20230523         1010         3.3         E           20230523         1020         3.1         ESE           20230523         1030         3.1         ESE           20230523         1040         3.1         E           20230523         1000         2.8         E           20230523         1100         2.8         E           20230523         1100         3.3         E           20230523         1100         3.3         E           20230523         1100         3.3         E           20230523         1120         3.3         E           20230523         1130         3.3         E           20230523         1140         3.3         ESE			
20230523         0940         3.1         E           20230523         0950         3.3         ESE           20230523         1000         3.3         E           20230523         1010         3.3         E           20230523         1010         3.3         E           20230523         1030         3.1         ESE           20230523         1040         3.1         E           20230523         1040         3.1         E           20230523         1100         2.8         E           20230523         1100         2.8         E           20230523         1120         3.3         E           20230523         1120         3.3         E           20230523         1140         3.3         E           20230523         1130         3.3         E           20230523         1140         3.3         ESE	20230523_0930	3.1	
20230523         1000         3.3         E           20230523         1010         3.3         E           20230523         1020         3.1         ESE           20230523         1030         3.1         ESE           20230523         1040         3.1         E           20230523         1050         3.1         E           20230523         1000         2.8         E           20230523         1100         3.1         E           20230523         1100         3.3         E           20230523         1120         3.3         E           20230523         1130         3.3         E           20230523         1140         3.3         E	20230523_0940	3.1	E
20230523         1010         3.3         E           20230523         1030         3.1         ESE           20230523         1030         3.1         ESE           20230523         1040         3.1         E           20230523         1050         3.1         E           20230523         1000         2.8         E           20230523         1100         3.1         E           20230523         1100         3.1         E           20230523         1100         3.3         E           20230523         1120         3.3         E           20230523         1130         3.3         E           20230523         1140         3.3         ESE	20230523 0950		
20230523         1020         3.1         ESE           20230523         1030         3.1         ESE           20230523         1040         3.1         E           20230523         1050         3.1         E           20230523         1050         3.1         E           20230523         1100         2.8         E           20230523         110         3.1         E           20230523         1120         3.3         E           20230523         1130         3.3         E           20230523         1140         3.3         ESE	20230523_1000		
20230523         1030         3.1         ESE           20230523         1040         3.1         E           20230523         1050         3.1         E           20230523         1100         2.8         E           20230523         1100         3.1         E           20230523         110         3.1         E           20230523         1120         3.3         E           20230523         1130         3.3         E           20230523         1140         3.3         ESE			
20230523         1040         3.1         E           20230523         1050         3.1         E           20230523         1100         2.8         E           20230523         1100         3.1         E           20230523         1100         3.1         E           20230523         1120         3.3         E           20230523         1130         3.3         E           20230523         1140         3.3         ESE			
20230523         1050         3.1         E           20230523         1100         2.8         E           20230523         110         3.1         E           20230523         110         3.3         E           20230523         1120         3.3         E           20230523         1130         3.3         E           20230523         1140         3.3         ESE	20230523 1040	3.1	
20230523         1110         3.1         E           20230523         1120         3.3         E           20230523         1130         3.3         E           20230523         1140         3.3         ESE	20230523_1050	3.1	
20230523 1120 3.3 E 20230523 1130 3.3 E 20230523 1140 3.3 ESE	20230523 1100	2.8	
20230523 1130 3.3 E 20230523 1140 3.3 ESE			
20230523 1140 3.3 ESE			
20200522_1150 2.0 EDD	20230523 1130		
20230523 1150 Z.8 ENE	20230523_1140 20230523_1150	2.8	ENE

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (From)
20230523_1200	3.1	ENE
20230523_1200 20230523_1210	2.8	E
20230523_1220 20230523_1230	2.5	ENE
20230523_1230	3.1	E
20230523_1240	3.1	E
20230523_1250	2.8	ESE
20230523_1300	3.1	E
20230523_1310	2.8	SE
20230523_1320	2.2	E
20230523_1330	2.8	E
20230523_1340	2.5	E
20230523_1350 20230523_1400	2.5 2.8	E
20230523_1400	3.1	- E
20230523 1420	3.1	Ē
20230523 1430	3.3	E
20230523 1440	3.3	Ē
20230523 1450	3.3	Ē
20230523 1500	3.3	Ē
20230523_1510	3.3	Ē
20230523_1520	3.9	E
20230523 1530	3.9	Ē
20230523_1540	3.9	E
20230523_1550	3.9	Е
20230523_1600	3.9	E
20230523_1610	3.3	E
20230523_1620	3.1	E
20230523_1630	2.8	ESE
20230523_1640 20230523_1650	2.2 2.8	E
20230523_1050	2.8	E
20230525_1630 20230523_1700 20230523_1710 20230523_1720	3.3	E
20230525_1710	3.3	E
20230523_1720	3.3	E
20230523_1740	3.3	Ē
20230523 1740 20230523_1750	2.8	Ē
20230523 1800	2.8	ESE
20230523 1810	2.8	ESE
20220522 1920	1.7	E
20230523_1820	2.2	ENE
20230523 1840	1.7	E
20230523_1850	1.7	E
20230523_1900	1.9	E
20230523_1910	1.7	ENE
20230523_1920 20230523_1930		E
20230523_1930 20230523_1940	1.7 2.2	E ESE
20230523_1940 20230523_1950	2.2	ESE
20230523_1950	1.1	ESE
20230523_2000	1.4	ESE
20230523 2020	1.4	SSE
20230523 2020	1.1	SE
20230523 2040	1.1	SE
20230523 2050	1.1	SE
20230523_2100	1.4	SE
20230523_2110	1.7	SE
20230523_2120	2.5	SE
20230523_2130	1.7	SE
20230523_2140	1.7	SE
20230523_2150	1.1	SE
20230523_2200	1.7	SE
20230523_2210	1.7	SE
20230523_2220	1.1	ESE
20230523_2230	1.4	ESE
20230523_2240	0.8	E
20230523_2250	0.8	ESE
20230523 2220 20230523 2230 20230523 2240 20230523 2250 20230523 2300 20230523 2310 20030523 2310	0.8	SSE SE
20230523_2310 20230523_2320	0.8	ESE
	1.1	SE
20230523 2330 20230523_2340	1.1	SE
20230523_2350	1.1	SSE

Date & Time	Wind Sneed (m/s)	Wind Direction (From)
(YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (From)
20230524_0000 20230524_0010	1.4	SSE SE
20230524_0010 20230524_0020	1.1	ESE
20230524 0030	1.4	E
20230524_0040 20230524_0050	1.4	Ē
20230524_0050	1.4	E
20230524_0100	1.1	E
20230524_0110 20230524_0120	1.4	E
20230524 0120 20230524 0130	0.8	E
20230524_0130	1.1	E
20230524 0150	1.1	ESE
20230524_0200	1.1	ESE
20230524_0210	1.4	SE
20230524_0220 20230524_0230	1.1	SE SE
20230524_0230 20230524_0240	0.8 0.3	ESE
20230524_0240	0.5	N
20230524 0300	1.1	SE
20230524 0310	1.1	SE
20230524_0320	0.8	ESE
20230524_0330	0.3	ESE
20230524_0340 20230524_0350	1.1 0.8	ESE
20230524_0350	0.8	E
20230524 0400	0.8	ESE
20230524 0420	0.8	ESE
20230524_0430	0.8	ESE
20230524_0440	1.1	ESE
20230524_0450 20230524_0500	1.1	ESE
20230524_0500	0.8	E
20230524 0520	1.4	SE
20230524 0530	1.1	ESE
20230524_0540	2.2	SE
20230524_0550	1.7	SE
20230524_0600 20230524_0610	2.5	SE SSE
20230524 0610	1.4	SE
20230524 0630	1.4	SSE
20230524 0640	1.7	ESE
20230524_0650	1.9	ESE
20230524_0700	2.2	SE
20230524_0710 20230524_0720	2.8	E ESE
20230524_0720	2.5	ESE
20230524_0740	2.8	ESE
20230524_0750	2.5	ESE
20230524_0800	2.5	E
20230524_0810	2.2	ESE
20230524 0820 20230524 0830	2.8	E ENE
20230524_0830	2.5	E
20230524 0850	2.8	E
20230524_0900	2.8	E
20230524_0910	3.3	E
20230524 0920 20230524 0930	3.1	E
20230524_0930 20230524_0940	2.5	ESE
20230524_0940	2.5	ESE
20230524_1000	2.8	ESE
20230524_1010	2.8	E
20230524_1020	2.8	ESE
20230524_1030 20230524_1040	2.2 2.5	SE
20230524_1040 20230524_1050	2.5	E SE
20230524_1030	2.5	SE
20230524 1110	1.9	ENE
20230524_1120	2.2	E
20230524_1130	2.5	SE
20230524_1140	2.8	E
20230524_1150	2.5	E

Date & Time (YYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (From)
20230524_1200	2.5	E
20230524_1210	2.5	E
20230524 1220	2.5	E
20230524_1230	2.2	ESE
20230524_1240	2.2	ESE
20230524_1250	2.5	ESE
20230524_1300	2.5	ESE
20230524_1310	1.9	SE
20230524_1320	2.2	ESE
20230524_1330	2.8	E
20230524_1340	2.8	E
20230524_1350	3.1	E
20230524_1400	2.8	E
20230524_1410	3.3	ESE
20230524_1420	3.3	ESE
20230524 1430	3.3	E
20230524_1440	3.3	E
20230524 1450	3.6	Е
20230524 1500 20230524_1510	3.3	Ē
20230524_1510	3.9	Ē
20230524_1520	3.6	E
	3.3	Ē
20230524 1530 20230524_1540	2.5	ESE
20230524_1550	3.1	ESE
20230524 1600	3.3	E
20230524 1610	3.1	E
20230524 1620	3.3	E
20230524_1630	3.1	ESE
20230524 1640	3.3	E
20230524_1650	3.3	E
20230524_1000	3.3	E
20230524_1710	3.1	E
20230524_1710	3.3	E
	2.8	E
20230524_1740 20230524_1750	2.5	E
	2.8	
20230524_1800		ESE
20230524_1810	3.3	ESE
20230524_1820	3.1	E
20230524_1830	3.3	ESE
20230524_1840	3.1	ESE
20230524_1850	2.5	ESE
20230524_1900	3.1	ESE
20230524_1910	2.8	ESE
20230524_1920	2.8	SE
20230524_1930	2.8	ESE
20230524_1940	2.5	SE
20230524_1950	3.3	SE
20230524_2000	3.1	SE
20230524_2010	2.5	ESE
20230524_2020	2.5	ESE
20230524_2030	2.5	ESE
20230524_2040	2.5	ESE
20220524 2050	1.7	ESE
20230524_2100		SE
20230524 2030 20230524 2100 20230524 2110 20230524 2120 20230524 2130 20230524 2140	2.5 2.8 2.2 2.5	SE
20230524 2120	2.2	SE
20230524 2130	2.5	SE
20230524 2140	2.5	SE
20230524_2150	3.1	SE
20230524 2200	2.5	SE
20230524_2210	2.5	SE
	1.7	SE
20230524_2220	25	SE
20230524_2230	2.5 2.2	SE
20230524_2240	2.2	SE
20230324_2230	2.8	SE
20230524 2220 20230524 2230 20230524 2240 20230524 2250 20230524 2300 20230524 2310		SE
20230524_2310 20230524_2320	2.8	
20230524_2320	2.8	SE
20230524 2330 20230524_2340	2.2	SE SE

Date & Time	Wind Speed (m/s)	Wind Direction (From)
(YYYYMMBB HHMM) 20220525 0000	2.5	ESE
20230525_0000 20230525_0010 20230525_0020	2.2	ESE
20230525_0020		SE
20230525 0030	1.9 1.7	SE
20230525_0040 20230525_0050	2.5	SE
20230525_0050	2.5	ESE
20230525_0100	1.9	ESE
20230525_0110 20230525_0120	2.2	ESE
20230525_0120 20230525_0130	1.9 1.7	ESE SE
20230525_0150	1.7	SE
20230525_0140 20230525_0140 20230525_0150 20230525_0200	1.7	SE
20230525 0200	1.1	SSE
20230525 0210	1.7	SSE
20230525_0210 20230525_0210 20230525_0220 20230525_0230	1.4	SE
20230525 0230	0.8	-
20230525 0240	1.1	ESE
20230525_0250 20230525_0300	0.8	E
20230525 0300	0.8	E
20230525_0310	1.4	E
20230525_0320 20230525_0330	1.7	ENE
20230525 0330 20230525 0340	1.4	EEE
20230525_0350	1.1	ESE
20230525_0400	1.7	ESE
20230525_0400	1.1	SE
20230525_0420	1.4	ESE
20230525_0430	0.8	ESE
20230525 0440	0.8	E
20230525_0450	1.1	ESE
20230525 0500 20230525 0510	0.8	E
20230525_0510	0.3	SE
20230525_0520	1.1	ESE
20230525_0530	1.1	ESE
20230525_0540	1.7	E
20230525_0550 20230525_0600	0.8	E
20230525_0600 20230525_0610	0.8	SSE NE
20230525 0620	0.8	ENE
20230525_0020	0.6	ENE
20230525_0640	0.8	SE
20230525 0650	0.3	SE
20230525 0700	0.8	SE
20230525 0710	0.8	ESE
20230525_0720	1.4	ESE
20230525_0730	1.4	ESE
20230525_0740	1.1	SE
20230525_0750	0.8	SE
20230525_0800	0.8	SE
20230525_0810 20230525_0820	1.1	SE
20230525_0820	1.4	SE NE
20230525_0830	1.1	E
20230525_0840	1.7	ESE
20230525 0900	1.9	ESE
20230525 0910	2.5	E
20230525 0920	2.8	E
20230525_0930	2.5	E
20230525_0940	2.5	ESE
20230525_0950	2.8	E
20230525_1000	2.2	ENE
20230525_1010	1.7	ESE
20230525_1020	2.2	ESE
20230525_1030 20230525_1040	1.9 2.5	ESE
20230525_1040 20230525_1050	2.5	E
20230525_1050	2.2	ESE
20230525 1100	2.5	E
20230525_1110	3.1	E
20230525_1120	3.3	E
20230525 1140	2.5	E
20230525_1150	2.8	SE

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (From)
20230525 1200	2.8	ESE
20230525_1210	2.8	E
20230525_1220 20230525_1230	2.5	E
20230525_1230	2.8	ESE
20230525_1240	2.8	E
20230525_1250 20230525_1300	2.2 2.5	ESE
20230525_1300 20230525_1310	2.5	E
20230525_1310 20230525_1320	2.8 2.5	ENE
20230525 1320	2.5	E E
20230525 1320 20230525 1330 20230525 1340 20230525 1350	2.2	E
20230525_1350	2.5	E
20230525 1400	2.5	Ē
20230525_1410	2.8	E
20230525_1420	2.8	ESE
20230525 1430	3.1	ESE
20230525_1440	2.8	ESE
20230525_1450	2.8	ESE
20230525_1500	2.2	ESE
20230525_1510 20230525_1520	1.7	ESE ESE
20230525_1520	1./	ESE
20230525 1550	0.6	SSW
20230525 1550	1.1	SE
20230525 1600	1.7	ESE
20230525_1610	1.7	ESE
20230525_1620	1.7	ESE
20230525_1630	1.7	E
20230525_1640	1.7	E
20230525_1650 20230525_1700	2.5	ESE
20230525_1700	3.3	E
20230525 1710	3.1	ESE
20230525_1720	2.8	ESE
20230525_1740	2.8	ESE
20230525_1750	3.3	ESE
20230525 1800	2.5	ESE
20230525 1810	2.2	ESE
20230525_1820	2.5	ESE
20230525_1830	1.4	ENE
20230525_1840	1.1	NE
20230525_1850 20230525_1900	0.8	NE SSE
20230525_1910	0.3 1.7	SE
20220525 1020	1.1	31
20230525_1920 20230525_1930 20230525_1940 20230525_1950	0.6	SE
20230525_1940	1.4	ESE
20230525_1950	1.4	ESE ESE
20230525 2000	1.7	ESE
20230525 2010	2.2	ESE
20230525 2020 20230525 2020 20230525 2030 20230525 2040 20230525 2050 20230525 2100 20230525 2110	2.2	E
20230525_2030 20230525_2040	1.1	E
20230525_2040	1.4	ENE
20230525 2050 20230525 2100	1.4	EEE
20230525_2100	1.4	SE
20230525 2120	0.3	SE
20230525 2130	0.3	-
20230525 2140	0.3	SE
20230525_2150	0.3	E
20230525_2200	0.8	E
20230525_2210	0.6	E
20230525_2220	1.1	ENE
20230525_2230 20230525_2240	1.4	ENE
20230525_2240 20230525_2250	1.1	ESE SE
20230525_2250 20230525_2300	1.4 0.6	SE
20230525_2310	0.3	SSW
20230525 2320	0.5	N
20230525_2330	0	N
20230525_2340	0.3	S
20230525 2350	0.8	SSE

Date & Time	Wind Speed (m/s)	Wind Direction (From)
(YYYYMMBB HHMM) 20230526 0000	0.8	<u>s</u>
20230526_0010	0.3	S
20230526 0020	0.8	SSE
20230526_0030	0.8	SSW
20230526_0040	0.6	SSW
20230526_0050 20230526_0100	1.1	S SSE
20230526_0100	1.4	S
20230526_0110	1.4	SSE
20230526_0120 20230526_0130	1.7	SE
20230526_0140	0.8	SSW
20230526_0150	1.1	ESE
20230526_0200	0.8	SE
20230526_0210 20230526_0220	0.8	SSE SSE
20230526 0230	1.7	SE
20230526_0250	1.1	ESE
20230526_0250	1.7	ESE
20230526 0300	1.7	SE
20230526_0310	1.7	SE
20230526_0320	1.1	ESE
20230526_0330 20230526_0340	1.4	ESE
20230526_0340 20230526_0350	0.8	ESE
20230526_0550	0.8	SE
20230526_0410	0.3	ESE
20230526_0420	1.4	ESE
20230526_0430	1.7	ESE
20230526_0440	1.7	E
20230526_0450	1.1	E
20230526_0500 20230526_0510	1.9	ENE E
20230526_0520	0.8	SE
20230526_0530	1.1	SSE
20230526 0540	0.8	SSE
20230526_0550	0.8	S
20230526_0600	1.1	SSE
20230526 0610 20230526 0620	0.3	NNE N
20230526_0620	0	N
20230526_0640	0,3	SE
20230526 0650	0.3	SSE
20230526_0700	0	N
20230526 0710	0.6	S
20230526_0720	1.1	SSW
20230526_0730 20230526_0740	0.8 0.6	S SSE
20230526_0740	0.3	E
20230526 0800	0.3	ESE
20230526 0810	0.3	SSW
20230526 0820	0.3	SSW
20230526_0830	0	N
20230526_0840	0.3	NW
20230526_0850 20230526_0900	0.6	NE WNW
20230526_0900	0.3	NW
20230526 0920	0	N
20230526 0930	0.3	NE
20230526_0940	1.1	E
20230526 0950	1.7	E
20230526_1000 20230526_1010	1.7	E
20230526_1010 20230526_1020	1.4	E
20230526_1020	1.4	ENE
20230526_1040	1.7	ESE
20230526_1050	2.5	E
20230526 1100	2.8	Е
20230526_1110	2.8	E
20230526_1120	2.5	E
20230526_1130 20230526_1140	3.1 2.2	E
20230526_1140	2.2	E

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (From)
20230526_1200	2.5	E
20230526 1210	2.2	E
20230526_1220 20230526_1220 20230526_1230	2.8 3.3	E
20230526_1230	3.3	
20230526_1240	3.1	E
20230526_1250 20230526_1300	2.5	E E
20230526_1300	1.7	ESE
20230526 1320	0.8	ESE
20230526 1330	1.1	E
20230526 1340	1.7	Ē
20230526 1350	0.8	ENE
20230526_1400	0.6	SE
20230526_1410	0.8	ENE
20230526_1420	0.3	ESE
20230526_1430	0.3	ENE
20230526_1440 20230526_1450	0.8	ENE NE
20230526_1430	1.4	ENE
20230526 1510	1.7	ENE
20230526_1520	2.2	ENE
20230526 1530	1.7	NE
20230526_1540	1.7	ENE
20230526_1550	1.9	NE
20230526_1600	2.2	ENE
20230526_1610	1.7	ENE
20230526_1620	1.7	ENE
20230526_1630 20230526_1640	1.4	E E
20230526_1650	1.4	Ē
20230526_1700	0.8	ESE
20230526 1710	1.4	E
20230526_1720	1.7	E
20230526_1730	1.7	E
20230526 1740	2.2 2.2	E ESE
20230526_1750	2.2	
20230526_1800 20230526_1810	2.2 0.8	ESE ENE
20230526_1810	1.7	ENE
20230526_1830	1.4	ENE
20230526 1840	1.1	ENE
20230526_1850	1.4	ENE
20230526_1900	1.4	ENE
20230526_1910	1.4	E
20230526_1920	0.8	ENE
20230526_1930 20230526_1940	1.1	ENE
20230526_1940	0.8	ENE
20230526 2000	1.4	ENE
20230526 2010	1.7	NE
20230526 2020	1.7	ENE
20230526_2030	1.1	E
20230526_2040	0.8	E
20230526 2050	1.1	ENE
20230526_2100	1.1	NE
20230526_2110	1.4	ENE
20230526_2120 20230526_2130	1.1 0.8	ENE
20230526_2140	1.1	NE
20230526_2150	0.8	NE
20230526_2200	1.1	E
20230526_2210	1.4	ENE
20220526 2220	1.1	NE
20230526_2230	0.8	ENE
20230526_2240	1.1	ESE
20230526_2250	1.1	ESE
20230526 2220 20230526 2230 20230526 2240 20230526 2250 20230526 2300 20230526 2310 20230526 2310	1.4	E E
20230526_2320	0.3	NE
20230526_2330	0.3	NNE
20230526 2330 20230526 2340 20230526 2350	0.3	N
20220526 2250	0.3	NNW

Date & Time	Wind Speed (m/s)	Wind Direction (From)
(YYYYMMBB HHMM) 20230527_0000	0.3	NE
20230527_0010	0.5	ENE
20230527_0020 20230527_0030	1.4	E
20230527_0030	1.1	NE
20230527_0040	1.1	NE
20230527_0050 20230527_0100	0.8	ENE SE
20230527_0100	0.3	NNW
20230527_0120	1.1	
20230527_0130	1.1	ENE ESE
20230527_0140	1.4	ENE
20230527_0150 20230527_0200	1.1 0.8	E ESE
20230527_0200 20230527_0210	0.8	N
20230527 0220	0.8	ENE
20230527 0230	1.4	NE
20230527_0240	1.4	E
20230527_0250	1.4	ENE
20230527 0300 20230527 0310	1.4	ENE
20230527_0310 20230527_0320	1.7	ENE
20230527_0330	1.1	ENE
20230527_0340	1.4	ENE
20230527_0350	1.4	ENE
20230527_0400	1.1	ENE
20230527_0410 20230527_0420	0.8	NE ENE
20230527_0410 20230527_0410 20230527_0420 20230527_0430 20230527_0440	0.8	ENE
20230527 0440	0.3	ENE
20230527_0450	0.8	E
20230527_0450 20230527_0450 20230527_0500 20230527_0510 20230527_0520	0	N
20230527_0510	0.3	ENE
20230527_0520 20230527_0530	1.1	E
20230527_0530 20230527_0530 20230527_0540 20230527_0550	0.3	E
20230527_0550	0.3	ENE
20230527 0600	0	N
20230527 0610	0.3	SE
20230527_0620 20230527_0630	0.8	ESE ENE
20230527_0050	0.3	NE
20230527 0650	0.6	NNE
20230527_0700	0.3	NE
20230527_0710	0.8	NE
20230527_0720	0.8	ENE
20230527_0730 20230527_0740	0	N N
20230527_0740	0.3	NNE
20230527 0800	0.8	NNE
20230527_0810	0.3	-
20230527_0820	1.1	E
20230527_0830 20230527_0840	0.8	SE
20230527_0840 20230527_0850	1.1 1.7	E
20230527_0900	1.7	E
20230527 0910	1.7	E
20230527 0920	1.7	E
20230527_0930	2.2	ESE
20230527_0940 20230527_0950	1.9 1.7	E
20230527_0950 20230527_1000	1.7	ESE ESE
20230527_1000	1.9	ESE
20230527 1020	2.2	E
20230527_1030	2.5	E
20230527_1040	2.2	E
20230527_1050	2.2 2.5	E
20230527 1100 20230527_1110	2.5	E
20230527_1120	2.5	E
20230527 1130	2.8	E
20230527_1140	3.3	E
20230527_1150	2.8	ENE

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (From)
20230527_1200	3.3	ESE
20230527 1210	3.3	ESE
20230527 1220	3.1	Е
20230527 1230	3.3	ESE
20230527_1250	3.3	E
20230527_1240	2.5	E
20230527_1300	3.3	E
20230527_1310	3.3	E
20230527 1320	3.3	Е
20230527 1330	3.3	Е
20230527 1340	3.3	E
20230527_1350	3.3	E
20230527_1400	3.6	E
20230527_1410	3.3	ENE
20230527_1420	3.9	ENE
20230527 1430	3.3	E
20230527_1440	3.1	E
20230527 1450	3.3	E
20230527_1500	3.1	E
20230527_1510	3.6	E
	2.0	
20230527_1520	3.6	E
20230527_1530	3.3	E
20230527_1540	3.9	E
20230527_1550	3.3	E
20230527_1600	3.3 3.3 3.3	E
20230527_1610	3.3	Ē
20230527 1620	3.3	E
20230527_1630	4.2	E
20230527_1050	3.3	ESE
20230527_1040	3.3	E
20230527_1700	3.6	ESE
20230527 1710 20230527_1720	3.6	ESE
20230527 1710 20230527_1720 20230527_1730 20230527_1740	4.2	ESE
20230527_1730	3.3	ESE
20230527 1740	3.1	E
20230527 1750	2.8	Ē
20230527 1800	2.8	ESE
20230527_1810	2.5	ESE
	1.9	
20230527_1820	2.5	ESE
20230527_1830		E
20230527_1840	2.5	ESE
20230527_1850	2.8	ESE
20230527_1900	2.5	SE
20230527 1910	1.7	SE
20230527 1920	2.5	SE
20230527 1930	2.2	SE
20230527 1940	2.5	ESE
20230527 1940	2.5	ESE
	2.8	ESE
20230527_2010	3.3	ESE
20230527_2020	3.6	ESE
20230527_2030	2.8	ESE
20230527_2040	2.8	ESE
20230527 2050	2.8	ESE
20230527_2100	2.8	SE
20230527_2110	3.1	SE
20230527_2120	3.3	SE
20230527 2120	2.8	SE
	2.5	SE
20230527_2150	2.2	ESE
20230527_2200 20230527_2210	3.3	SE
20230527_2210	2.2	SE
20220527 2220	2.5	ESE
20230527 2230	3.3	ESE
20230527 2240	2.2	ESE
20230527 2250	2.2	ESE
20230527 2230 20230527 2230 20230527 2240 20230527 2250 20230527 2300 20230527 2310 20230527 2320	3.3	ESE
20220527 2210		
20230527_2310		ESE
20230527_2320	3.3	ESE
20230327_2330	3.9	SE
20230527_2340	3.6	ESE
20230527_2350	3.3	ESE

Date & Time	Wind Speed (m/s)	Wind Direction (From)
(YYYYMMBB HHMM) 20230528_0000	2.5	E
20230528_0000	1.7	ESE
20230528_0020	2.2 3.3	ESE
20230528_0030	3.3	ESE
20230528_0040	2.2	ESE
20230528 0050 20230528_0100	3.1 2.8	ESE ESE
20230528_0100 20230528_0110	2.8	ESE
20230528_0110	2.2	
20230528_0120 20230528_0130	2.8	ESE ESE
20230528_0140	2.5	ESE
20230528_0150	2.5	ESE
20230528_0200	2.5	ESE
20230528_0210	2.5 2.5	E
20230528_0220 20230528_0230	2.5	E
20230528_0240	2.5	E
20230528_0250	1.7	ESE
20230528 0300	1.9	E
20230528_0310	1.7	ESE
20230528_0320	1.7	E
20230528_0330	1.1	E
20230528_0340 20230528_0350	2.2	E
20230528_0500	2.2	E
20230528 0410	2.2	E
20230528_0420 20230528_0420 20230528_0430 20230528_0440	2.2	E
20230528_0430	1.7	E
20230528_0440	2.2	E
20230528 0450 20230528 0500 20230528 0510 20230528 0510 20230528 0520	2.5	E ESE
20230528_0500	1.9	E
20230528 0510	1.7	E
20230528 0530	1.9	Ē
20230528 0540 20230528_0550	1.4	E
20230528_0550	1.7	E
20230528_0600	1.7	ESE
20230528 0610 20230528 0620	1.4 1.7	ESE SE
20230528_0630	1.7	ESE
20230528_0640	2.2	ESE
20230528_0650	2.5	ESE
20230528_0700	2.5	ESE
20230528_0710	2.2	E
20230528_0720 20230528_0730	2.2 2.2	E ESE
20230528_0730 20230528_0740	2.2	ESE
20230528_0740	2.5	ESE
20230528 0800	2.8	E
20230528 0810	2.5	E
20230528 0820	2.2	E
20230528_0830	2.2	E
20230528_0840 20230528_0850	2.2 2.5	E ESE
20230528 0850 20230528 0900	2.5	ESE
20230528_0910	2.5	E
20230528 0920	3.1	E
20230528 0930	3.3	E
20230528_0940	3.1	E
20230528_0950 20230528_1000	2.8 2.8	E
20230528_1000 20230528_1010	2.8	E
20230528_1010	3.1	E
20230528_1020	3.3	E
20230528_1040	3.1	Ē
20230528_1050	3.3	ESE
20230528 1100	3.6	ESE
20230528_1110	3.6	ESE
20230528_1120 20230528_1130	3.9 3.9	E E
20230528_1140	3.9	Ē

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (From)
20230528_1200	4.2	E
20230528_1210	3.3	E
20230528 1220	4.2	E
20230528_1230	3.9	E
20230528 1240	3.9	Е
20230528 1250	3.3	ESE
20230528 1300	4.4	Е
20230528 1310	4.2	E
20230528 1320	3.9	Ē
20230528 1330	4.2	Ē
20230528 1340	4.4	Ē
20230528 1350	3.9	E
20230528_1550	4.2	E
20230528_1410	4.2	E
20230528 1420	4.2	E
20230528_1420	4.4	ENE
20230528_1450		
20230528_1440	4.2	E
20230528_1450	4.2	E
20230528_1500	4.4	E
20230528_1510	3.6	E
20230528_1520	3.9	E
20230528_1530	3.9	E
20230528_1540	3.9	E
20230528_1550	3.3	Е
20230528 1540 20230528 1540 20230528 1550 20230528 1600 20230528 1610	4.2	E
20230528_1610	3.9	E
20230528_1620	3.3	E
20230528_1630	3.9	E
20230528_1640	3.9	E
20230528_1650	3.6	E
20230528_1700	3.3	E
20230528_1710	3.3	E
20230528_1720	3.1	E
20230528_1730	2.5 2.8	ESE
20230528_1740	2.8	E
20230528 1720 20230528 1720 20230528 1730 20230528 1740 20230528 1750	2.8	E
20230528 1800	2.2	E
20230528_1810	2.5	ESE
20230528_1820	2.5	ESE
20230528_1830	1.7	ESE
20230528_1840	1.4	ESE
20230528_1850	1.4	ESE
20230528_1900	1.4	SE
20230528_1910	1.7	SE
20230528_1920	2.2	ESE
20230528_1930	2.2	ESE
20230528_1940	2.2	E
20230528_1950	2.2	E
20230528_2000	2.2	ESE
20230528_2010	2.2	E
20230528_2020	2.2	ESE
20230528_2030	2.2	ESE
20230528_2040	1.9	ESE
20230528_2050	2.5	ESE
20230528_2100	2.5	ESE
20230528_2110	2.2	ESE
20230528_2120	1.7	ESE
20230528_2130	1.9	ESE
20230528_2140	1.7	ESE
20230528 2150	1.7	ESE
20230528_2200	1.7	ESE
20230528_2200 20230528_2210	1.4	ESE
20230528 2220	1.7	ESE
20230528_2230	1.7	ESE
20230528_2240	1.7	ESE
20230528 2250	1.7	ESE
20230528 2300	2.2 1.7	ESE
20230528_2310	1.7	ESE
20230528 2320	1.7	ESE
20230528 2330 20230528 2330 20230528 2340 20230528 2350	1.4	SE
20230528_2340	1.7	ESE
20220520 2250	1.7	ESE

Date & Time	Wind Speed (m/s)	Wind Direction (From)
(YYYYMMBB HHMM)		
20230529_0000 20230529_0010	1.7 2.2	ESE ESE
20230529_0010	1.7	ESE
20230529 0030	1.7	ESE ESE
20230529 0040	1.7	ESE
20230529_0050	1.4	ESE ESE
20230529_0100	1.1	ESE
20230529_0110	1.1	ESE
20230529_0120 20230529_0130	1.4 2.2	EEE
20230529_0130	1.4	ESE
20230529_0150	1.4	ESE
20230529 0200	0.8	ESE
20230529_0210	1.1	E
20230529_0220	1.4	ESE
20230529 0230	1.4	ESE
20230529_0240 20230529_0250	1.1	ESE
20230529_0250	1.4 0.6	ESE ENE
20230529_0310	0.8	ENE
20230529 0320	0,3	ENE
20230529 0330	0.3	ENE
20230529 0340	0.3	-
20230529_0350	0.8	ENE
20230529_0400	1.9 2.2	ENE
20230529_0410 20230529_0420	2.2	ENE
20230529_0420	2.2	ENE
20230529_0440	2.2	E
20230529 0450	3.1	E
20230529_0500	3.1	E
20230529_0510	3.3	E
20230529_0520	3.3	E
20230529_0530	3.3	E
20230529 0540 20230529 0550	2.8 2.8	E
20230529_0500	3.3	E
20230529_0610	3.3	ENE
20230529 0620	3.3	ENE
20230529 0630	2.5	E
20230529_0640	2.8	E
20230529_0650	3.1	E
20230529_0700 20230529_0710	2.5	E ESE
20230529 0710	3.1	SE
20230529_0720	2.5	E
20230529 0740	3.1	ESE
20230529_0750	2.5	ESE
20230529_0800	2.8	ESE
20230529_0810	2.8	ESE
20230529 0820 20230529 0830	2.8 2.5	ESE ESE
20230529_0830	2.5	E
20230529_0840	2.8	E
20230529 0900	2.8	E
20230529_0910	2.5	ESE
20230529_0920	3.1	E
20230529_0930	2.5	E
20230529_0940	2.5	E
20230529_0950 20230529_1000	2.8 2.8	E ESE
20230529_1000	3.1	E
20230529 1020	3.3	E
20230529_1030	3.3	Ē
20230529_1040	2.5	Е
20230529_1050	2.2	E
20230529 1100	2.5	ESE
20230529_1110	2.2	E
20230529_1120 20230529_1130	1.7	E
20230529_1130 20230529_1140	1.4	ESE

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (From)
20230529 1200	1.9	ESE
20230529_1210 20230529_1220 20230529_1220 20230529_1230	1.7	ESE
20230529 1220	2.2	E ESE
20230529_1230	1.7	ESE
20230529_1240	1.7	ESE
20230529_1250	1.7	ESE
20230529_1300	2.2	SE
20230529_1310	1.4	S
20230529_1320	1.7	SE
20230529_1330 20230529_1340	0.8	ESE
20230529_1340 20230529_1350	0.8	SE
20230529_1350 20230529_1400	0.8	S NNE
20230529_1400	0.3	N
20230529_1410	0.3	NNE
20230529_1420	0.5	W
20230529 1440	0.8	SW
20230529 1450	0	N
20230529 1500	0	N
20230529 1510	0.3	S
20230529 1520	0.8	ESE
20230529 1520 20230529 1530	0.3	NNE
20230529_1540	0.3	NNE
20230529_1550	0	N
20230529_1600	0.3	SW
20230529_1610	0.3	NNW
20230529_1620	0.8	W
20230529_1630	1.1	SSW
20230529_1640 20230529_1650 20230529_1700	0.8	E
20230529_1650	1.1	E
20230529_1700 20230529_1710	1.1 0.3	SW
20230529 1710 20230529_1720	0.3	W
20230529_1720	0.3	E
20230529_1730 20230529_1740	0.3	SE
20230529_1740 20230529_1750	1.4	SSE
20230529_1750	1.1	SSE
20230529_1800	1.1	S
20230529_1810	1.4	S
20230529_1830	1.1	S
20230529 1840	1.4	S
20230529 1850	0.8	SW
20230529_1900	0.8	Е
20230529_1910	0.3	Е
20230529_1920	0.3	WNW
20230529_1930	0.8	SSW
20230529_1940	1.1	SSE
20230529_1950	0.6	SE
20230529_2000	0	N
20230529_2010	0.3	S
20230529 2020	0.8	SSE
20230529_2030	1.4	SSE
20230529_2040	1.1	SE
20230529 2050	0.3	SSE
20230529_2100	0.3	-
20230529_2110	0.8	SSE
20230529_2120	0.3	-
20230529_2130	0.3	- N
20230529_2140	0	N
20230529_2150 20230529_2200	0.3	N ENE
20230529_2200	0.5	LINE
20230520 2220	0.8	N
20230529_2220	0.3	SSW
20230529 2240	0.3	ESE
20230529_2240 20230529_2250 20230529_2250 20230529_2300	0.5	N
20230529 2300	0	N
20230529 2230 20230529 2230 20230529 2240 20230529 2250 20230529 2300 20230529 2310	0.3	ESE
20230329 2320	0.8	ESE
20230529_2330	0.3	-
20230529_2340	0	N
20230529_2350	0	Ν

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (From)
20230530_0000	0	N
20230530 0010	0	N
20230530 0020	0	N
20230530_0030	0	N
20230530_0040	0	N
20230530 0050	0	N
20230530_0100	0	N
20230530_0110 20230530_0120	0.8	N ESE
20230530 0120	0.8	SSE
20230530_0140	1.4	SE
20230530_0150	1.4	ESE
20230530_0200	1.4	ESE
20230530_0210	2.5	NNE
20230530_0220	1.1	SSE
20230530 0230	1.9	NNE
20230530_0240	1.7	SSE
20230530_0250	1.4	SSW
20230530 0300 20230530 0310	1.7 0.8	ENE
20230530_0310 20230530_0320	2.2	NNE
20230530_0320	3.1	NE
20230530_0340	1.4	SSW
20230530_0350	1.7	W
20230530 0400	0.3	-
20230530_0410	1.1	ENE
20230530_0420	0.3	-
20230530_0430	1.4	WSW
20230530_0440	1.4	NNE
20230530_0450 20230530_0500	1.1 0.6	ESE
20230530_0500	0.3	ESE
20230530_0510	0.5	SE
20230530 0530	1.4	E
20230530 0540	1.7	Ē
20230530 0550	0.3	NE
20230530_0600	1.1	NE
20230530_0610	0.8	-
20230530_0620	0.3	E
20230530_0630	0.8	NNE
20230530 0640 20230530 0650	1.7 2.8	SE SSE
20230530_0650	2.8	SSE
20230530_0700	1.7	S
20230530 0720	1.7	S
20230530 0730	1.4	SE
20230530 0740	0.8	SSE
20230530_0750	0.8	SE
20230530_0800	0.3	-
20230530_0810	0	N
20230530 0820	0.3	-
20230530_0830 20230530_0840	1.1	S SSE
20230530_0840 20230530_0850	0.8	SE
20230530_0850	0.8	SE WNW
20230530_0900	0.8	ENE
20230530_0910	1.1	ENE
20230530 0920	0.8	NNW
20230530 0940	1.4	NNE
20230530 0950	1.4	NNE
20230530_1000	1.4	ENE
20230530_1010	1.1	SE
20230530_1020	0.8	ESE
20230530_1030	0	N
20230530_1040	0	N
20230530_1050	0 0.3	N
20230530 1100 20230530_1110	0.3	ESE
20230530_1110 20230530_1120	0.5	ESE
20230530_1120	0.8	ESE
20230530_1150 20230530_1140	0.8	SSE
20230530_1150	0.6	SE

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (From)
20230530_1200	1.1	ESE
20230530_1210	1.7	SE
20230530 1220	1.4	SSE
20230530_1230	0	N
20230530_1240	0	N
20230530_1250	0	N
20230530_1300	0.8	SSE
20230530_1310	1.1	S
20230530_1320	1.1	SE
20230530_1330	0.3	ESE
20230530_1340	0	N
20230530_1350	0.8	E
20230530_1400	1.4	ESE
20230530_1410	1.4	SE
20230530_1420	0.8	ESE
20230530_1430	0.6	-
20230530_1440	0.8	ESE
20230530_1450	0	N
20230530 1500	0	N
20230530_1510	0.8	WSW
20230530 1520	1.1	WSW
20230530 1530	1.7	WSW
20230530 1530 20230530_1540	1.7	SW
20230530_1550	2.5	SW
20230530 1600	2.2	SW
20230530 1610	1.4	SW
20230530 1620	1.7	SW
20230530 1630	0.8	WSW
20230530_1640 20230530_1650	1.7	WSW
20230530 1650	2.2	SW
20230530 1700	1.7	WSW
20230530 1710	0.8	W
20230530_1710	0.6	W
20230530_1720	0.8	WSW
20230530_1750	0.3	11311
20230530 1740	0.3	SSW
	0.5	N N
	0	N
20230530 1810 20230530 1820	0.3	NW
	1.4	WNW
20230530 1840 20230530 1850	0.8	W
	0	
20230530_1900	0.8	NNE
20230530_1910	0.8	E
20230530_1920	0.8	NE
20230530_1930	0.6	NE
20230530_1940	0.3	SSE
20230530_1950	0.8	NNE
20230530_2000	0.8	SSW
20230530_2010	0.3	-
20230530_2020	0.3	N
20230530_2030	0.6	NW
20230530_2040	0	N
20230530_2050	1.1	SSE
20230530_2100	1.4	SSE
20230530_2110	0.8	SW
20230530_2120	1.4	S
20230530_2130	0.8	S
20230530_2140	0.6	ESE
20230530_2150	0.6	E
20230530_2200	0.3	ESE
20230530_2210	0.3	-
20230530 2220	0	N
20230530_2220 20230530_2230 20230530_2240	0	Ň
20230530 2240	0	N
20230530 2250	0.3	Ē
20230530_2300	0.0	N
20230530_2310	0	N
20230530 2320	0	N
20230530_2330	0	N
20230530_2320 20230530_2330 20230530_2340 20230530_2350	0	N
20230330_2340	0.3	ENE

(YYYMABB         (MMA)         (MMA)         (MMA)         (MMA)         (MMA)           20230531         0000         0         N         N         N           20230531         0020         0         N         N         N           20230531         0030         0         N         N         N           20230531         0140         0         N         N         N           20230531         0130         0         N         N         N           20230531         0140         0         N         N         N           20230531         0140         0         N         N         N           20230531         0150         0         N         N         N           20230531         0240         0         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N	Date & Time	Wind Speed (m/s)	Wind Direction (From)
2023033         0010         0         N           20230531         0030         0         N           20230531         0040         0         N           20230531         0040         0         N           20230531         0100         0         N           20230531         0110         0.3         S           20230531         0120         0         N           20230531         0120         0         N           20230531         0140         0         N           20230531         0220         0         N           20230531         0220         0         N           20230531         0220         0         N           20230531         0230         0         N           20230531         0230         0         N           20230531         0300         0         N           20230531         0300         0         N           20230531         0300         0         N           20230531         0400         0.3         -           20230531         0400         0.3         NE           20230531	(YYYYMMBB HHMM) 20220521 0000		
20230531         0040         0         N           20230531         0050         0         N           20230531         0110         0.3         S           20230531         0110         0.3         S           20230531         0120         0         N           20230531         0120         0         N           20230531         0120         0         N           20230531         0120         0         N           20230531         0220         0         N           20230531         0220         0         N           20230531         0220         0         N           20230531         0230         0         N           20230531         0230         0         N           20230531         0300         0         N           20230531         0300         0         N           20230531         0300         0         N           20230531         0400         0.3         -           20230531         0400         0.3         NE           20230531         0400         0.3         NE           20230531			
20230531         0040         0         N           20230531         0100         0         N           20230531         0110         0.3         S           20230531         0110         0         N           20230531         0130         0         N           20230531         0140         0         N           20230531         0150         0         N           20230531         0210         0         N           20230531         0210         0         N           20230531         0230         0         N           20230531         0230         0         N           20230531         0230         0         N           20230531         0300         0         N           20230531         0300         0         N           20230531         0300         0         N           20230531         0400         0         N           20230531         0410         0.3         NW           20230531         0410         0.3         NW           20230531         0440         0.3         NW           20230531	20230531_0020	0	N
20230531         0100         0         N           20230531         0110         0.3         S           20230531         0120         0         N           20230531         0120         0         N           20230531         0130         0         N           20230531         0150         0         N           20230531         0200         0         N           20230531         0200         0         N           20230531         0220         0         N           20230531         0220         0         N           20230531         0230         0         N           20230531         0230         0         N           20230531         030         0         N           20230531         030         0         N           20230531         030         0         N           20230531         0400         0         N           20230531         0400         0         N           20230531         0400         0         N           20230531         0400         0         N           20230531         050			
20230531         0100         0         N           20230531         0110         0.3.3         S           20230531         0130         0         N           20230531         0140         0         N           20230531         0150         0         N           20230531         0200         0         N           20230531         0200         0         N           20230531         0230         0         N           20230531         0230         0         N           20230531         0240         0         N           20230531         0250         0         N           20230531         0310         0         N           20230531         0320         0.3         SSW           20230531         030         0         N           20230531         0400         0         N           20230531         0410         2.2         S           20230531         0410         0.3         NE           20230531         0420         1.1         S           20230531         0430         0.8         SSE           20230531 </td <td></td> <td></td> <td></td>			
20230531         0120         0         N           20230531         0130         0         N           20230531         0140         0         N           20230531         0150         0         N           20230531         0150         0         N           20230531         0220         0         N           20230531         0220         0         N           20230531         0220         0         N           20230531         0220         0         N           20230531         0240         0         N           20230531         0300         0         N           20230531         0300         0         N           20230531         0300         0         N           20230531         0410         2.2         S           20230531         0410         2.2         S           20230531         0410         0.3         N           20230531         0410         0.3         N           20230531         0410         0.3         N           20230531         0500         0.3         NE           20230531	20230531_0050		
20230531         0.130         0         N           20230531         0.150         0         N           20230531         0.200         0         N           20230531         0.210         0         N           20230531         0.210         0         N           20230531         0.210         0         N           20230531         0.220         0         N           20230531         0.240         0         N           20230531         0.240         0         N           20230531         0.300         0         N           20230531         0.300         0         N           20230531         0.30         0         N           20230531         0.400         0         N           20230531         0.400         0         N           20230531         0.400         0.3         NW           20230531         0.400         0.3         NE           20230531         0.400         0.3         NE           20230531         0.500         0.3         NE           20230531         0.500         0.3         NE			
20230531         0140         0         N           20230531         0200         0         N           20230531         0210         0         N           20230531         0210         0         N           20230531         0220         0         N           20230531         0230         0         N           20230531         0240         0         N           20230531         0300         0         N           20230531         0310         0         N           20230531         0320         0.3         SSW           20230531         0320         0         N           20230531         0340         0.3         -           20230531         0400         0         N           20230531         0410         2.2         S           20230531         0420         1.1         S           20230531         0420         0.3         NE           20230531         0440         0.3         NW           20230531         0500         0.3         ENE           20230531         0500         0.3         NE           20230	20230531_0120		
20230531         020         0         N           20230531         0210         0         N           20230531         0210         0         N           20230531         0220         0         N           20230531         0230         0         N           20230531         0230         0         N           20230531         0230         0         N           20230531         0300         0         N           20230531         0300         0         N           20230531         0300         0         N           20230531         0300         0         N           20230531         0400         0.3         -           20230531         0400         0         N           20230531         0400         0         N           20230531         0400         0.3         NW           20230531         0400         0.3         NE           20230531         0500         0.3         NE           20230531         0500         0.3         SW           20230531         0500         0.3         NE           20230531 <td></td> <td></td> <td></td>			
20230531         0210         0         N           20230531         0210         0         N           20230531         0220         0         N           20230531         0220         0         N           20230531         0220         0         N           20230531         0250         0         N           20230531         0300         0         N           20230531         0320         0.3         SSW           20230531         0300         0         N           20230531         0300         0         N           20230531         0300         0         N           20230531         0400         0         N           20230531         0410         0.2         S           20230531         0420         1.1         S           20230531         0420         0.3         NE           20230531         0440         0.3         NW           20230531         0540         0.3         NE           20230531         0540         0.3         NE           20230531         0540         0.3         NE           20230			
20230531         0210         0         N           20230531         0220         0         N           20230531         0230         0         N           20230531         0230         0         N           20230531         0250         0         N           20230531         0300         0         N           20230531         0310         0         N           20230531         0320         0.3         SSW           20230531         0320         0         N           20230531         0300         0         N           20230531         0400         0.3         -           20230531         0410         0.3         NW           20230531         0400         0.3         NW           20230531         0400         0.3         NE           20230531         0500         0.3         ENE           20230531         0500         0.3         NE           20230531         0500         0.3         SW           20230531         0500         0.3         SW           20230531         0500         0         N	20230531_0100		
20230531         0230         0         N           20230531         0240         0         N           20230531         0250         0         N           20230531         0300         0         N           20230531         0310         0         N           20230531         0320         0.3         SSW           20230531         0320         0         N           20230531         0340         0.3         -           20230531         0400         0         N           20230531         0400         0         N           20230531         0400         0         N           20230531         0410         0.3         NW           20230531         0440         0.3         NW           20230531         0510         0.3         ENE           20230531         0510         0.3         -           20230531         0500         0.3         SW           20230531         0500         0.3         SW           20230531         0500         0         N           20230531         0500         0         N           2023	20230531_0210		N
20230531         0240         0         N           20230531         0200         0         N           20230531         0310         0         N           20230531         0310         0         N           20230531         0330         0         N           20230531         0340         0.3         SSW           20230531         0340         0.3         -           20230531         0400         0         N           20230531         0410         2.2         S           20230531         0410         0.3         NW           20230531         0410         0.3         NW           20230531         0430         0.8         SSE           20230531         0500         0.3         NE           20230531         0500         0         N           20230531         0500         0         N			
20230531         0250         0         N           20230531         0310         0         N           20230531         0320         0.3         SSW           20230531         0320         0.3         SSW           20230531         0330         0         N           20230531         0350         0         N           20230531         0400         0         N           20230531         0400         0         N           20230531         0420         1.1         S           20230531         0420         1.1         S           20230531         0440         0.3         NW           20230531         0450         0.3         NE           20230531         0510         0.3         ENE           20230531         0520         0         N           20230531         0520         0         N           20230531         0520         0.3         SW           20230531         0500         0.3         SW           20230531         0500         0.3         SW           20230531         0500         0         N           <			
20230531         0300         0         N           20230531         0310         0         0         N           20230531         0320         0.3         SSW           20230531         0330         0         N           20230531         0340         0.3         -           20230531         0400         0         N           20230531         0400         0         N           20230531         0410         2.2         S           20230531         0430         0.8         SSE           20230531         0440         0.3         NW           20230531         0440         0.3         NE           20230531         0510         0.3         NE           20230531         0520         0         N           20230531         0530         0         N           20230531         0500         0.3         SW           20230531         0500         0.3         SW           20230531         0600         0.3         -           20230531         0600         0.3         -           20230531         0600         0         N			
20230531 0310         0         N           20230531 0320         0.3         SSW           20230531 0330         0         N           20230531 0330         0         N           20230531 0350         0         N           20230531 0400         0         N           20230531 0410         2.2         S           20230531 0420         1.1         S           20230531 0430         0.8         SSE           20230531 0440         0.3         NW           20230531 0500         0.3         ENE           20230531 0510         0.3         NE           20230531 0520         0         N           20230531 0520         0         N           20230531 0540         0.3         SW           20230531 0550         0.3         SW           20230531 0550         0.3         SW           20230531 0500         0         N           20230531 0600         0         N	20230531 0300		
20230531         0320         0.3         SSW           20230531         0300         0         N           20230531         0300         0         N           20230531         0400         0.3         -           20230531         0400         0         N           20230531         0410         2.2         S           20230531         0410         2.2         S           20230531         0440         0.3         NW           20230531         0440         0.3         NE           20230531         0500         0.3         ENE           20230531         0510         0.3         -           20230531         0510         0.3         NE           20230531         0510         0.3         NE           20230531         0500         0.3         SW           20230531         0500         0.3         SW           20230531         0500         0.3         SW           20230531         0600         0         N           20230531         0600         0         N           20230531         0600         0         N	20230531_0310	0	N
20230531         0.540         0.3         -           20230531         0400         0         N           20230531         0400         0         N           20230531         0410         2.2         S           20230531         0410         0.2         S           20230531         0430         0.8         SSE           20230531         0440         0.3         NW           20230531         0450         0.3         NE           20230531         0510         0.3         ENE           20230531         0510         0.3         -           20230531         0510         0.3         NE           20230531         0540         0.3         NE           20230531         0550         0.3         SW           20230531         0600         0         N           20230531         0610         0         N           20230531         0630         0         N           20230531         0630         0         N           20230531         0730         0         N           20230531         0730         0         N	20230531_0320		
20230531         0.00         0         N           20230531         0400         0         0         N           20230531         0410         2.2         S         S           20230531         0430         0.8         SSE         SE           20230531         0430         0.3         NW         S           20230531         0500         0.3         NE         S           20230531         0500         0.3         N         S           20230531         0500         0         N         S           20230531         0610         0         N         S           20230531         0610         0         N         S           20230531 <td< td=""><td>20230531_0330</td><td></td><td>N</td></td<>	20230531_0330		N
20230531         0400         0         N           20230531         0410         2.2         S           20230531         0420         1.1         S           20230531         0420         1.1         S           20230531         0440         0.3         NW           20230531         0440         0.3         NW           20230531         0500         0.3         ENE           20230531         0510         0.3         -           20230531         0520         0         N           20230531         0530         0         N           20230531         0530         0         N           20230531         0500         0.3         SW           20230531         0500         0.3         SW           20230531         0500         0         N           20230531         0600         0         N           20230531         0640         0         N           20230531         0650         0         N           20230531         0710         0         N           20230531         0730         0         N           2023	20230531_0350		N
20230531         0420         1.1         S           20230531         0430         0.8         SSE           20230531         0440         0.3         NW           20230531         0450         0.3         NE           20230531         0510         0.3         ENE           20230531         0510         0.3         FE           20230531         0520         0         N           20230531         0530         0         N           20230531         0550         0.3         SW           20230531         0550         0.3         SW           20230531         0600         0.3         -           20230531         0600         0.3         -           20230531         0600         0         N           20230531         0600         0         N           20230531         0600         0         N           20230531         0600         0         N           20230531         0700         0         N           20230531         0700         0         N           20230531         0700         0         N <td< td=""><td>20230531 0400</td><td>0</td><td>N</td></td<>	20230531 0400	0	N
20230531 04430         0.8         SSE           20230531 0440         0.3         NW           20230531 0450         0.3         NE           20230531 0500         0.3         ENE           20230531 0510         0.0.3         FNE           20230531 0510         0.0.3         -           20230531 0530         0         N           20230531 0530         0         N           20230531 0550         0.3         SW           20230531 0500         0.3         -           20230531 0500         0.3         -           20230531 0600         0.3         -           20230531 0600         0         N           20230531 0640         0         N           20230531 0650         0         N           20230531 0710         0         N           20230531 0720         0         N           20230531 0740         0         N           20230531 0740         0         N           20230531 0800         0         N           20230531 0800         0         N           20230531 0800         0         N           20230531 0800         0         N </td <td>20230531_0410</td> <td></td> <td>S</td>	20230531_0410		S
20230531 0440         0.3         NW           20230531 0500         0.3         NE           20230531 0500         0.3         ENE           20230531 0500         0.3         ENE           20230531 0520         0         N           20230531 0520         0         N           20230531 0530         0         N           20230531 0540         0.3         NE           20230531 0540         0.3         NE           20230531 0650         0.3         SW           20230531 0650         0.3         -           20230531 0600         0         N           20230531 0650         0         N           20230531 0640         0         N           20230531 0700         0         N           20230531 0710         0         N           20230531 0730         0         N           20230531 0730         0         N           20230531 0740         0         N           20230531 0750         0         N           20230531 0800         0         N           20230531 0810         0         N           20230531 0840         0.3         SE			
20230531         OS         NE           20230531         0500         0.3         ENE           20230531         0510         0.3         FN           20230531         0520         0         N           20230531         0520         0         N           20230531         0520         0         N           20230531         0550         0.3         NE           20230531         0500         0.3         SW           20230531         0600         0.3         -           20230531         0600         0         N           20230531         0600         0         N           20230531         0600         0         N           20230531         0650         0         N           20230531         0650         0         N           20230531         0710         0         N           20230531         0730         0         N           20230531         0740         0         N           20230531         0740         0         N           20230531         0740         0         N           20230531         0800 <td>20230531 0430</td> <td></td> <td></td>	20230531 0430		
20230531         0500         0.3         ENE           20230531         0510         0.0         N           20230531         0520         0         N           20230531         0520         0         N           20230531         0530         0         N           20230531         0530         0         N           20230531         0540         0.3         NE           20230531         0500         0.3         SW           20230531         0610         0         N           20230531         0630         0         N           20230531         0630         0         N           20230531         0650         0         N           20230531         0650         0         N           20230531         0700         0         N           20230531         0700         0         N           20230531         0700         0         N           20230531         0730         0         N           20230531         0740         0         N           20230531         0800         0         N           20230531	20230531_0450	0.3	
20230531         0520         0         N           20230531         0530         0         N           20230531         0550         0.3         NE           20230531         0550         0.3         SW           20230531         0550         0.3         SW           20230531         0600         0.3         -           20230531         0610         0         N           20230531         0630         0         N           20230531         0640         0         N           20230531         0650         0         N           20230531         0710         0         N           20230531         0710         0         N           20230531         0710         0         N           20230531         0740         0         N           20230531         0740         0         N           20230531         050         0         N           20230531         050         0         N           20230531         0800         0         N           20230531         0820         0         N           20230531		0.3	
20230531         0530         0         N           20230531         0540         0.3         NE           20230531         0550         0.3         SW           20230531         0550         0.3         SW           20230531         0500         0         N           20230531         0600         0         N           20230531         0620         0         N           20230531         0650         0         N           20230531         0650         0         N           20230531         0700         0         N           20230531         0710         0         N           20230531         0730         0         N           20230531         0800         0         N           20230531         0800         0         N           20230531			-
20230531         OS40         0.3         NE           20230531         0500         0.3         SW           20230531         0600         0.3         -           20230531         0610         0         N           20230531         0610         0         N           20230531         0610         0         N           20230531         0630         0         N           20230531         0640         0         N           20230531         0650         0         N           20230531         0710         0         N           20230531         0720         0         N           20230531         0730         0         N           20230531         0730         0         N           20230531         0730         0         N           20230531         0740         0         N           20230531         0800         0         N           20230531         0800         0         N           20230531         0800         0         N           20230531         0800         0         N           20230531			
20230531         0550         0.3         SW           20230531         0600         0.3         -           20230531         0610         0         N           20230531         0620         0         N           20230531         0620         0         N           20230531         0650         0         N           20230531         0560         0         N           20230531         0700         0         N           20230531         0710         0         N           20230531         0710         0         N           20230531         0730         0         N           20230531         0730         0         N           20230531         0750         0         N           20230531         0810         0         N           20230531         0810         0         N           20230531         0810         0         N           20230531         0840         0.3         SSW           20230531         0910         0.3         -           20230531         0910         0.3         -           20230531			
20230531         0600         0.3         -           20230531         0610         0         N           20230531         0630         0         N           20230531         0630         0         N           20230531         0630         0         N           20230531         0640         0         N           20230531         0650         0         N           20230531         0700         0         N           20230531         0710         0         N           20230531         0730         0         N           20230531         0740         0         N           20230531         0800         0         N           20230531         0820         0         N           20230531         0820         0         N           20230531		0.3	
20230531         0520         0         N           20230531         0630         0         N           20230531         0650         0         N           20230531         0700         0         N           20230531         0700         0         N           20230531         0700         0         N           20230531         0710         0         N           20230531         0720         0         N           20230531         0730         0         N           20230531         0730         0         N           20230531         0750         0         N           20230531         0750         0         N           20230531         0800         0.3         SSW           20230531         0900         0.6         SSE           20230531         0900         0.6         N           20230531	20230531_0600	0.3	-
20230531         0630         0         N           20230531         0640         0         N           20230531         0650         0         N           20230531         0650         0         N           20230531         0700         0         N           20230531         0710         0         N           20230531         0710         0         N           20230531         0720         0         N           20230531         0730         0         N           20230531         0730         0         N           20230531         0740         0         N           20230531         0500         0         N           20230531         0800         0         N           20230531         0820         0         N           20230531         0830         0         N           20230531         0850         0.3         SSW           20230531         0940         0         N           20230531         0940         0         N           20230531         0940         0         N           20230531 <t< td=""><td>20230531_0610</td><td></td><td></td></t<>	20230531_0610		
20230531         0540         0         N           20230531         0500         0         N           20230531         0700         0         N           20230531         0710         0         N           20230531         0710         0         N           20230531         0730         0         N           20230531         0730         0         N           20230531         0740         0         N           20230531         0750         0         N           20230531         0800         0         N           20230531         0800         0         N           20230531         0810         0         N           20230531         0810         0         N           20230531         0840         0.3         S           20230531         0900         0.6         SSE           20230531         0900         0.6         SSE           20230531         0900         0         N           20230531         0900         0         N           20230531         0900         0.3         SSW           20230531			
20230531         0550         0         N           20230531         0710         0         N           20230531         0710         0         N           20230531         0720         0         N           20230531         0720         0         N           20230531         0730         0         N           20230531         0740         0         N           20230531         0740         0         N           20230531         050         0         N           20230531         050         0         N           20230531         0800         0         N           20230531         0820         0         N           20230531         0820         0         N           20230531         0850         0.3         SSW           20230531         0930         0         N           20230531			
20230531         0710         0         N           20230531         0730         0         N           20230531         0730         0         N           20230531         0740         0         N           20230531         0740         0         N           20230531         0740         0         N           20230531         0750         0         N           20230531         0800         0         N           20230531         0810         0         N           20230531         0820         0         N           20230531         0840         0.3         S           20230531         0850         0.3         SSW           20230531         0940         0         N           20230531         0930         0.3         SW           20230531	20230531_0650		
20230531         0720         0         N           20230531         0730         0         N           20230531         0740         0         N           20230531         0750         0         N           20230531         0810         0         N           20230531         0810         0         N           20230531         0810         0         N           20230531         0830         0         N           20230531         0830         0         N           20230531         0830         0         N           20230531         0840         0.3         S           20230531         0900         0.6         SSE           20230531         0910         0.3         -           20230531         0920         0         N           20230531         0920         0         N           20230531         0920         0         N           20230531         0920         0         N           20230531         0900         0.3         SW           20230531         1020         0.3         SW           20230531			
20230531         0730         0         N           20230531         0740         0         N           20230531         0750         0         N           20230531         0800         0         N           20230531         0800         0         N           20230531         0800         0         N           20230531         0820         0         N           20230531         0830         0         N           20230531         0840         0.3         S           20230531         0900         0.6         SSE           20230531         0900         0.6         SSE           20230531         0900         0.6         SSE           20230531         0900         0         N           20230531         0900         0.3         SW           20230531         1010         0.3         SW           20230531	20230531_0710		
20230531         0740         0         N           20230531         0750         0         N           20230531         0800         0         N           20230531         0810         0         N           20230531         0810         0         N           20230531         0820         0         N           20230531         0830         0         N           20230531         0840         0.3         S           20230531         0840         0.3         SSW           20230531         0840         0.3         SSE           20230531         0900         0.6         SSE           20230531         0900         0.6         SSE           20230531         0900         0.3         -           20230531         0900         0         N           20230531         0940         0         N           20230531         0940         0         N           20230531         1010         0.3         SSW           20230531         1030         0.3         -           20230531         1030         0.3         -	20230531_0720		
20230531         0750         0         N           20230531         0810         0         N           20230531         0810         0         N           20230531         0810         0         N           20230531         0820         0         N           20230531         0830         0         N           20230531         0840         0.3         S           20230531         0900         0.6         SSE           20230531         0910         0.3         -           20230531         0910         0.3         -           20230531         0920         0         N           20230531         0920         0         N           20230531         0940         0         N           20230531         0950         0         N           20230531         1010         0.3         SSW           20230531         1010         0.3         SSW           20230531         1010         0.3         SW           20230531         1010         0.3         SW           20230531         1040         0         N           2023	20230531_0740		
20230531         0810         0         N           20230531         0820         0         N           20230531         0830         0         N           20230531         0830         0         N           20230531         0830         0         N           20230531         0850         0.3         S           20230531         0800         0.6         SSE           20230531         0900         0.6         SSE           20230531         0920         0         N           20230531         0920         0         N           20230531         0940         0         N           20230531         0950         0         N           20230531         1000         0.3         SW           20230531         1020         0.3         SW           20230531         1020         0.3         SW           20230531         1030         0.3         -           20230531         1030         0.3         -           20230531         1040         0         N           20230531         1100         0.3         WSW           2	20230531_0750	0	N
20230531         0820         0         N           20230531         0830         0         N           20230531         0840         0.3         S           20230531         0850         0.3         SSW           20230531         0850         0.3         SSW           20230531         0900         0.6         SSE           20230531         0900         0         N           20230531         0930         0         N           20230531         0930         0         N           20230531         0940         0         N           20230531         1000         0.3         SW           20230531         1000         0.3         SW           20230531         1010         0.3         SW           20230531         1010         0.3         SW           20230531         1040         0         N           20230531         1100         0         N           20230531         1100         0.3         WSW           20230531         1100         0.3         WSW           20230531         1100         0.3         WSW	20230531_0800		
20230531         0830         0         N           20230531         0840         0.3         S           20230531         0850         0.3         SSW           20230531         0850         0.3         SSW           20230531         0900         0.6         SSE           20230531         0910         0.3         -           20230531         0900         0         N           20230531         0900         0         N           20230531         0940         0         N           20230531         0940         0         N           20230531         1000         0.3         WSW           20230531         1000         0.3         SSW           20230531         1000         0.3         SSW           20230531         1020         0.3         SW           20230531         1030         0.3         -           20230531         1030         0.3         -           20230531         1050         0         N           20230531         1100         0         N           20230531         1120         1.1         WSW	20230531_0810		
20230531         0840         0.3         S           20230531         0850         0.3         SSW           20230531         0900         0.6         SSE           20230531         0910         0.3         -           20230531         0910         0.3         -           20230531         0910         0.3         -           20230531         0930         0         N           20230531         0940         0         N           20230531         0950         0         N           20230531         1000         0.3         WSW           20230531         1010         0.3         SSW           20230531         1010         0.3         SSW           20230531         1030         0.3         -           20230531         1030         0.3         -           20230531         1040         0         N           20230531         1100         0         N           20230531         1100         0.3         WSW           20230531         1100         0.3         WSW           20230531         1120         1.1         WSW      <	20230531_0820		
2023051         0850         0.3         SSW           2023051         0900         0.6         SSE           20230531         0910         0.3         -           20230531         0910         0.3         -           20230531         0920         0         N           20230531         0930         0         N           20230531         0940         0         N           20230531         0950         0         N           20230531         1000         0.3         WSW           20230531         1010         0.3         SSW           20230531         1030         0.3         -           20230531         1030         0.3         -           20230531         1030         0.3         -           20230531         1040         0         N           20230531         100         0         N           20230531         1100         0.3         WSW           20230531         1100         0.3         WSW           20230531         1120         1.1         WSW           20230531         1120         0.3         W	20220521 0840	0.3	S
20230531         0910         0.3         -           20230531         0930         0         N           20230531         0930         0         N           20230531         0940         0         N           20230531         0950         0         N           20230531         0950         0         N           20230531         0100         0.3         WSW           20230531         1010         0.3         SSW           20230531         1020         0.3         SW           20230531         1030         0.3         -           20230531         1040         0         N           20230531         1040         0         N           20230531         1000         0.3         WSW           20230531         1100         0.3         WSW           20230531         1100         0.3         WSW           20230531         1130         0.8         WSW           20230531         1140         0.3         W	20230531 0850	0.3	
20230531         0920         0         N           20230531         0930         0         N           20230531         0940         0         N           20230531         0940         0         N           20230531         0940         0         N           20230531         000         0.3         WSW           20230531         1010         0.3         SSW           20230531         1020         0.3         SW           20230531         1030         0.3         -           20230531         1030         0.3         -           20230531         1050         0         N           20230531         1000         0         N           20230531         1000         0         N           20230531         1100         0         N           20230531         1120         1.1         WSW           20230531         1130         0.8         WSW           20230531         1140         0.3         W	20230531_0900		SSE
20230531         0930         0         N           20230531         0940         0         N           20230531         0950         0         N           20230531         0950         0         N           20230531         0100         0.3         WSW           20230531         1010         0.3         SSW           20230531         1020         0.3         SW           20230531         1030         0.3         -           20230531         1040         0         N           20230531         1050         0         N           20230531         1040         0         N           20230531         1100         0.3         WSW           20230531         1100         0.3         WSW           20230531         1100         0.3         WSW           20230531         1120         1.1         WSW           20230531         1130         0.8         WSW           20230531         1140         0.3         W	20230531_0910		- N
20230531         0940         0         N           20230531         050         0         N           20230531         1000         0.3         WSW           20230531         1010         0.3         SSW           20230531         020         0.3         SW           20230531         1030         0.3         -           20230531         1040         0         N           20230531         1050         0         N           20230531         1000         0         N           20230531         1100         0.3         WSW           20230531         1110         0.3         WSW           20230531         1120         1.1         WSW           20230531         1130         0.8         WSW           20230531         1140         0.3         W	20230531_0920		
20230531         1000         0.3         WSW           20230531         1010         0.3         SSW           20230531         1020         0.3         SW           20230531         1030         0.3         -           20230531         1030         0.3         -           20230531         1040         0         N           20230531         1050         0         N           20230531         1100         0         N           20230531         1100         0.3         WSW           20230531         1120         1.1         WSW           20230531         1130         0.8         WSW           20230531         104         0.3         W	20230531 0940	0	N
20230531         1010         0.3         SSW           20230531         1020         0.3         SW           20230531         1030         0.3         -           20230531         1050         0         N           20230531         1050         0         N           20230531         1050         0         N           20230531         1100         0         N           20230531         1110         0.3         WSW           20230531         1120         1.1         WSW           20230531         1130         0.8         WSW           20230531         1140         0.3         WSW	20230531_0950		
20230531         1020         0.3         SW           20230531         1030         0.3         -           20230531         1040         0         N           20230531         1050         0         N           20230531         1050         0         N           20230531         1050         0         N           20230531         1100         0.3         WSW           20230531         1110         0.3         WSW           20230531         1120         1.1         WSW           20230531         1130         0.8         WSW           20230531         140         0.3         W			
20230531         1030         0.3         -           20230531         1040         0         N           20230531         1050         0         N           20230531         1050         0         N           20230531         1010         0         N           20230531         110         0.3         WSW           20230531         1120         1.1         WSW           20230531         1130         0.8         WSW           20230531         1140         0.3         W			
20230531         1040         0         N           20230531         1050         0         N           20230531         1100         0         N           20230531         1100         0.3         WSW           20230531         1120         1.1         WSW           20230531         1130         0.8         WSW           20230531         1140         0.3         W	20230531 1020	0.3	-
20230531         1100         0         N           20230531         1110         0.3         WSW           20230531         1120         1.1         WSW           20230531         1130         0.8         WSW           20230531         1140         0.3         W	20230531_1040		
20230531         1110         0.3         WSW           20230531         1120         1.1         WSW           20230531         1130         0.8         WSW           20230531         1140         0.3         W			
20230531 1120 1.1 WSW 20230531 1130 0.8 WSW 20230531 1140 0.3 W			
20230531_1130 0.8 WSW 20230531_1140 0.3 W			
20230531_1140 0.3 W	20230531 1130		
20230531_1150 0.3 W	20230531_1140	0.3	W
	20230531_1150	0.3	W

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (From)
20230531_1200	0.8	W
20230531_1210	1.4	W
20230531_1220	1.7	W
20230531_1230	1.7	W
20230531_1240	1.7	W
20230531_1250	1.4	W
20230531_1300	1.7	WSW
20230531_1310	1.9	W
20230531_1320	1.7	WNW
20230531_1330	1.1	WNW
20230531_1340	1.1	WNW
20230531_1350	1.4	NW
20230531_1400	0.6	NW
20230531_1410	0.8	NNW
20230531_1420	0.6	NNW
20230531_1430	0.6	NW
20230531_1440	1.1	W
20230531_1450	1.7	W
20230531_1500	1.7	WSW
20230531_1510	1.7	W
20230531_1520	1.1	W
20230531_1530	1.1	WSW
20230531_1540	1.1	W
20230531_1550	0.3	WNW
20230531 1600	0.3	NW
20230531 1610	0.3	ENE
20230531_1620	0.8	ESE
20230531 1630	0.8	SE
20230531_1640	0.3	SSE
20230531 1650	0.8	SSE
20230531 1700	0.3	S
20230531 1710	0.3	SSE
20230531_1720	0	N
20230531_1730	0.3	WNW
20230531 1740	0.3	NW
20230531 1750	0	N
20230531 1800	0	N
20230531 1810	0.6	SSW
20230531_1820	1.1	S
20230531_1830	0.8	SE
20230531_1840	0.3	NNW
20230531_1850	0.8	NNW
20230531_1900	2.2	NNE
20230531_1910	2.2	NNW
20230531_1920	1.4	N
20230531_1930	0.8	SW
20230531_1940	0.3	SSE
20230531_1950	0.3	E
20230531_2000	0	N
20230531_2010	1.1	SE
20230531 2020	1.7	SSE
20230531_2030	1.4	ESE
20230531_2040	1.4	ESE
20230531 2050	1.9	ESE
20230531_2100	1.7	SE
20230531 2110	1.4	NE
20230531_2120	1.4	NNE
20230531_2130	0.8	-
20230531_2140	1.7	ESE
20230531 2150	1.9	ESE
20230531_2200	1.7	Е
20230531 2210	1.1	-
20230531 2220	0.8	ESE
20220521 2220	1.7	SE
20230531 2240	1.7	ESE
20230531 2250	0.8	NW
20230531 2300	1.1	NW
20230531_2250 20230531_2240 20230531_2250 20230531_2300 20230531_2310	0.8	NNE
20230531 2320	0.3	NE
20230531 2330	0.5	N
20230531_2340	0,3	-
20230531_2350	1.4	NNE

North East New Territories (NENT) Landfill Extension Monthly Environmental Monitoring and Audit Report (No. 6) – May 2023

# Appendix I Waste Flow Table

	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				
Month	Total Quantity Generated	Hard Rock and Large Broken	Reused in	Reused in Other	Disposed as Public	Imported Fill	Metals	Paper / Cardboard	Plastics	Yard Waste	Chemical Waste	General Refuse	Others, e.g. non- recyclable
		Concrete	Contract	Projects	Fill	F 111		Packaging		(to Y-Park)		Reluse	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
Total	57,618.56	0	0	56126	0	0	0	0	0	20.31	0	58.11	1414.14
Note:													

# Waste Flow Table

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 J Joint Environmental Site Inspection Records

# Report No. 0048-20230502

### (Construction Phase)

Inspection Date:	02 May 2023	Inspected By:	Andy Ng
Time:	14:00	Weather Condition:	Cloudy
Participants:	Sylvia Ho (ER), William Wan (Cont	ractor), Kristy Wong (Co	ntractor), Andy Ng (ET)

Α	Permits/Licenses	N/A or Not Observed	Yes	No	Remarks / Photo
A1	Are Environmental Permit, license/ other permit displayed at major site exit and vehicle access?		$\boxtimes$		EP No.: EP-292/2007 FEP No.: FEP-01/292/2007
A2	Are Construction Noise Permits/ Environmental license/ other permit available for inspection/posted at site entrance.		$\boxtimes$		CNP No: GW-RN0131-23
A3	Is wastewater discharge licence available for inspection?		$\boxtimes$		
A4	Are trip tickets for chemical waste and construction waste disposal available for inspection?		$\boxtimes$		
A5	Are relevant licence/permit for disposal of construction waste or excavated materials available for inspection?		$\boxtimes$		

в	Air Quality	N/A or Not Observed	Yes	No	Remarks / Photo		
B1	Is open burning avoided?		$\boxtimes$				
B2	Are completed earthworks sealed as soon as practicable?	$\boxtimes$			N/A		
B3	Are plant and equipment well maintained (i.e. without black smoke from powered plant)?		$\boxtimes$				
B4	Any remedial action undertaken?	$\boxtimes$			N/A		
B5	Observed dust source(s)						
		Wind eros	sion				
		Vehicle/ Equipment Movements					
		Loading/	unloading	of materi	als		
		Others:					
B6	Are unpaved areas/ designated roads watered regularly to avoid dust generation?		$\boxtimes$				
B7	Are dusty materials covered entirely by impervious sheeting or sprayed with water to maintain the entire surface wet and then removed or backfilled or reinstated where practicable within 24 hours of the excavation or unloading?				Refer to Reminder 1		
B8	After removal of stockpile, are the remained dusty materials wetted with water and cleared from surface of roads?				N/A		
B9	Is the stockpile of dusty materials avoid to be extend beyond the pedestrian barriers, fencing or traffic cones?		$\square$				

B10	Are loaded dump trucks covered by impervious sheeting appropriately before leaving the site?		$\boxtimes$		
B11	Are wheel washing facilities with high pressure				
<b>D</b> 40	water jet provided at all site exits if practicable?				
B12	Are all vehicles and plant cleaned before they leave the construction site?				
B13	Are hoarding $\geq$ 2.4m tall provided beside roads or	$\boxtimes$			N/A
	area with public access?				N/A
B14	Is the portion of any road leading only to			$\boxtimes$	Refer to
	construction site (within 30m of a vehicle entrance				Observation 2
	or exit) kept clear of dusty materials?				
B15	Are surfaces where any pneumatic or power-driven		$\square$		
	drilling, cutting, polishing or other mechanical				
	breaking operations takes place sprayed with water				
	or a dust suppression chemical continuously?				
B16	Is the area involved demolition activities sprayed	$\square$			
	with water or a dust suppression chemical				
	immediately prior to, during and immediately after				N/A
	the activities so as to maintain the entire surface				
	wet?				
B17	Is scaffolding erected around the perimeter of a	$\square$			N/A
	building under construction?				-
B18	Are effective dust screens, sheeting or netting	$\square$			
	provided to enclose the scaffolding from the ground				
	floor level of the building, or a canopy provided from				N/A
	the first floor level up to the highest level of the				
	scaffolding?				
B19	Is the skip for materials transport enclosed by	$\square$			N/A
	impervious sheeting?				-
B20	Is every stock of more than 20 bags of cement or	$\square$			
	dry pulverized fuel ash (PFA) covered entirely by				Not Observed
	impervious sheeting or placed in an area sheltered				
<b>D</b> 01	on the top and 3 sides?				
B21	Are the areas of washing facilities and the road		$\square$		
	section between the washing facilities and the exit				
	point paved with concrete, bituminous materials or				
<b>B</b> 22	hardcores?				
B22	Are the activities of loading, unloading, transfer,				N1/A
	handing or storage of bulk cement or dry PFA carried out in a totally enclosed system or facility?				N/A
B23	Is any vent or exhaust fitted with an effective fabric				
DZJ	filter or equipment air pollution control system?				N/A
B24	Is the exposed earth properly treated by				
	compaction, turfing, hydroseeding, vegetation		$\square$		
	planting or sealing with latex, vinyl, bitumen,				
	shotcrete or other suitable surface stabilizer within				
	six months after last construction activity on the				
	construction site or part of the construction site				
	where the exposed earth lies?				
B25	Are the worksites wetted with water regularly?			$\boxtimes$	Refer to Reminder 1
B26	Is generation of dust avoided during loading or unloading?				
B27	Are all trucks loaded to a level within the side and		$\boxtimes$		
	tail boards?				

B28	Are appropriate speed limit sign displayed?	$\boxtimes$	
B29	Are designated roads paved?	$\boxtimes$	
B30	Are site vehicle movements confined to designated roads?	$\boxtimes$	
B31	Are NRMM labels properly affixed on the PMEs?	$\boxtimes$	

с	Noise	N/A or Not Observed	Yes	No	Remarks / Photo		
C1	Is well-maintained plant operated on-site and plant served regularly?		$\boxtimes$				
C2	Are vehicles and equipment switched off or throttled down while not in use?		$\boxtimes$				
C3	Is the noise directed away from nearby NSRs?		$\square$				
C4	Are the silencers or mufflers properly fitted on construction equipment and maintained regularly?	$\boxtimes$			N/A		
C5	Are mobile and/or noisy plant sited as far away from NSRs as possible and practicable and orientated so that the noise is directed away from nearby NSRs?						
C6	Are material stockpiles, mobile container officer and other structures utilised to screen noisy activates?	$\boxtimes$			N/A		
C7	Is temporary hoarding installed located on the site boundaries between noisy construction activities and NSRs?	$\boxtimes$			N/A		
C8	Are noise barriers (typically density @14kg/m ² ) acoustic mat or full enclosure close to noise plants including air compressor, generators and saw etc. provided to protect NSRs?	$\boxtimes$			N/A		
C9	Is the sequencing operation of construction plants where practicable?		$\boxtimes$				
C10	Is the hoarding maintained properly?	$\boxtimes$			N/A		
C11	Air compressors (500 kPa or above) and hand held percussive breaker (mass of above 10 kg) with valid noise labels?	$\boxtimes$			N/A		
C12	Are compressor operated with doors closed?	$\boxtimes$			N/A		
C13	QPME used with valid noise labels?	$\boxtimes$			Not Observed		
C14	Major noise source(s)						
		Construction activities inside of site					
		Construction activities outside of site					
		Others:			-		

# Report No. 0048-20230502

(Construction Phase)

D	Water Quality	N/A or Not Observed	Yes	No	Remarks / Photo			
Construction Activities								
D1	At the start of site establishment, are perimeter cut-off drains constructed to direct off-site water around the site with internal drainage works and erosion and sedimentation control facilities implemented?		$\boxtimes$					
D2	Are channels, earth bunds or sandbag barriers provided on site to properly direct stormwater to such silt removal facilities?		$\boxtimes$					
D3	Have dikes or embankments for flood protection implemented around the boundaries of earthwork areas?		$\boxtimes$					
D4	Have temporary ditches provided to facilitate the runoff discharge into an appropriate watercourse, through a site/ sediment trap?		$\boxtimes$					
D5	Are the sediment/ silt traps incorporated in the permanent drainage channels to enhance deposition rate?		$\boxtimes$					
D6	Are the retention time for silt/s and traps of the silt removal facilities be 5 minutes under maximum flow conditions?		$\boxtimes$					
D7	Is surface excavation works minimised during rainy seasons (April to September), as possible?		$\boxtimes$					
D8	Are all exposed earth areas completed or vegetated as soon as possible after earthworks completed, or alternatively, within 14 days of the cessation of earthworks where practicable.	$\boxtimes$			N/A			
D9	Are exposed slope surfaces covered by tarpaulin sheets?				Will be treated with shotcrete in Portion E3-1.			
D10	Have the overall slope of the site should be kept a minimum?		$\boxtimes$					
D11	Are all trafficked areas and access roads protected by coarse stone ballast		$\boxtimes$					
D12	Is wastewater from temporary site facilities controlled to prevent direct discharge to surface		$\boxtimes$					
D13	Are the silt removal facilities, channels and manholes maintained regularly?		$\boxtimes$					
D14	Is the deposite silt and grit removed regularly?		$\boxtimes$					
D15	Have the excavation of trenches in wet periods be dug and backfilled in short sections?	$\boxtimes$			N/A			
D16	Is rainwater pumped out from trenches discharged into storm drains via silt system?	$\boxtimes$			N/A			
D17	Are open stockpiles of construction materials e.g. aggregates and sand of more than 50m ³ on site covered with tarpaulin or similar fabric during rainstorms?	$\boxtimes$			N/A			
D18	Are manholes adequately covered and temporarily sealed so as to prevent silt, construction materials or debris from getting into the drainage?		$\boxtimes$					
D19	Are the discharges of surface run-off into foul sewer always prevented?		$\boxtimes$					

D20	Is a wheel washing bay provided at every site exit?		$\boxtimes$	
D21	Is the wheel wash overflow directed to silt removal facilities before being discharged to the storm drain?		$\boxtimes$	
D22	Is the section of construction road between the wheel washing bay and the public road surfaced with crushed stone or coarse gravel?		$\boxtimes$	
D23	Are the vehicle wash-water have sand and silt settled out and removed at least on a weekly basis?	$\boxtimes$		Not Observed
D24	Are site drainage systems provided over the entire project site with sediment control facilities?		$\boxtimes$	
D25	Are sedimentation tanks provided to treat the large amount of sediment-laden wastewater generated from wheel washing, site runoff and construction works?		$\boxtimes$	
D26	Is the treated wastewater reused for vehicle washing, dust suppression and general cleaning?		$\boxtimes$	
D27	Are portable chemical toilets and sewage holding tanks provided?		$\boxtimes$	
D28	Is the sewage generated from toilets collected by licensed contractor and responsible for disposal and maintenance?		$\boxtimes$	
D29	Is there any sediment plume observed in nearby watercourses?	$\boxtimes$		N/A
D30	Are oil interceptors provided in the site drainage system downstream of any oil/ fuel pollution sources? And the oil interceptors are emptied and cleaned regularly? Has a bypass provided to prevent flushing during heavy rain?			Not Observed
D31	Is chemical leakage or spillages contained and cleaned up immediately?	$\boxtimes$		N/A
D32	Service workshop and maintenance facilities located within a bunded area, and sumps and oil interceptors be provided?	$\boxtimes$		N/A

E	Waste / Chemical Management	N/A or Not Observed	Yes	No	Remarks / Photo				
Genera	General Waste								
E1	Is the general waste generated on-site stored in enclosed bins or compaction units separately from the construction and chemical wastes?		$\square$						
E2	Is the general waste collected properly by using the waste separation facilities for paper, aluminium cans, plastic bottles etc.?		$\square$						
E3	Does accumulation of waste avoid?		$\boxtimes$						
E4	Is waste disposed regularly?		$\boxtimes$						
E5	Regular waste collection by approved waste collector in purpose-built vehicles?		$\boxtimes$						
E6	Burning of refuse on construction site prohibited?		$\boxtimes$						

(Construction Phase)

Constr	uction Waste				
E7	Are the temporary stockpiles maintained regularly?		$\boxtimes$		
E8	Is the excavated fill material reused for backfilling and reinstatement?		$\boxtimes$		
E9	Are the C&D materials sorted and recycled on- site?		$\boxtimes$		
E10	Is there any contract documents provided to allow and promote the use of recycled aggregates where appropriate?	$\boxtimes$			Not Observed
E11	Is the disposal of C&D materials avoided onto any sensitive locations e.g. agricultural lands etc.?		$\square$		
E12	Are the public fill and C&D waste segregated and stored in different containers or skips to enhance reuse or recycling of materials and their proper disposal?		$\square$		
E13	Is the durable formwork or plastic facing for construction works used?	$\boxtimes$			N/A
E14	Do the wooden hoardings avoid to be used?	$\boxtimes$			N/A
E15	Is metal hoarding used to enhance the possibility of recycling?	$\boxtimes$			N/A
E16	Is the segregation and storage of C&D wastes undertaken in designated area?		$\square$		
E17	Are waste storage area properly cleaned and do not cause windblown litter and dust nuisance?		$\square$		
E18	Do the excavated materials appear contaminated?			$\boxtimes$	
E19	If suspected contaminated, appropriate procedures followed?	$\boxtimes$			N/A
E20	Is hydroseeding of the topsoil on the stockpile implemented to improve visual appearance and prevent soil erosion?	$\boxtimes$			N/A
Chemi	cal / Fuel Storage Area				
E21	Are the fuel tanks and chemical storage areas provided with locks and sited on sealed areas?	$\boxtimes$			Not Observed
E22	Are the storage area enclosed 3 sides by walls/ fence of ≥2m tall and bounded with adequate bund capacity (>110% of largest container) or do the storage area allow storage of 20% of total volume of waste?	$\boxtimes$			Not Observed
E23	Are the storage areas labelled and separated (if needed)?	$\boxtimes$			Not Observed
E24	Do the storage areas have adequate ventilation and be covered to prevent rainfall entering?	$\boxtimes$			Not Observed
E25	Are the containers used for the storage of chemical wastes suitable for the substance that are holding, resist to corrosion, maintained in a good condition, and securely closed?	$\boxtimes$			Not Observed
E26	If no specification has been approved by EPD, are container with <450L capacity provided for storage of chemicals waste?	$\boxtimes$			Not Observed
<u>Chemi</u>	cal Waste / Waste Oil				

E27	Is chemical waste or waste oil stored and labelled		$\square$	
	in English and Chinese properly in designated area?			
E28	Are chemicals and waste oil recycled or disposed properly?	$\boxtimes$		Not Observed
E29	Is chemical waste collected by licensed waste collectors and disposed of at licensed facility eg. Chemical Waste Treatment Centre?		$\square$	
Record	<u>ds</u>			
E30	Is a licensed waste hauler used for waste collection?			
E31	Are the records of quantities of wastes generated, recycled and disposed properly kept?		$\square$	
E32	For the demolition material/ waste, is the number of loads for each day recorded as appropriate?	$\boxtimes$		N/A

F	LFG	N/A or Not Observed	Yes	No	Remarks / Photo
F1	Are special LFG precautions taken to avoid potential hazards of LFG exposure (ignition, explosion, asphyxiation, toxicity)?	$\boxtimes$			Not Observed
F2	Are prominent safety warning signs erected on-site to alert all personnel and visitors of LFG hazards during excavation works.?		$\boxtimes$		
F3	Is no smoking or burning permitted on-site?		$\boxtimes$		
F4	Are prominent 'No smoking' and 'No Naked Flames' signs erected on-site?		$\boxtimes$		
F5	Is no worker allowed to work alone at any time in excavated trenches or confined areas on-site?	$\boxtimes$			N/A
F6	Is adequate fire fighting equipment provided on- site?		$\boxtimes$		
F7	Are construction equipment equipped with vertical exhaust at least 0.6m above ground installed with spark arrestors?	$\square$			Not Observed
F8	Are electrical motors and extension cords explosion-proof and intrinsically safe for use on- site?				Not Observed
F9	Is 'Permit to Work' system implemented?		$\boxtimes$		
F10	Are welding, flame-cutting or other hot works conducted only under 'Permit to Work' system following clear safety requirements, gas monitoring procedures and presence of qualified persons to supervise the works?		$\boxtimes$		
F11a	For piping assembly or conduit construction, are all valves and seals closed immediately after installation?	$\square$			Not Observed
F11b	Are the pipe ends sealed on one side during installation if installation of large diameter pipes (diameter >600mm) is required?	$\square$			Not Observed
F11c	Is forced ventilation implemented prior to operation of installed pipeline?	$\boxtimes$			Not Observed
F11d	Is forced ventilation implemented for works inside trenches deeper than 1m?	$\boxtimes$			Not Observed

			1	
F12	Is frequency and location of LFG monitoring within excavation area determined prior to commencement of works?			
	*LFG monitoring in excavations should be conducted at no more than 10mm from exposed ground surface.			
F13	For excavation works, Is LFG monitoring 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?			
F14	Are LFG monitoring conducted periodically when any cracks on ground level encountered on-site? *Appropriate action should be taken in accordance			Not Observed
	with the action plan in Table 7.6 of EIA Report.			
F15a	Are LFG precautionary measures involved in excavation and piping works provided in accordance with LFG Guidance Note and included in Safety Plan of construction phase?	$\boxtimes$		Not Observed
F15b	Are temporary offices or buildings located where free LFG has been proven or raised clear of ground at a separation distance of at least 500mm?	$\boxtimes$		Not Observed
F16	Is a Safety Officer trained in the use of gas detection equipment and LFG- related hazards 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: •CH4: 0-100% and LEL: 0-100%/v			Not Observed
	•CO ₂ : 0-100% •O ₂ : 0-21%			
F17a	Periodically during groundwork construction, Is the works area monitored for CH ₄ CO ₂ and O ₂ using appropriately calibrated portable gas detection equipment?			Not Observed
	*The monitoring frequency and areas should be established prior to commencement of groundwork either by Safety Officer or appropriately qualified person.			
F17b	Is routine monitoring carried out in all excavations, manholes, created by temporary storage of building materials on-site?			
F17c	Are all measurements in excavations made with monitoring tube located not more than 10mm from exposed ground surface?		$\square$	
F18	<ul> <li>For excavations deeper than 1m, are measurements conducted?</li> <li>At ground surface before excavation commences;</li> </ul>		$\boxtimes$	

	<ul> <li>Immediately before any worker enters the excavation;</li> <li>At the beginning of each working day for entire period the excavation remains open; and</li> <li>Periodically throughout the working day whilst workers are in excavation.</li> </ul>		
F19	<ul> <li>For excavations between 300mm and 1m, are measurements conducted?</li> <li>Directly after excavation has been completed; and</li> <li>Periodic all whilst excavation remains open.</li> </ul>	$\boxtimes$	
F20	For excavations less than 300mm, are monitoring omitted at the discretion of Safety Officer or appropriately qualified person?	$\boxtimes$	

G	Landscape and Visual Impacts	N/A or Not Observed	Yes	No	Remarks / Photo
G1	Is the work site confined within site boundaries?		$\boxtimes$		
G2	Is damage to surrounding areas avoided?		$\boxtimes$		
G3	Are the protective fencing erected along or beyond the perimeter of the tree protection zone of each individual tree?		$\boxtimes$		
G4	Is early planting using fast growing plants at strategic locations within site implemented?	$\boxtimes$			N/A
G5	Is boundary green belt planting implemented around the site perimeter and the construction of temporary soil bunds?	$\boxtimes$			N/A
G6	Is temporary landscape treatment as green surface cover implemented?	$\boxtimes$			N/A
G7	Are existing and affected tree which identified as ecological significant preserved whenever possible?	$\boxtimes$			Not Observed

н	Ecology	N/A or Not Observed	Yes	No	Remarks / Photo
H1	Is transplantation of the important plant species implemented? Is post-transplantation maintained and monitored regularly?	$\boxtimes$			Not Observed

I	Environmental Complaint	N/A or Not Observed	Yes	No	Remarks / Photo
11	Environmental Complaint received during this week?			$\boxtimes$	

J	General Housekeeping / Others	N/A or Not Observed	Yes	No	Remarks / Photo
J1	Are the defined boundaries of working areas identified to prevent loss of vegetation		$\boxtimes$		
J2	Are the portable toilets maintained in a state, which will not deter the workers from utilizing these portable toilets?		$\boxtimes$		

#### Follow up action for previous Site Inspection:

- 1. The Contractor scheduled watering at the entrance of Portion A.
- 2. Rotten leaves were removed from the channels.
- 3. The Silt Removal Facilities were functioned properly and the Contractor conducted cleaning work on them.

### Observation(s):

- 1. Water in the drip tray shall be cleared off at Portion A.
- 2. Sand and silt are observed at the road leading to SBA.

#### Reminder(s):

1. Dust suppression measure shall be enhanced to cover all work area and dusty stockpiles in SBA.

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

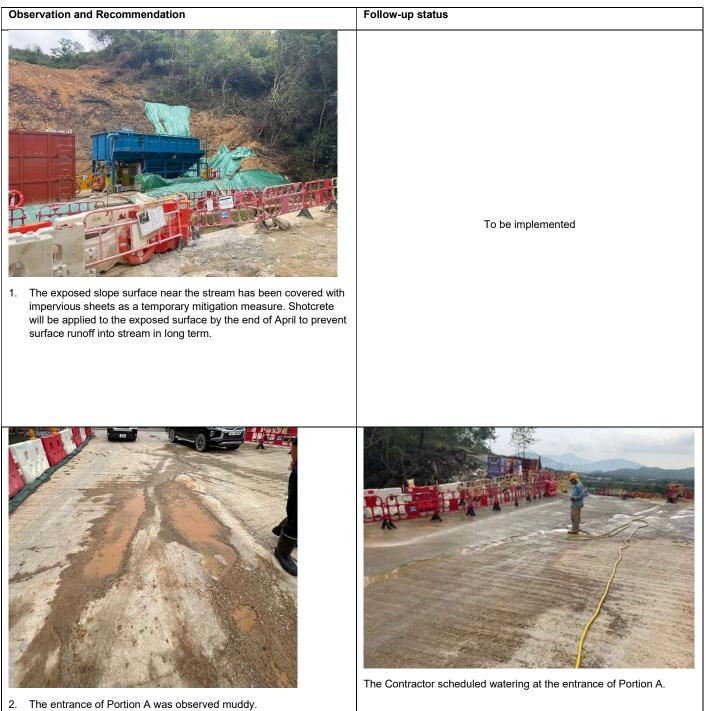
- 1. The Contractor has been recommended to collect and dispose of any stagnant water accumulated in the drip trays and handle them as chemical waste.
- 2. The Contractor has been recommended that road surface shall be kept clear of sand and silt.
- 3. The Contractor has been reminded to ensure the implementation of dust suppression measure for the dry work area and dusty stockpile.

#### (Construction Phase)

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	Environmental Team Representative:	IEC's Representative:	Contractor's Representative:	Engineer's Representative
Signature:	14:	1	Wan Manz	He.
Name:	Andy Ng	1	William Wan	Sylvia Ho
Date:	02 May 2023	1	02 May 2023	02 May 2023

#### PART I Follow-up status of the previous site inspection



Waiting for Contractor's Input



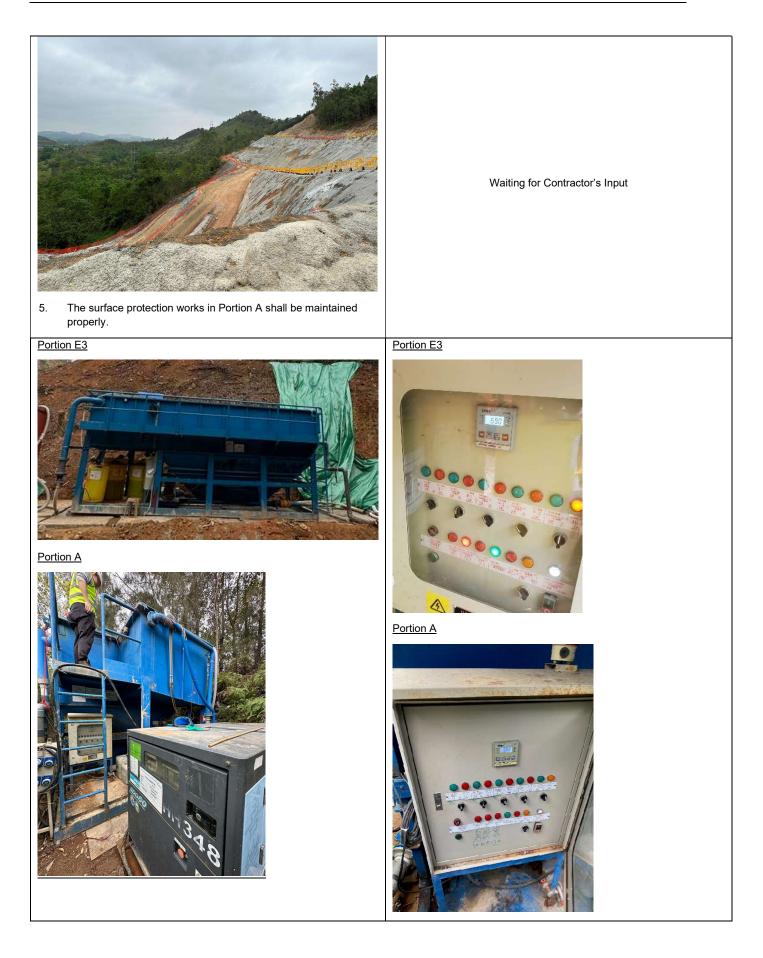
3. The Contractor was reminded to spray water on the surface of dusty material in SBA to prevent dust dispersion.



4. The channels at the entrance of SBA were accumulated with rotten leaves, sand and silt.



Rotten leaves were removed from the channels.

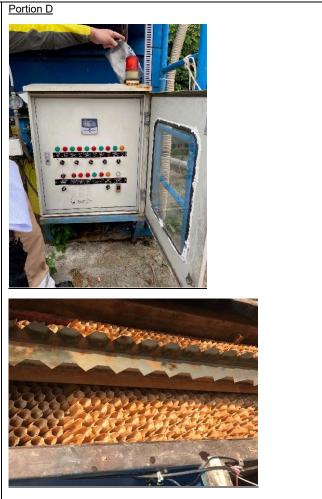


#### (Construction Phase)

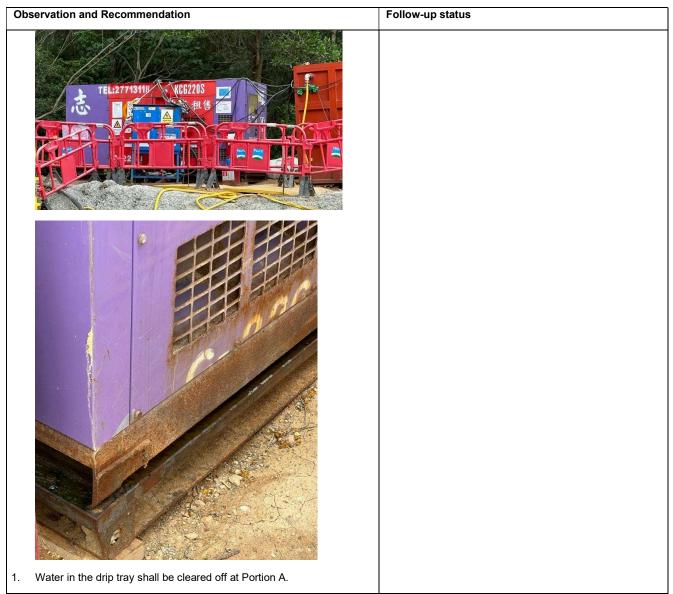
#### Portion D



6. The Contractor has been reminded to ensure all silt removal facilities functioning properly for the upcoming rainfall.



The Silt Removal Facilities were functioned properly and the Contractor conducted cleaning work on them.



#### PART II Observation and recommendation identified during the environmental site inspection

and the second	
<image/>	
2. Sand and silt are observed at the road leading to SBA	

#### Environmental Site Inspection Checklist (Rev. 2)

Observation and Recommendation	Follow-up status
<ol> <li>Dust suppression measure shall be enhanced to cover all dry work area and dusty stockpile in SBA.</li> </ol>	

#### PART III Temporary surface water drainage system photo record during the environmental site inspection









Environmental Site Inspection Checklist (Rev. 2)

Inspection Date:	08 May 2023	Inspected By:	Andy Ng
Time:	14:00	Weather Condition:	Rainy
Participants:	Sylvia Ho (ER), Kristy Wong (Conti		

Α	Permits/Licenses	N/A or Not Observed	Yes	No	Remarks / Photo
A1	Are Environmental Permit, license/ other permit displayed at major site exit and vehicle access?		$\boxtimes$		EP No.: EP-292/2007 FEP No.: FEP-01/292/2007
A2	Are Construction Noise Permits/ Environmental license/ other permit available for inspection/posted at site entrance.		$\boxtimes$		CNP No: GW-RN0131-23
A3	Is wastewater discharge licence available for inspection?		$\boxtimes$		
A4	Are trip tickets for chemical waste and construction waste disposal available for inspection?		$\boxtimes$		
A5	Are relevant licence/permit for disposal of construction waste or excavated materials available for inspection?		$\boxtimes$		

в	Air Quality	N/A or Not Observed	Yes	No	Remarks / Photo
B1	Is open burning avoided?		$\boxtimes$		
B2	Are completed earthworks sealed as soon as practicable?	$\boxtimes$			N/A
B3	Are plant and equipment well maintained (i.e. without black smoke from powered plant)?		$\boxtimes$		
B4	Any remedial action undertaken?	$\square$			N/A
B5	Observed dust source(s)				
		U Wind eros	sion		
		Vehicle/ E	Equipment	Moveme	nts
		Loading/	unloading	of materi	als
		Others:	Not O	bserved	
B6	Are unpaved areas/ designated roads watered regularly to avoid dust generation?		$\boxtimes$		
B7	Are dusty materials covered entirely by impervious sheeting or sprayed with water to maintain the entire surface wet and then removed or backfilled or reinstated where practicable within 24 hours of the excavation or unloading?				
B8	After removal of stockpile, are the remained dusty materials wetted with water and cleared from surface of roads?	$\boxtimes$			N/A
B9	Is the stockpile of dusty materials avoid to be extend beyond the pedestrian barriers, fencing or traffic cones?		$\square$		

B10       Are leaded dump trucks covered by impervious sheeting?       Image: Covered by impervious sheeting?       Image: Covered by impervious sheeting?         B11       Are whele washing facilities with high pressure water jet provided at last leads if pacticable?       Image: Covered by impervious sheeting?       Image: Covered by impervious sheeting?         B12       Are nording 32 Am tall provided beside roads or the construction site (within 30m of a vehicle entrance or exit) kept clear of dusty materials?       Image: Covered by impervious sheeting?       Image: Covered	-			1		
B11       Are wheel washing facilities with high pressure water jet provided at all site exits if practicable?       Image: Construction site exits if practicable?       Image: Construction site?         B12       Are all vehicles and plant cleaned before they leave the construction site?       Image: C	B10	Are loaded dump trucks covered by impervious sheeting appropriately before leaving the site?		$\square$		
B12       Are all vehicles and plant cleaned before they leave the construction site?       Image: Service of the service	B11	Are wheel washing facilities with high pressure		$\boxtimes$		
area with public access?       Image: Construction of any road leading only to construction site (within 30m of a vehicle entrance or exit) kept clear of dusty materials?       Image: Construction of any road leading only to construction site (within 30m of a vehicle entrance or exit) kept clear of dusty materials?       Image: Construction of any road leading only to construction site (within 30m of a vehicle entrance or exit) kept clear of dusty materials?       Image: Construction site (within 30m of a vehicle entrance or exit) kept clear of dusty materials?       Image: Construction site (within 30m of a vehicle entrance or exit) kept clear of dusty materials?       Image: Construction site (within 30m of a vehicle entrance or exit) kept clear of dust suppression chemical immediately after the activities so as to maintain the entire surface wer?       Image: Construction and the perimeter of a building under construction?       Image: Construction and the perimeter of a building under construction?       Image: Construction and the perimeter of a building under construction?       Image: Construction and the perimeter of a building under construction?       Image: Construction and the perimeter of a building under construction?       Image: Construction and the perimeter of a building under construction?       Image: Construction and the perimeter of a building under construction?       Image: Construction and the perimeter of a building to a canopy provided from the ground floor level of the building. or a canopy provided from the first floor level up to the highest level of the scaffolding?       Image: Construction and the perimeter of a building from the ground floor level of the building. Construction and the road section between the washing facilities and the road section between the washing facilities and the road section between the was	B12	Are all vehicles and plant cleaned before they leave			$\boxtimes$	
construction site (within 30m of a vehicle entrance or exit) kept clear of dusty materials?       Image: Construction 2 on 20230502         B15       Are surfaces where any pneumatic or power-driven drilling, cutting, polishing or other mechanical breaking operations takes place sprayed with water or a dust suppression chemical continuously?       Image: Construction 2 on 20230502         B16       Is the area involved demolition activities sprayed with water or a dust suppression chemical immediately prior to, during and immediately after the activities so as to maintain the entire surface wet?       Image: Construction 2 Image: Cons	B13		$\boxtimes$			N/A
drilling, cutting, polishing or other mechanical breaking operations takes place sprayed with water or a dust suppression chemical continuously?       Image: Continuously?         B16       Is the area involved demolition activities sprayed with water or a dust suppression chemical immediately pior to, during and immediately after the activities so as to maintain the entire surface wet?       Image: Continuously?       Image: Continuously?         B17       Is scaffolding erected around the perimeter of a building under construction?       Image: Continuously?       Image: Continuously?       Image: Continuously?         B18       Are effective dust screens, sheeting or netting provided to enclose the scaffolding from the ground floor level of the building, or a canopy provided from the first floor level up to the highest level of the scaffolding?       Image: Continuously?       Image: Continuously?         B20       Is every stock of more than 20 bags of cement or dry pulverized (uel ash (PFA) covered entirely by impervious sheeting or placed in an area sheltered on the top and 3 sides?       Image: Context and the context and the context activities of loading, unloading, transfer, handing or storage of bulk cement or dry PFA carried out in a totally enclosed system or facility?       Image: Context and the control or dust avoided during loading or loading.       Image: Context and the control or dust avoided during loading or loading.         B22       Are the activities of loading, unloading, transfer, handing or storage of bulk cement or dry PFA carried out in a totally enclosed system or facility?       Image: Context and the contruction activite on the construction at the exit point or storage of	B14	construction site (within 30m of a vehicle entrance			$\boxtimes$	Observation 2 on
with water or a dust suppression chemical immediately after the activities so as to maintain the entire surface wet?       N/A         B17       Is scaffolding erected around the perimeter of a building under construction?       Image: Construction image: Constr	B15	drilling, cutting, polishing or other mechanical breaking operations takes place sprayed with water		$\square$		
building under construction?       Image: Construction in the second secon	B16	with water or a dust suppression chemical immediately prior to, during and immediately after the activities so as to maintain the entire surface wet?				N/A
provided to enclose the scaffolding from the ground floor level of the building, or a canopy provided from the first floor level up to the highest level of the scaffolding?       Image: Content of the building, or a canopy provided from the first floor level up to the highest level of the scaffolding?       Image: Content of the building, or a canopy provided from the first floor level up to the highest level of the scaffolding?       Image: Content of the building, or a canopy provided from the first floor level up to the highest level of the scaffolding?       Image: Content of the building, or a canopy provided from the first floor level up to the highest level of the scaffolding?       Image: Content of the building, or a canopy provided from the ground in the first floor level up to the highest level of the scaffolding?       Image: Content of the building, or a canopy provided from the ground in the first floor level up to the highest level of the scaffolding?       Image: Content of the building, or a canopy provided from the ground in the first floor level up to the highest level of the scaffolding.       Image: Content of the building, or a canopy provided from the ground in the top and 3 sides?       Image: Content of the building, or a canopy provided from the ground in the top and 3 sides?       Image: Content of the content of the content or dry PFA carried out in a totally enclosed system or facility?       Image: Content of the content or dry PFA carried out in a totally enclosed system?       Image: Content of the content or dry PFA carried out in a totally enclosed system?       Image: Content of the content or dry PFA carried out in a totally enclose system?       Image: Content of the content or dry PFA carried out in a totally enclose system?       Image: Content of the content or dry PFA carried out in a totally enclose system?		building under construction?	$\boxtimes$			N/A
impervious sheeting?       Impervious sheeting? <td< td=""><td>B18</td><td>provided to enclose the scaffolding from the ground floor level of the building, or a canopy provided from the first floor level up to the highest level of the</td><td></td><td></td><td></td><td>N/A</td></td<>	B18	provided to enclose the scaffolding from the ground floor level of the building, or a canopy provided from the first floor level up to the highest level of the				N/A
dry pulverized fuel ash (PFA) covered entirely by impervious sheeting or placed in an area sheltered on the top and 3 sides?       Image: Construction of the construction of the construction of the construction site point paved with concrete, bituminous materials or hardcores?       Image: Construction of the construction of the construction of the construction site material construction of the construction of the construction site where the exposed earth lies?       Image: Construction of the construction site where the exposed earth lies?       Image: Construction of the construction site where the exposed earth lies?       Image: Construction of the construction site where the exposed earth lies?       Image: Construction of the construction site where the exposed earth lies?       Image: Construction of the construction site where the exposed earth lies?       Image: Construction site where the exposed earth lies?         B26       Is generation of dust avoided during loading or unloading?       Image: Construction site where the exposed earth lies?       Image: Construction site where the exposed earth lies?         B26       Is generation of dust avoided during loading or unloading?       Image: Construction site construction site where the exposed earth lies?       Image: Construction site construction si	B19		$\boxtimes$			N/A
section between the washing facilities and the exit point paved with concrete, bituminous materials or hardcores?       Image: Construction of the construction of the construction of the construction of dust avoided during loading or surge of bulk cement or dry PFA carried out in a totally enclosed system or facility?       Image: Construction of dust avoided during loading or unloading?       Image: Construction of dust avoided to a level within the side and tail boards?       Image: Construction of dust avoided to a level within the side and tail boards?       Image: Construction of dust avoided to a level within the side and tail boards?       Image: Construction of dust avoided to a level within the side and tail boards?       Image: Construction of dust avoided to a level within the side and tail boards?       Image: Construction of dust avoided to a level within the side and tail boards?       Image: Construction the construction of the construction the dust avoided to a level within the side and tail boards?       Image: Construction the dust avoided to a level within the side and tail boards?       Image: Construction the dust avoided to a level within the side and tail boards?       Image: Construction the dust avoided to a level within t	B20	dry pulverized fuel ash (PFA) covered entirely by impervious sheeting or placed in an area sheltered				Not Observed
handing or storage of bulk cement or dry PFA carried out in a totally enclosed system or facility?       Image: Construction of the construction of the construction of the construction site where the exposed earth lies?       N/A         B23       Is any vent or exhaust fitted with an effective fabric filter or equipment air pollution control system?       Image: Construction of the construction of the construction of the construction activity on the construction site or part of the construction site where the exposed earth lies?       Image: Construction of dust avoided during loading or unloading?       Image: Construction of the construction site where the exposed earth lies?       Image: Construction of the const	B21	section between the washing facilities and the exit point paved with concrete, bituminous materials or				
filter or equipment air pollution control system?       Image: Compaction is the exposed earth properly treated by compaction, turfing, hydroseeding, vegetation planting or sealing with latex, vinyl, bitumen, shotcrete or other suitable surface stabilizer within six months after last construction activity on the construction site or part of the construction site where the exposed earth lies?       Image: Compaction is in the image: Compaction is iterated by iterated by compaction is iterated by compacting iterated by compacting with latex, vinyl, bitumen, shotcrete or other suitable surface stabilizer within six months after last construction activity on the construction site or part of the construction site where the exposed earth lies?       Image: Compacting iterated by compacti	B22	handing or storage of bulk cement or dry PFA	$\boxtimes$			N/A
compaction, turfing, hydroseeding, vegetation       Image: Compaction of planting or sealing with latex, vinyl, bitumen, shotcrete or other suitable surface stabilizer within six months after last construction activity on the construction site or part of the construction site where the exposed earth lies?       Image: Compaction of the construction activity on the construction site where the exposed earth lies?         B25       Are the worksites wetted with water regularly?       Image: Compaction of dust avoided during loading or unloading?       Image: Compaction of dust avoided during loading or unloading?         B27       Are all trucks loaded to a level within the side and tail boards?       Image: Compaction of the compaction of the compaction of the compaction of the construction of the construction site where the exposed earth lies?	B23	-	$\square$			N/A
B26     Is generation of dust avoided during loading or unloading?     Image: Constraint of the second seco	B24	compaction, turfing, hydroseeding, vegetation planting or sealing with latex, vinyl, bitumen, shotcrete or other suitable surface stabilizer within six months after last construction activity on the construction site or part of the construction site where the exposed earth lies?				
unloading?     Image: Constraint of the side and tail boards?     Image: Constraint of the side and tail boards?	B25	Are the worksites wetted with water regularly?				
tail boards?	B26					
B28   Are appropriate speed limit sign displayed?	B27					
	B28	Are appropriate speed limit sign displayed?		$\boxtimes$		

# Report No. <u>0049-20230508</u>

B29	Are designated roads paved?	$\boxtimes$	
B30	Are site vehicle movements confined to designated roads?	$\boxtimes$	
B31	Are NRMM labels properly affixed on the PMEs?	$\boxtimes$	

С	Noise	N/A or Not Observed	Yes	No	Remarks / Photo	
C1	Is well-maintained plant operated on-site and plant served regularly?		$\boxtimes$			
C2	Are vehicles and equipment switched off or throttled down while not in use?		$\boxtimes$			
C3	Is the noise directed away from nearby NSRs?		$\boxtimes$			
C4	Are the silencers or mufflers properly fitted on construction equipment and maintained regularly?	$\boxtimes$			N/A	
C5	Are mobile and/or noisy plant sited as far away from NSRs as possible and practicable and orientated so that the noise is directed away from nearby NSRs?		$\boxtimes$			
C6	Are material stockpiles, mobile container officer and other structures utilised to screen noisy activates?	$\boxtimes$			N/A	
C7	Is temporary hoarding installed located on the site boundaries between noisy construction activities and NSRs?	$\boxtimes$			N/A	
C8	Are noise barriers (typically density @14kg/m ² ) acoustic mat or full enclosure close to noise plants including air compressor, generators and saw etc. provided to protect NSRs?	X			N/A	
C9	Is the sequencing operation of construction plants where practicable?		$\boxtimes$			
C10	Is the hoarding maintained properly?	$\boxtimes$			N/A	
C11	Air compressors (500 kPa or above) and hand held percussive breaker (mass of above 10 kg) with valid noise labels?	$\boxtimes$			N/A	
C12	Are compressor operated with doors closed?	$\boxtimes$			N/A	
C13	QPME used with valid noise labels?	$\boxtimes$			Not Observed	
C14	Major noise source(s)			1		
		Traffic				
		Construction activities inside of site				
		Construction activities outside of site				
		Others:			-	

# Report No. 0049-20230508

(Construction Phase)

Environmental Site Inspection Checklist (Rev. 2)

D	Water Quality	N/A or Not Observed	Yes	No	Remarks / Photo
Constr	uction Activities				
D1	At the start of site establishment, are perimeter cut-off drains constructed to direct off-site water around the site with internal drainage works and erosion and sedimentation control facilities implemented?		$\boxtimes$		
D2	Are channels, earth bunds or sandbag barriers provided on site to properly direct stormwater to such silt removal facilities?		$\boxtimes$		
D3	Have dikes or embankments for flood protection implemented around the boundaries of earthwork areas?		$\boxtimes$		
D4	Have temporary ditches provided to facilitate the runoff discharge into an appropriate watercourse, through a site/ sediment trap?		$\boxtimes$		
D5	Are the sediment/ silt traps incorporated in the permanent drainage channels to enhance deposition rate?		$\boxtimes$		
D6	Are the retention time for silt/s and traps of the silt removal facilities be 5 minutes under maximum flow conditions?		$\boxtimes$		
D7	Is surface excavation works minimised during rainy seasons (April to September), as possible?		$\boxtimes$		
D8	Are all exposed earth areas completed or vegetated as soon as possible after earthworks completed, or alternatively, within 14 days of the cessation of earthworks where practicable.	$\boxtimes$			N/A
D9	Are exposed slope surfaces covered by tarpaulin sheets?			$\boxtimes$	To be treated with shotcrete in Portion E3-1.
D10	Have the overall slope of the site should be kept a minimum?		$\boxtimes$		
D11	Are all trafficked areas and access roads protected by coarse stone ballast		$\boxtimes$		
D12	Is wastewater from temporary site facilities controlled to prevent direct discharge to surface		$\boxtimes$		
D13	Are the silt removal facilities, channels and manholes maintained regularly?			$\boxtimes$	Refer to Reminder 2
D14	Is the deposite silt and grit removed regularly?		$\boxtimes$		
D15	Have the excavation of trenches in wet periods be dug and backfilled in short sections?	$\boxtimes$			N/A
D16	Is rainwater pumped out from trenches discharged into storm drains via silt system?	$\boxtimes$			N/A
D17	Are open stockpiles of construction materials e.g. aggregates and sand of more than 50m ³ on site covered with tarpaulin or similar fabric during rainstorms?	$\boxtimes$			N/A
D18	Are manholes adequately covered and temporarily sealed so as to prevent silt, construction materials or debris from getting into the drainage?		$\boxtimes$		
D19	Are the discharges of surface run-off into foul sewer always prevented?		$\boxtimes$		

D20	Is a wheel washing bay provided at every site exit?		$\boxtimes$		
D21	Is the wheel wash overflow directed to silt removal facilities before being discharged to the storm drain?		$\boxtimes$		
D22	Is the section of construction road between the wheel washing bay and the public road surfaced with crushed stone or coarse gravel?		$\boxtimes$		
D23	Are the vehicle wash-water have sand and silt settled out and removed at least on a weekly basis?			$\boxtimes$	Refer to Observation 1
D24	Are site drainage systems provided over the entire project site with sediment control facilities?		$\boxtimes$		
D25	Are sedimentation tanks provided to treat the large amount of sediment-laden wastewater generated from wheel washing, site runoff and construction works?		$\boxtimes$		
D26	Is the treated wastewater reused for vehicle washing, dust suppression and general cleaning?		$\boxtimes$		
D27	Are portable chemical toilets and sewage holding tanks provided?		$\boxtimes$		
D28	Is the sewage generated from toilets collected by licensed contractor and responsible for disposal and maintenance?		$\boxtimes$		
D29	Is there any sediment plume observed in nearby watercourses?	$\boxtimes$			N/A
D30	Are oil interceptors provided in the site drainage system downstream of any oil/ fuel pollution sources? And the oil interceptors are emptied and cleaned regularly? Has a bypass provided to prevent flushing during heavy rain?	$\boxtimes$			Not Observed
D31	Is chemical leakage or spillages contained and cleaned up immediately?	$\boxtimes$			N/A
D32	Service workshop and maintenance facilities located within a bunded area, and sumps and oil interceptors be provided?	$\boxtimes$			N/A

E	Waste / Chemical Management	N/A or Not Observed	Yes	No	Remarks / Photo
<u>Genera</u>	al Waste				
E1	Is the general waste generated on-site stored in enclosed bins or compaction units separately from the construction and chemical wastes?			$\boxtimes$	Refer to Reminder 1
E2	Is the general waste collected properly by using the waste separation facilities for paper, aluminium cans, plastic bottles etc.?			$\boxtimes$	Refer to Reminder 1
E3	Does accumulation of waste avoid?			$\boxtimes$	Refer to Reminder 1
E4	Is waste disposed regularly?			$\boxtimes$	Refer to Reminder 1
E5	Regular waste collection by approved waste collector in purpose-built vehicles?		$\boxtimes$		
E6	Burning of refuse on construction site prohibited?		$\boxtimes$		

(Construction Phase)

Environmental Site Inspection Checklist (Rev. 2)

Constr	uction Waste						
E7	Are the temporary stockpiles maintained regularly?		$\boxtimes$				
E8	Is the excavated fill material reused for backfilling and reinstatement?		$\boxtimes$				
E9	Are the C&D materials sorted and recycled on- site?		$\square$				
E10	Is there any contract documents provided to allow and promote the use of recycled aggregates where appropriate?	$\boxtimes$			Not Observed		
E11	Is the disposal of C&D materials avoided onto any sensitive locations e.g. agricultural lands etc.?		$\square$				
E12	Are the public fill and C&D waste segregated and stored in different containers or skips to enhance reuse or recycling of materials and their proper disposal?		$\boxtimes$				
E13	Is the durable formwork or plastic facing for construction works used?	$\boxtimes$			N/A		
E14	Do the wooden hoardings avoid to be used?	$\boxtimes$			N/A		
E15	Is metal hoarding used to enhance the possibility of recycling?	$\boxtimes$			N/A		
E16	Is the segregation and storage of C&D wastes undertaken in designated area?		$\boxtimes$				
E17	Are waste storage area properly cleaned and do not cause windblown litter and dust nuisance?		$\square$				
E18	Do the excavated materials appear contaminated?			$\boxtimes$			
E19	If suspected contaminated, appropriate procedures followed?	$\boxtimes$			N/A		
E20	Is hydroseeding of the topsoil on the stockpile implemented to improve visual appearance and prevent soil erosion?	$\boxtimes$			N/A		
<u>Chemi</u>	cal / Fuel Storage Area						
E21	Are the fuel tanks and chemical storage areas provided with locks and sited on sealed areas?	$\boxtimes$			Not Observed		
E22	Are the storage area enclosed 3 sides by walls/ fence of ≥2m tall and bounded with adequate bund capacity (>110% of largest container) or do the storage area allow storage of 20% of total volume of waste?	$\boxtimes$			Not Observed		
E23	Are the storage areas labelled and separated (if needed)?	$\boxtimes$			Not Observed		
E24	Do the storage areas have adequate ventilation and be covered to prevent rainfall entering?	$\boxtimes$			Not Observed		
E25	Are the containers used for the storage of chemical wastes suitable for the substance that are holding, resist to corrosion, maintained in a good condition, and securely closed?	$\boxtimes$			Not Observed		
E26	If no specification has been approved by EPD, are container with <450L capacity provided for storage of chemicals waste?	$\boxtimes$			Not Observed		
<u>Chemi</u>	Chemical Waste / Waste Oil						

E27	Is chemical waste or waste oil stored and labelled			
	in English and Chinese properly in designated			
	area?			
E28	Are chemicals and waste oil recycled or disposed	$\square$		Not Observed
	properly?			
E29	Is chemical waste collected by licensed waste			
	collectors and disposed of at licensed facility eg.			
	Chemical Waste Treatment Centre?			
Record	ls			
500			1	l
E30	Is a licensed waste hauler used for waste			
	collection?			
E31	Are the records of quantities of wastes generated,			
	recycled and disposed properly kept?			
E32	For the demolition material/ waste, is the number	$\boxtimes$		N1/A
	of loads for each day recorded as appropriate?			N/A

F	LFG	N/A or Not Observed	Yes	No	Remarks / Photo
F1	Are special LFG precautions taken to avoid potential hazards of LFG exposure (ignition, explosion, asphyxiation, toxicity)?	$\boxtimes$			Not Observed
F2	Are prominent safety warning signs erected on-site to alert all personnel and visitors of LFG hazards during excavation works.?		$\boxtimes$		
F3	Is no smoking or burning permitted on-site?		$\boxtimes$		
F4	Are prominent 'No smoking' and 'No Naked Flames' signs erected on-site?		$\boxtimes$		
F5	Is no worker allowed to work alone at any time in excavated trenches or confined areas on-site?	$\square$			N/A
F6	Is adequate fire fighting equipment provided on- site?		$\boxtimes$		
F7	Are construction equipment equipped with vertical exhaust at least 0.6m above ground installed with spark arrestors?	$\boxtimes$			Not Observed
F8	Are electrical motors and extension cords explosion-proof and intrinsically safe for use on- site?	$\square$			Not Observed
F9	Is 'Permit to Work' system implemented?		$\boxtimes$		
F10	Are welding, flame-cutting or other hot works conducted only under 'Permit to Work' system following clear safety requirements, gas monitoring procedures and presence of qualified persons to supervise the works?		$\square$		
F11a	For piping assembly or conduit construction, are all valves and seals closed immediately after installation?	$\boxtimes$			Not Observed
F11b	Are the pipe ends sealed on one side during installation if installation of large diameter pipes (diameter >600mm) is required?	$\boxtimes$			Not Observed
F11c	Is forced ventilation implemented prior to operation of installed pipeline?	$\boxtimes$			Not Observed
F11d	Is forced ventilation implemented for works inside trenches deeper than 1m?	$\boxtimes$			Not Observed

			1	
F12	Is frequency and location of LFG monitoring within excavation area determined prior to commencement of works?			
	*LFG monitoring in excavations should be conducted at no more than 10mm from exposed ground surface.			
F13	For excavation works, Is LFG monitoring 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?			
F14	Are LFG monitoring conducted periodically when any cracks on ground level encountered on-site? *Appropriate action should be taken in accordance			Not Observed
	with the action plan in Table 7.6 of EIA Report.			
F15a	Are LFG precautionary measures involved in excavation and piping works provided in accordance with LFG Guidance Note and included in Safety Plan of construction phase?	$\boxtimes$		Not Observed
F15b	Are temporary offices or buildings located where free LFG has been proven or raised clear of ground at a separation distance of at least 500mm?	$\boxtimes$		Not Observed
F16	Is a Safety Officer trained in the use of gas detection equipment and LFG- related hazards 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: •CH4: 0-100% and LEL: 0-100%/v			Not Observed
	•CO ₂ : 0-100% •O ₂ : 0-21%			
F17a	Periodically during groundwork construction, Is the works area monitored for CH ₄ CO ₂ and O ₂ using appropriately calibrated portable gas detection equipment?			Not Observed
	*The monitoring frequency and areas should be established prior to commencement of groundwork either by Safety Officer or appropriately qualified person.			
F17b	Is routine monitoring carried out in all excavations, manholes, created by temporary storage of building materials on-site?			
F17c	Are all measurements in excavations made with monitoring tube located not more than 10mm from exposed ground surface?		$\square$	
F18	<ul> <li>For excavations deeper than 1m, are measurements conducted?</li> <li>At ground surface before excavation commences;</li> </ul>		$\boxtimes$	

	<ul> <li>Immediately before any worker enters the excavation;</li> <li>At the beginning of each working day for entire period the excavation remains open; and</li> <li>Periodically throughout the working day whilst workers are in excavation.</li> </ul>		
F19	<ul> <li>For excavations between 300mm and 1m, are measurements conducted?</li> <li>Directly after excavation has been completed; and</li> <li>Periodic all whilst excavation remains open.</li> </ul>	$\boxtimes$	
F20	For excavations less than 300mm, are monitoring omitted at the discretion of Safety Officer or appropriately qualified person?	$\boxtimes$	

G	Landscape and Visual Impacts	N/A or Not Observed	Yes	No	Remarks / Photo
G1	Is the work site confined within site boundaries?		$\boxtimes$		
G2	Is damage to surrounding areas avoided?		$\boxtimes$		
G3	Are the protective fencing erected along or beyond the perimeter of the tree protection zone of each individual tree?		$\boxtimes$		
G4	Is early planting using fast growing plants at strategic locations within site implemented?	$\boxtimes$			N/A
G5	Is boundary green belt planting implemented around the site perimeter and the construction of temporary soil bunds?	$\boxtimes$			N/A
G6	Is temporary landscape treatment as green surface cover implemented?	$\boxtimes$			N/A
G7	Are existing and affected tree which identified as ecological significant preserved whenever possible?	$\boxtimes$			Not Observed

н	Ecology	N/A or Not Observed	Yes	No	Remarks / Photo
H1	Is transplantation of the important plant species implemented? Is post-transplantation maintained and monitored regularly?	$\boxtimes$			Not Observed

I	Environmental Complaint	N/A or Not Observed	Yes	No	Remarks / Photo
11	Environmental Complaint received during this week?			$\boxtimes$	

J	General Housekeeping / Others	N/A or Not Observed	Yes	No	Remarks / Photo
J1	Are the defined boundaries of working areas identified to prevent loss of vegetation		$\boxtimes$		
J2	Are the portable toilets maintained in a state, which will not deter the workers from utilizing these portable toilets?		$\boxtimes$		

# Follow up action for previous Site Inspection: The Contractor scheduled watering for the dusty stockpile. Observation(s): Accumulated sand and silt shall be cleared off in the wheel washing bay in SBA. Reminder(s): The Contractor has been reminded to cover the waste skip with impervious sheets during and rainfall, to avoid accumulation of waste and to implement waste sorting. The Contractor has been reminded to ensure all silt removal facilities functioning properly for the upcoming rainfall and the discharged wastewater shall comply with WPCO requirement. Corrective Actions – Mitigation Measures Implemented or Proposed (if any): The Contractor has been reminded to conduct regularly cleaning work for the wheel washing bay and to

- 1. The Contractor has been reminded to conduct regularly cleaning work for the wheel washing bay and to ensure the implementation of vehicle washing in SBA.
- 2. Waste skip shall be covered with impervious sheets during rainfall. General waste shall be properly sorted, recycled and regularly disposed.
- 3. Construction and surface runoff shall be directed to silt removal facilities and treated wastewater shall fulfill WPCO requirement.

	Environmental Team Representative:	IEC's Representative:	Contractor's Representative:	Engineer's Representative
Signature:	Mi	1	Werman	40
Name:	Andy Ng	1	William Wan	Sylvia Ho
Date:	08 May 2023	1	08 May 2023	08 May 2023

#### Environmental Site Inspection Checklist (Rev. 2)

#### PART I Follow-up status of the previous site inspection

Observation and Recommendation	Follow-up status
1. The exposed slope surface near the stream has been covered with impervious sheets as a temporary mitigation measure. Shotcrete will be applied to the exposed surface by the end of April to prevent surface runoff into stream in long term.	To be implemented

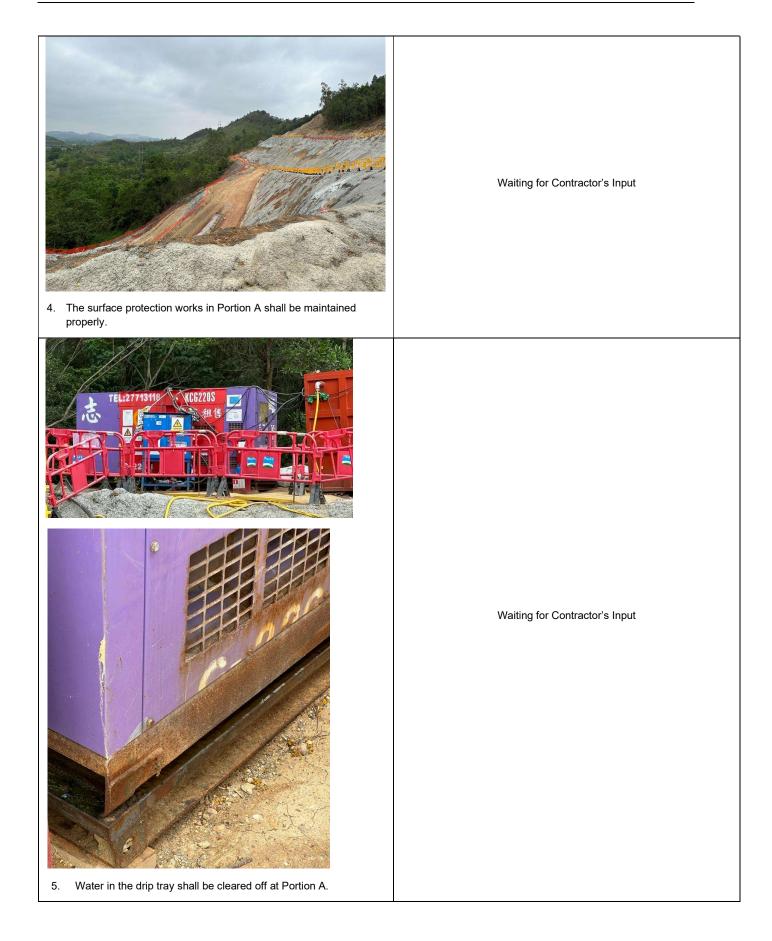


- 2. The Contractor was reminded to spray water on the surface of dusty material in SBA to prevent dust dispersion.
- 3. Dust suppression measure shall be enhanced to cover all dry work area and dusty stockpile in SBA.

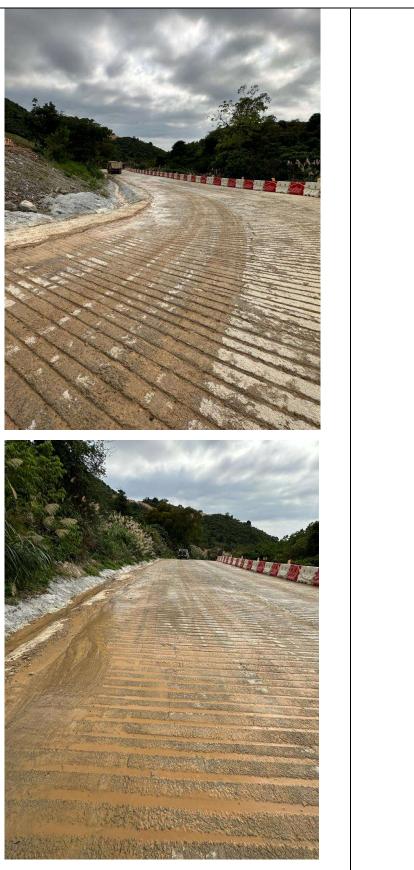


The Contractor scheduled watering for the dusty stockpile.

#### Environmental Site Inspection Checklist (Rev. 2)



Waiting for Contractor's Input



6. Sand and silt were observed at the road leading to SBA

#### PART II Observation and recommendation identified during the environmental site inspection

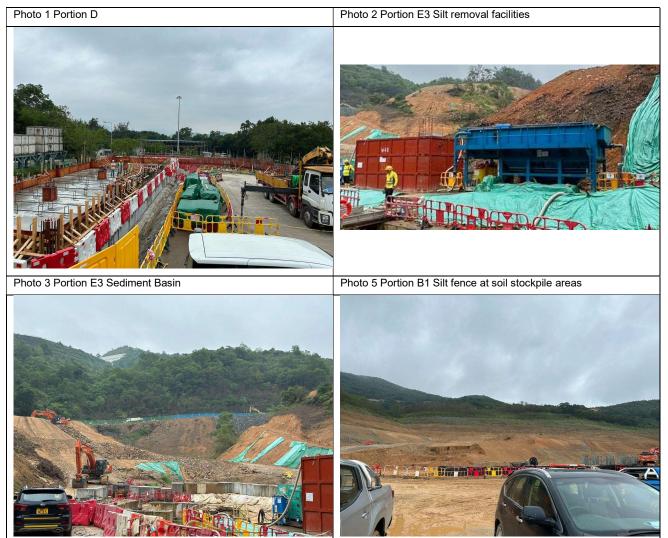
Observation and Recommendation	Follow-up status
1.       Accumulated sand and silt shall be cleared off in the wheel washing bay in SBA.	
<ol> <li>The Contractor has been reminded to cover the waste skip with important during minfell. to quaid accumulation of waste and</li> </ol>	
impervious sheets during rainfall, to avoid accumulation of waste and to implement waste sorting.	

#### Environmental Site Inspection Checklist (Rev. 2)

Observation and Recommendation	Follow-up status
3. The Contractor has been reminded to ensure all silt removal facilities functioning properly for the upcoming rainfall and the discharged wastewater shall comply with WPCO requirement.	

Environmental Site Inspection Checklist (Rev. 2)

#### PART III Temporary surface water drainage system photo record during the environmental site inspection



# Environmental Site Inspection Checklist (Rev. 2)

Photo 5 Portion B1



Inspection Date:	15 May 2023	Inspected By:	Jason Man	
Time:	14:00	Weather Condition:	Fine	
Participants:	Sylvia Ho (ER), William Wan (Contractor), Kristy Wong (Contractor), Echo Hung (IEC) & Jason (ET)			

A	Permits/Licenses	N/A or Not Observed	Yes	No	Remarks / Photo
A1	Are Environmental Permit, license/ other permit displayed at major site exit and vehicle access?		$\boxtimes$		
A2	Are Construction Noise Permits/ Environmental license/ other permit available for inspection/posted at site entrance.		$\boxtimes$		
A3	Is wastewater discharge licence available for inspection?		$\boxtimes$		
A4	Are trip tickets for chemical waste and construction waste disposal available for inspection?		$\boxtimes$		
A5	Are relevant licence/permit for disposal of construction waste or excavated materials available for inspection?		$\boxtimes$		

в	Air Quality	N/A or Not Observed	Yes	No	Remarks / Photo	
B1	Is open burning avoided?		$\square$			
B2	Are <b><u>plant and equipment</u></b> well maintained (i.e. without black smoke from powered plant)?		$\boxtimes$			
B3	Any remedial action undertaken?	$\boxtimes$			N/A	
B4	Are the <b>worksites</b> wetted with water regularly?		$\boxtimes$			
B5	Are <b><u>NRMM labels</u></b> properly affixed on the PMEs?		$\boxtimes$			
B6	Observed dust source(s)					
☐ Wind erosion						
	Vehicle/ Equipment Movements					
		Loading/	unloading	of materi	als	
		Others: _				
Air Po	ollution Control (Construction Dust) Regulation					
<u>Part I</u>	Control Requirements for Notifiable Works					
Demo	plition of building					
B7	Is the area involved demolition activities <b>sprayed</b> <b>with water</b> or a dust suppression chemical immediately prior to, during and immediately after the activities?			$\boxtimes$	N/A	
Cons	truction of the superstructure of a building					
B8	Is <b><u>scaffolding</u></b> erected around the perimeter of a building under construction?	$\boxtimes$			N/A	

B9	Are effective <u>dust screens</u> , <u>sheeting</u> or <u>netting</u> provided to enclose the scaffolding from the ground floor level of the building, or a canopy provided from the first floor level up to the highest level of the scaffolding?	$\boxtimes$		N/A
B10	Is the <u>skip</u> for materials transport enclosed by <u>impervious sheeting</u> ?	$\boxtimes$		N/A
Part I	II General Control Requirements			
<u>Site b</u>	oundary and entrance			
B11	Are <u>wheel washing facilities</u> with <u>high pressure</u> <u>water jet</u> provided at all site exits if practicable?		$\boxtimes$	
B12	Are the <u>areas of washing facilities</u> and the <u>road</u> <u>section between the washing facilities</u> and the <u>exit point</u> paved with concrete, bituminous materials or hardcores?		$\boxtimes$	
B13	Are the <u>hoarding</u> $\geq$ 2.4m tall provided at the site boundary near a road, street, service lane or other area accessible to the public?		$\square$	
Asse	ss road			
B14	Are every <b>main haul road</b> (having a vehicle passing rate of higher than 4 in any 30 minutes) paved with concrete, bituminous materials, hardcorres or metal plates, and kept clear of dusty materials?		$\boxtimes$	
B15	Are every <b>main haul road</b> sprayed with water or a dust suppression chemical?		$\boxtimes$	
B16	Is the portion of any road leading only to construction site (within <u>30m of a vehicle entrance or exit</u> ) kept clear of dusty materials?		$\boxtimes$	
B17	Are appropriate <b>speed limit sign</b> displayed?		$\boxtimes$	
B18	Is <b>unpaved main haul road</b> wet by water spraying?		$\boxtimes$	
Ceme	ent and dry pulverized fuel ash (PFA)		1	
B19	Is every stock of <u>more than 20 bags of cement</u> or dry pulverized fuel ash ( <u>PFA</u> ) covered entirely by impervious sheeting or placed in an area sheltered on the top and 3 sides?	$\boxtimes$		N/O
B20	Are the <b>activities of loading</b> , <b>unloading</b> , <b>transfer</b> , <b>handing or storage of bulk cement or dry PFA</b> <b>carried</b> out in a totally enclosed system or facility?	$\boxtimes$		N/A
B21	Is any vent or exhaust fitted with an <u>effective fabric</u> filter or equipment air pollution control system?	$\boxtimes$		N/A
Expo	sed earth		1	
B22	Is the exposed earth properly treated by compaction, turfing, hydroseeding, vegetation planting or sealing with latex, vinyl, bitumen, shotcrete or other suitable surface stabilizer within 6 months after last construction activity on the construction site or part of the construction site where the exposed earth lies?		$\boxtimes$	

Environmental Site Inspection Checklist (Rev. 3)

Part I	Part IV Control Requirements for Individual Activities						
Stockpiling of dusty materials							
B23	<ul> <li>Are the stockpiling of dusty materials</li> <li>(a) covered entirely by <u>impervious sheeting</u> or</li> <li>(b) placed in an <u>area sheltered on the top and the</u> <u>3 sides</u> or</li> <li>(c) <u>sprayed with water</u> or a dust suppression chemical to maintain the entire surface wet</li> <li>and then removed or backfilled or reinstated where</li> </ul>		X				
B24	practicable within 24 hours of the <u>excavation or</u> <u>unloading</u> ? Is the stockpile of dusty materials avoid to be extend beyond the <u>pedestrian barriers, fencing or</u> <u>traffic cones</u> ?						
Load	ing, unloading or transfer of dusty materials			1			
B25	Are all dusty materials <u>sprayed with water</u> or a dust suppression chemical immediately <u>prior to</u> <u>any loading, unloading or transfer operation</u> so as to maintain the dusty materials wet?						
B26	Are <u>all trucks loaded</u> to a level within the side and tail boards?						
<u>Use c</u>	of vehicles	L	1	1			
B27	Are <b><u>every vehicle washed Immediately</u></b> to remove any dusty materials from its body and wheels before leaving a construction site?						
B28	Are <b>loaded dump trucks</b> covered by impervious sheeting appropriately before leaving the site?		$\boxtimes$				
B29	Are site <u>vehicle movements</u> confined to designated roads?		$\boxtimes$				
Pneu	matic or power-driven drilling, cutting and polishing	9					
B30	Are <u>surfaces</u> where any <u>pneumatic or power-</u> <u>driven drilling, cutting, polishing or other</u> <u>mechanical breaking operations</u> takes place sprayed with water or a dust suppression chemical continuously? *Unless the process is accompanied by the operation of an effective dust extraction and filtering device.	$\boxtimes$			N/A		
Debris handling							
B31	Are any debris covered entirely by <u>impervious</u> <u>sheeting</u> or stored in a <u>debris collection area</u> sheltered on the top and the 3 sides?	$\boxtimes$			N/A		
B32	Are every <u>debris chute</u> shall be enclosed by impervious sheeting or similar materials?	$\boxtimes$			N/A		
B33	Are the watering spray or a dust suppression chemical conducted before <u>debris is dumped</u> into a debris chute?	$\boxtimes$			N/A		

Exca	vation or earth moving			
B34	Are the working area of any excavation or earth moving operation <u>sprayed with water</u> or a dust suppression chemical immediately before, during and immediately after the operation?	$\boxtimes$		
<u>Site c</u>	learance			
B35	Are the working area for the <u>uprooting of trees</u> , <u>shrubs</u> , or <u>vegetation</u> or for the <u>removal of</u> <u>boulders</u> , <u>poles</u> , <u>pillars</u> or <u>temporary</u> or <u>permanent structures</u> sprayed with water or a dust suppression chemical immediately before, during and immediately after the operation?	$\boxtimes$		
B36	Are <u>all demolished items</u> (including <u>trees</u> , <u>shrubs</u> , <u>vegetation</u> , <u>boulders</u> , <u>poles</u> , <u>pillars</u> , <u>structures</u> , <u>debris</u> , <u>rubbish</u> and <u>other items arising from site</u> <u>clearance</u> ) that may dislodge dust particles covered entirely by impervious sheeting or placed in an area sheltered on the top and the 3 sides within a day of demolition?		$\boxtimes$	Refer to Observation 1

с	Construction Noise	N/A or Not Observed	Yes	No	Remarks / Photo	
C1	Is <b>well-maintained plant</b> operated on-site and plant served regularly?		$\boxtimes$			
C2	Are <u>vehicles</u> and <u>equipment</u> switched off or throttled down while not in use?		$\boxtimes$			
C3	Is the noise directed away from nearby <u>NSRs</u> ?		$\square$			
C4	Are the <u>silencers</u> or <u>mufflers</u> properly fitted on construction equipment and maintained regularly?	$\boxtimes$			N/A	
C5	Are <b>mobile</b> and/or <b>noisy plant</b> sited as far away from NSRs as possible and practicable and orientated so that the noise is directed away from nearby NSRs?		$\boxtimes$			
C6	Are <u>material stockpiles</u> , <u>mobile container officer</u> and <u>other structures</u> utilised to screen noisy activates?		$\boxtimes$			
C7	Is <b>temporary hoarding</b> installed located on the site boundaries between noisy construction activities and NSRs?	$\boxtimes$			N/O	
C8	Are <u>noise barriers</u> (typically density @14kg/m ² ) <u>acoustic mat</u> or <u>full enclosure</u> close to noise plants including air compressor, generators and saw etc. provided to protect NSRs?	X			N/O	
C9	Is the sequencing <b>operation</b> of <b>construction plants</b> where practicable?		$\boxtimes$			
C10	Is the hoarding maintained properly?	$\boxtimes$			N/O	
C11	<u>Air compressors</u> (500 kPa or above) and <u>hand</u> <u>held percussive breaker</u> (mass of above 10 kg) with valid noise labels?					
C12	Are <u>compressor</u> operated with doors closed?		$\boxtimes$			
C13	<b><u>QPME</u></b> used with valid noise labels?		$\boxtimes$			
C14	Major noise source(s)					
		X Traffic				
			tion activiti	es inside	of site	
		Construction activities outside of site				
		Others: N	lot observe	ed		

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#### (Construction Phase)

Environmental Site Inspection Checklist (Rev. 3)

D	Water Quality	N/A or Not Observed	Yes	No	Remarks / Photo			
Const	Construction Runoff							
D1a	At the start of site establishment, are perimeter <u>cut-</u> <u>off drains</u> constructed to direct off-site water around the site with internel drainage works and eraging and		$\boxtimes$					
	the site with internal drainage works and erosion and sedimentation control facilities implemented?							
D1b	Are <u>channels</u> , <u>earth bunds</u> or <u>sandbag barriers</u> provided on site to properly direct stormwater to silt removal facilities?		$\boxtimes$					
D2a	Have <u>dikes</u> or <u>embankments</u> for <u>flood protection</u> implemented around the boundaries of earthwork areas?		$\boxtimes$					
D2b	Have <u>temporary ditches</u> provided to facilitate the runoff discharge into an appropriate watercourse, through a site/ sediment trap?		$\boxtimes$					
D2c	Are the <b><u>sediment/ silt traps</u></b> incorporated in the permanent drainage channels to enhance deposition rate?		$\boxtimes$					
D3	Are the <b>retention time for silt/s and traps</b> of the silt removal facilities be <b><u>5 minutes</u></b> under maximum flow conditions?		$\boxtimes$					
D4a	Are <b><u>surface excavation works</u></b> minimised during rainy seasons (April to September), as possible?		$\boxtimes$					
D4b	Are <u>all exposed earth areas</u> completed or vegetated as soon as possible after earthworks completed, or alternatively, <u>within 14 days</u> of the <u>cessation</u> of <u>earthworks</u> where practicable?		$\boxtimes$					
D4c	Are <u>exposed slope surfaces</u> covered by tarpaulin sheets?		$\boxtimes$		To be treated with shotcrete at part of slope surface.			
D5a	Have the <b>overall slope</b> of the site should be kept a minimum?		$\boxtimes$					
D5b	Are <u>all trafficked areas</u> and <u>access roads</u> protected by coarse stone ballast?		$\boxtimes$					
D6a	Are <b>all drainage facilities</b> and <b>erosion</b> and <b>sediment control structures</b> inspected regularly?		$\boxtimes$					
D6b	Are <u>all drainage facilities</u> and <u>erosion</u> and <u>sediment control structures</u> maintained to ensure proper and efficient operation at all times and particularly following rainstorms?		$\boxtimes$					
D6c	Is the <b><u>deposited silt</u></b> and <b><u>grit</u></b> removed regularly and disposed of by spreading evenly over stable?		$\boxtimes$					
D7a	Have the <b>excavation</b> of <b>trenches</b> in wet periods be dug and backfilled in short sections?		$\boxtimes$					
D7b	Is rainwater pumped out from trenches discharged into storm drains via silt system?		$\boxtimes$					
D8	Are <u>open stockpiles</u> of <u>construction materials</u> e.g. aggregates and sand of more than 50m ³ on site covered with tarpaulin or similar fabric during rainstorms?	$\boxtimes$			N/O			
D9a	Are <b>manholes</b> adequately covered and temporarily sealed so as to prevent silt, construction materials or debris from getting into the drainage?		$\boxtimes$					

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D9b	Are the <u>discharges</u> of <u>surface run-off</u> into foul sewer always prevented?		$\boxtimes$	
D10a	Are particular attention paid to the control of <u>silty</u> <u>surface runoff</u> during <u>storm event</u> ?		$\boxtimes$	
	Are the precautions to be taken at <u>any time</u> of year when rainstorms are likely? (Appendix A2 of ProPECC PN 1/94)			
	<ul> <li>i. <u>Silt removal facilitie</u>s, <u>channels</u> and <u>manholes</u> should be maintained and the <u>deposited silt</u> and <u>grit</u> should be removed regularly.</li> <li>ii. <u>Temporarily exposed slope surfaces</u> should be cover by tarpaulin.</li> </ul>			
D10b	iii. <u>Temporary access roads</u> should be protected by crushed stone or gravel.			
	<ul> <li>iv. <u>Intercepting channels</u> should be provided (e.g. along the crest/edge of excavation) to prevent storm runoff from washing across exposed soil surfaces.</li> </ul>			
	<ul> <li><u>Trenches</u> should be dug and backfilled in short sections. Measures should be taken to minimize the ingress of rainwater into trenches.</li> </ul>			
	Are the actions to be taken when a <u>rainstorm</u> is <u>imminent</u> or <u>forecas</u> t? (Appendix A2 of ProPECC PN 1/94)			
D10c	<ul> <li>i. <u>Silt removal facilities</u>, <u>channels</u> and <u>manholes</u> should be checked to ensure that they can function properly.</li> <li>ii. <u>Open stockpiles</u> of <u>construction materials</u> (e.g. aggregates, sand and fill materials) on site should be covered with tarpaulin or similar fabric.</li> <li>iii. <u>All temporary covers to slopes and stockpiles</u> should be secured.</li> </ul>	$\boxtimes$		N/A
	Are the actions to be taken <u>during</u> or <u>after</u> <u>rainstorms</u> ? (Appendix A2 of ProPECC PN 1/94)			
D10d	i. <u>Silt removal facilities</u> , <u>channels</u> and <u>manholes</u> should be checked and maintained to ensure satisfactory working conditions. Attention should be given to safety when carrying out this work.			
D11a	Are <u>all vehicles</u> and <u>plant</u> cleaned before leaving a construction site?		$\boxtimes$	
D11b	Is the <b>wheel washing bay</b> provided at every site exit?		$\boxtimes$	
D11c	Are the <u>vehicle wash-water</u> have sand and silt settled out and removed at least on a weekly basis?		$\square$	
D11d	Is the <b>wheel wash</b> overflow directed to silt removal facilities before being discharged to the storm drain?			
D11e	Is the section of <u>construction road between the</u> <u>wheel washing bay and the public road</u> paved with backfill?			
D11f	Is the treated wastewater reused for <u>vehicle</u> <u>washing</u> , <u>dust suppression</u> and <u>general cleaning</u> ?		$\boxtimes$	
D12a	Are <u>oil interceptors</u> provided in the site drainage system downstream of any oil/ fuel pollution sources?	$\boxtimes$		N/A
D12b	Are the <b><u>oil interceptors</u></b> are emptied and cleaned regularly to prevent the release of O&G into the storm water drainage system after accidental spillage?	$\boxtimes$		N/A

D12c	Has a <b><u>bypass</u></b> provided to prevent flushing during heavy rain?				
D13	Are the <u>construction solid waste</u> , <u>debris</u> and <u>rubbish</u> on site collected, handled and disposed of properly? (same with waste item)		$\boxtimes$		
D14	Are <u>all fuel tanks</u> and <u>storage areas</u> provided with locks and sited on sealed areas, within bunds of a capacity equal to 110% of the storage capacity of the largest tank?		$\boxtimes$		
D15	Is <b>Intercepting bund</b> or <b>barrier</b> along the roadside constructed to prevent pollution risk arising from work area (waste reception area)?				
D16	Are <u>site drainage systems</u> provided over the entire project site with sediment control facilities?		$\boxtimes$		
D17	Are <b>sedimentation tanks</b> provided to treat the large amount of sediment-laden wastewater generated from wheel washing, site runoff and construction works?		$\boxtimes$		
D18	Is there any <b>sediment plume</b> observed in nearby watercourses?			$\boxtimes$	
Sewag	e Effluent from Workforce (On-site sanitary facilities	s <u>)</u>			
D19a	Are <b>portable chemical toilets</b> and <b>sewage holding</b> <b>tanks</b> provided?				
D19b	Is the <b>sewage generated from toilets</b> collected by licensed contractor and responsible for disposal and maintenance?		$\boxtimes$		
D20	Are the <b>notices</b> posted at conspicuous locations to remind the workers not to discharge any sewage or wastewater into the nearby environment?	$\boxtimes$			N/O
Accide	ental Spillage of Chemical (Service workshop and m	aintenance fac	<u>:ilities)</u>		
D21a	Are the <u>service workshop</u> and <u>maintenance</u> <u>facilities</u> located within a bunded area, and sumps and oil interceptors?	$\boxtimes$			N/O
D21b	Are all <b>maintenance of equipment</b> involving activities with potential for leakage and spillage undertaken within the areas?	$\boxtimes$			N/O
D21c	Is <b><u>chemical leakage</u></b> or <b><u>spillages</u></b> contained and cleaned up immediately?	$\boxtimes$			N/O
Surfac	ce Water Drainage System				
D22a	Is the <b>temporary surface water drainage system</b> provided to manage runoff?				
D22b	Does the system consist of <b><u>channel</u></b> as constructed around the perimeter of the site area?				
D22c	Does the system collect surface water from the <u>areas</u> of higher elevations to those of <u>lower elevations</u> and ultimately to the discharge point?			$\boxtimes$	Refer to Observation 2
D22d	Is the <u>erosion</u> minimised?		$\square$		
D23a	Does the system include the <u>use of a silt fence</u> around the <u>soil stockpile areas</u> to prevent sediment from entering the system?				
D23b	Is the regular <u>cleaning</u> carried out to prevent blockage of the passage of waste flow in silt fence?		$\boxtimes$		

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(Construction Phase)

Environmental Site Inspection Checklist (Rev. 3)

E	Waste / Chemical Management	N/A or Not Observed	Yes	No	Remarks / Photo
Waste	Management				
Gener	al Waste				
E1	Is the general waste generated on-site stored in <u>enclosed bins</u> or compaction units separately from the construction and chemical wastes?		$\boxtimes$		
E2a	Is the general waste collected properly by using the <b>waste separation facilities</b> for paper, aluminium cans, plastic bottles etc.?		$\boxtimes$		
E2b	Does accumulation of waste avoid?		$\boxtimes$		
E2c	Is waste disposed regularly?		$\boxtimes$		
E2d	Regular <u>waste collection</u> by approved waste collector in purpose-built vehicles?		$\boxtimes$		
E3	Burning of refuse on construction site prohibited?		$\boxtimes$		
<u>C&amp;D I</u>	<u>Naterials</u>				
E4a	Are there any <u>contract documents</u> provided to allow and promote the <u>use of recycled aggregates</u> where appropriate?	$\boxtimes$			N/O
E4b	Are the <u>C&amp;D materials</u> sorted and recycled on-site?		$\boxtimes$		
E5a	Is the <b><u>durable formwork</u></b> or <b><u>plastic facing</u></b> for construction works used?		$\boxtimes$		
E5b	Do the <b>wooden hoardings</b> avoid to be used?		$\boxtimes$		
E5c	Is metal hoarding used to enhance the possibility of recycling?		$\boxtimes$		
E6a	Are the concrete and masonry used as <b>general fill</b> ?		$\boxtimes$		
E6b	Are the <u>steel reinforcement bars</u> used by scrap steel mills?		$\boxtimes$		
E6c	Is the <b>segregation</b> and <b>storage</b> of C&D wastes undertaken in designated area?		$\boxtimes$		
E6d	Does the <u>use of reusable steel formwork</u> maximise?		$\boxtimes$		
E7a	Are the temporary stockpiles maintained regularly?	$\boxtimes$			N/O
E7b	Is the <b>excavated fill material</b> reused for backfilling and reinstatement?		$\boxtimes$		
E8a	Are the <b>excavated slope</b> , <b>stockpile material</b> and <b>bund walls</b> covered by tarpaulin?		$\boxtimes$		
E8b	Are covering trucks or transporting wastes in enclosed containers when <b>transportation of waste</b> ?	$\boxtimes$			N/O
E8c	Are <u>waste storage area</u> properly cleaned and do not cause windblown litter and dust nuisance?		$\boxtimes$		
E9	Is <b><u>hydroseeding</u></b> of the topsoil on the <u>stockpile</u> implemented to improve visual appearance and prevent soil erosion?		$\boxtimes$		
E10	Is the <u>nomination</u> of <u>approved personnel</u> to be responsible for good site practices and making arrangements for collection of all wastes generated on-site and effective disposal implemented?		$\boxtimes$		

E11 E12	Are the <b>training</b> of <b>site personnel</b> for cleanliness, proper waste management procedures including chemical waste handling, and waste reduction, reuse and recycling concept implemented? Are the <b>regular cleaning</b> and <b>maintenance</b>				
	<b>programme</b> for drainage systems, sumps, oil interceptors?				
E13a	Are <b>wood</b> , <b>steel</b> and <b>other metals</b> separated for re- use and/or recycling?		$\boxtimes$		
E13b	Do the excavated materials appear contaminated?			$\square$	
E13c	If suspected contaminated, appropriate <b>procedures</b> followed?	$\boxtimes$			N/A
E14	Is the <b>disposal</b> of <b>C&amp;D materials</b> avoided onto any sensitive locations e.g. agricultural lands etc.?		$\boxtimes$		
E15	Are the <b><u>public fill</u></b> and <b><u>C&amp;D waste segregated</u></b> and <b><u>stored</u></b> in different containers or skips to enhance reuse or recycling of materials and their proper disposal?				
<u>Chemi</u>	ical Waste / Waste Oil				
E16	Are <b><u>chemicals</u></b> and <b><u>waste oil</u></b> recycled or disposed properly?		$\square$		
<u>Chemi</u>	ical Packaging				
E17a	Have the <u>containers</u> a capacity of <u>&lt;450 L</u> unless the specification has been approved by EPD?	$\boxtimes$			
E17b	Are the <u>containers</u> (holding, resistant to corrosion, maintained in a good condition, and securely closed) used for <u>storage of chemical wastes</u> ?	$\boxtimes$			
<u>Chemi</u>	ical Labelling			•	
E18	Is chemical waste or waste oil stored and labelled inEnglish and ChineseProperly in designated area?Capacity of ContainerDimensions of Label< 50L				
<u>Chemi</u>	ical Waste / Fuel Storage Area				
E19a	Are the <u>storage area</u> are clearly labelled and separated (if needed)?	$\boxtimes$			N/O
E19b	Are the <u>storage area</u> enclosed <u>3 sides by walls</u> / <u>fence of ≥2m tall</u> and bounded with adequate bund capacity (>110% of largest container) or do the storage area allow <u>storage of 20% of total volume</u> <u>of waste</u> ?	$\boxtimes$			N/O
E19c	Do the <u>storage areas</u> have adequate <u>ventilation</u> and be covered to prevent rainfall entering and reduce heat from sunlight?	$\boxtimes$			N/O
E19d	Are the <b>fuel tanks</b> and <b>chemical storage areas</b> provided with locks and sited on sealed areas?	$\boxtimes$			N/O
E20	Is chemical waste collected by <u>licensed waste</u> <u>collectors</u> and disposed of at <u>licensed facility</u> eg. Chemical Waste Treatment Centre?				

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Reco	<u>Records</u>							
E21	Is a licensed waste hauler used for <u>waste</u> <u>collection</u> ?		$\boxtimes$					
E22	Are the <b>records of quantities of wastes</b> generated, recycled and disposed properly kept?		$\boxtimes$					
E23	For the demolition material / waste, is the <u>number of</u> <u>loads</u> for each day recorded as appropriate?		$\boxtimes$					

F	Landfill Gas (LFG)	N/A or Not Observed	Yes	No	Remarks / Photo		
Within NENT Landfill Extension							
F1	Are <b>special LFG precautions</b> taken to avoid potential hazards of LFG exposure (ignition, explosion, asphyxiation, toxicity)?	$\boxtimes$			N/O		
F2	Are <b>prominent safety warning signs</b> erected on- site to alert all personnel and visitors of LFG hazards during excavation works.?	$\boxtimes$			N/O		
F3	Is <b>no smoking</b> or <b>burning</b> permitted on-site?	$\boxtimes$			N/O		
F4	Are prominent <u>'No smoking'</u> and <u>'No Naked</u> <u>Flames' signs</u> erected on-site?	$\boxtimes$			N/O		
F5	Is no worker allowed to <b>work alone</b> at any time in excavated trenches or confined areas on-site?		$\boxtimes$				
F6	Is adequate <u>fire fighting equipment</u> provided on- site?		$\boxtimes$				
F7	Are <u>construction equipment</u> equipped with vertical exhaust at least 0.6m above ground installed with spark arrestors?		$\boxtimes$				
F8	Are <u>electrical motors</u> and <u>extension cords</u> explosion-proof and intrinsically safe for use on- site?	$\boxtimes$			N/O		
F9	Is 'Permit to Work' system implemented?		$\boxtimes$				
F10	Are <b>welding</b> , <b>flame-cutting</b> or <b>other hot works</b> conducted only under 'Permit to Work' system following clear safety requirements, gas monitoring procedures and presence of qualified persons to supervise the works?		$\boxtimes$				
F11a	For <b>piping assembly or conduit construction</b> , are all valves and seals closed immediately after installation?	$\boxtimes$			N/A		
F11b	Are the <b>pipe ends</b> sealed on one side during installation if installation of large diameter pipes (diameter > 600mm) is required?	$\boxtimes$			N/A		
F11c	Is <u>forced ventilation</u> implemented prior to operation of installed pipeline?	$\boxtimes$			N/A		
F11d	Is <u>forced ventilation</u> implemented for <u>works</u> inside trenches deeper than 1m?	$\boxtimes$			N/A		
F12	Is frequency and location of <b>LFG monitoring</b> within excavation area determined prior to commencement of works?		$\boxtimes$				

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	*LFG monitoring in excavations should be conducted at < 10mm from exposed ground surface.		
F13	For excavation works, Is <u>LFG monitoring</u> 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?		
F14	Are <u>LFG monitoring</u> conducted periodically when any cracks on ground level encountered on-site? *Appropriate action should be taken in accordance with the action plan in Table 7.6 of EIA Report.		
F15a	Are <u>LFG precautionary measures</u> involved in <u>excavation</u> and <u>piping works</u> provided in accordance with LFG Guidance Note and included in Safety Plan of construction phase?	$\boxtimes$	
F15b	Are <b>temporary offices</b> or <b>buildings</b> located where free LFG has been proven or raised clear of ground at a separation distance of at least 500mm?	$\boxtimes$	
F16	Is a <u>Safety Officer trained</u> in the use of gas detection equipment and LFG- related hazards 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: •CH4: 0-100% and LEL: 0-100%/v •CO ₂ : 0-100% •O ₂ : 0-21%		
F17a	Periodically during groundwork construction, Is the works area 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.		
F17b	Is routine monitoring carried out in all excavations, manholes, created by temporary storage of building materials on-site?	$\boxtimes$	
F17c	Are all measurements in excavations made with monitoring tube located < 10mm from exposed ground surface?	$\boxtimes$	
F18	<ul> <li>For excavations &gt; 1m, are measurements conducted?</li> <li>At ground surface before excavation commences;</li> <li>Immediately before any worker enters the excavation;</li> <li>At the beginning of each working day for entire period the excavation remains open; and</li> </ul>	$\boxtimes$	

	• Periodically throughout the working day whilst workers are in excavation.		
F19	For excavations 300mm to 1m, are measurements conducted?	$\boxtimes$	
	<ul> <li>Directly after excavation has been completed; and</li> <li>Periodic all whilst excavation remains open.</li> </ul>		
F20	For excavations < 300mm, are monitoring omitted at the discretion of Safety Officer or appropriately qualified person?	$\boxtimes$	

G	Landscape and Visual Impacts	N/A or Not Observed	Yes	No	Remarks / Photo
G1	Is the work site <u>confined within</u> site boundaries?		$\square$		
G2	Is <b>damage</b> to surrounding areas <b>avoided</b> ?		$\square$		
G3	Are the protective fencing erected along or beyond the perimeter of the <u>tree protection zone</u> of each individual tree?		$\square$		
Advar	nced screening tree planting				
G4a	Is early planting using fast growing plants and tall shrubs at <u>strategic locations</u> within site implemented?		$\square$		
G4b	Are the roadside planter and shrub planting implemented in front of <b>Cheung Sha Temple</b> ?		$\square$		
Bound	dary Green Belt planting				
G5	Are the <u>fast growing</u> and <u>fire-resistant plant</u> <u>species</u> planted around the site perimeter?		$\boxtimes$		
Temp	orary landscape treatment as green surface cover				
G6	Are grass hydroseeding or synthetic covering material of green colour used as a <b>temporary slope <u>cover</u></b> ?				
Existi	ng tree preservation				
G7	Are <b><u>existing</u></b> and <u>affected tree</u> which identified as ecological significant preserved whenever possible?		$\boxtimes$		

н	Ecology	N/A or Not Observed	Yes	No	Remarks / Photo
H1	Is transplantation of the important plant species implemented? Is post-transplantation maintained and monitored regularly?		$\boxtimes$		

I	Environmental Complaint	N/A or Not Observed	Yes	No	Remarks / Photo
11	Environmental Complaint received during this week?			$\boxtimes$	

### Report No. 0050-20230515

#### (Construction Phase)

J	General Housekeeping / Others	N/A or Not Observed	Yes	No	Remarks / Photo
J1	Are the defined boundaries of working areas identified to prevent loss of vegetation		$\boxtimes$		
J2	Are the portable toilets maintained in a state, which will not deter the workers from utilizing these portable toilets?		$\boxtimes$		

### Follow up action for previous Site Inspection:

- 1. The surface protection works at Portion A was conducted by contractor.
- 2. The contractor arranged the water tank conducted the cleaning work at the road section between SBA and Portion A.

## Observation(s):

- 1. The accumulate of the uprooting of trees without covered entirely by impervious sheeting or placed in an area sheltered on the top and the 3 sides were found at the work area at SBA.
- 2. The accumulate water was found at the lower area at the Portion D.
- 3. Accumulate water in drip tray was observed at Portion D.

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

- 1. The contractor was recommended that the demolished trees should be covered by impervious sheeting or placed in an area sheltered on the top and the 3 sides.
- 2. The contractor was recommended that the surface water should be collected to silt removal facilities.
- 3. The contractor was recommended to keep cleaning the accumulated water in drip tray to minimize the large amount of potential chemical waste when the chemical leakage was found.

Report No. 0050-20230515

## (Construction Phase)

	Environmental Team's Representative:	Independent Environmental Checker's Representative:	Contractor's Representative:	Employee's Representative
Signature:		holos.	Wan Mary	-#0
Name:	Jason Man	Echo Hung	William Wan	Sylvia Ho
Date:	15 May 2023	15 May 2023	15 May 2023	15 May 2023

## PART I Follow-up status of the previous site inspection

PART I Follow-up status of the previous site inspection				
Observation and Recommendation	Follow-up status			
03 April 2023         Image: April 2023	To be implemented			
<section-header><image/><image/><image/></section-header>	The surface protection works at Portion A was conducted by contractor.			



Observation and Recommendation	Follow-up status
<section-header></section-header>	Waiting for Contractor's Input
Accumulated sand and silt shall be cleared off in the wheel washing bars	

Observation and Recommendation	Follow-up status
8 May 2023Image: Second	Waiting for Contractor's Input
Impervious sheets during rainfail, to avoid accumulation of waste and to implement waste sorting. 8 May 2023 Figure 1 A state of the solution of the solution of the solution of the state of the solution of the state of the solution of	Waiting for Contractor's Input

#### PART II Observation and recommendation identified during the environmental site inspection

Observation and Recommendation	Follow-up status
Observation:	
<ol> <li>The accumulate of the uprooting of trees without covered entirely by impervious sheeting or placed in an area sheltered on the top and the 3 sides were found at the work area at SBA.</li> </ol>	
Observation:	
2. The accumulate water was found at the lower area at the Portion D.	

Observation and Recommendation	Follow-up status
<image/>	
Observation:	
3. Accumulate water in drip tray was observed at Portion D.	

#### PART III Temporary surface water drainage system photo record during the environmental site inspection



Photo 7 Portion E3 Silt removal facilities

Photo 8 Portion E3 Sediment Basin



Inspection Date:	22 May 2023	Inspected By:	Jason Man				
Time:	14:00	Weather Condition:	Fine				
Participants:	Sylvia Ho (ER), Kristy Wong (Contractor) & Jason Man (ET)						

A	Permits/Licenses	N/A or Not Observed	Yes	No	Remarks / Photo
A1	Are Environmental Permit, license/ other permit displayed at major site exit and vehicle access?		$\boxtimes$		
A2	Are Construction Noise Permits/ Environmental license/ other permit available for inspection/posted at site entrance.		$\boxtimes$		
A3	Is wastewater discharge licence available for inspection?		$\boxtimes$		
A4	Are trip tickets for chemical waste and construction waste disposal available for inspection?		$\boxtimes$		
A5	Are relevant licence/permit for disposal of construction waste or excavated materials available for inspection?		$\boxtimes$		

в	Air Quality	N/A or Not Observed	Yes	No	Remarks / Photo				
B1	Is open burning avoided?		$\boxtimes$						
B2	Are <b><u>plant and equipment</u></b> well maintained (i.e. without black smoke from powered plant)?		$\boxtimes$						
B3	Any remedial action undertaken?	$\boxtimes$			N/A				
B4	Are the <b>worksites</b> wetted with water regularly?		$\boxtimes$						
B5	Are <b>NRMM labels</b> properly affixed on the PMEs?		$\boxtimes$						
B6	B6 Observed dust source(s)								
	☐ Wind erosion								
		Vehicle/ E	Equipment	Moveme	nts				
		Loading/	unloading	of materi	als				
		Others: _							
Air Po	ollution Control (Construction Dust) Regulation								
Part I	Control Requirements for Notifiable Works								
Demo	blition of building								
B7	Is the area involved demolition activities <b>sprayed</b> <b>with water</b> or a dust suppression chemical immediately prior to, during and immediately after the activities?	$\boxtimes$			N/A				
Cons	truction of the superstructure of a building								
B8	Is <b><u>scaffolding</u></b> erected around the perimeter of a building under construction?	$\boxtimes$			N/A				

#### (Construction Phase)

B9	Are effective <u>dust screens</u> , <u>sheeting</u> or <u>netting</u> provided to enclose the scaffolding from the ground floor level of the building, or a canopy provided from the first floor level up to the highest level of the scaffolding?	$\boxtimes$		N/A
B10	Is the <b>skip</b> for materials transport enclosed by <b>impervious sheeting</b> ?	$\boxtimes$		N/A
Part I	II General Control Requirements			
<u>Site k</u>	ooundary and entrance			
B11	Are <u>wheel washing facilities</u> with <u>high pressure</u>			
	water jet provided at all site exits if practicable?			
B12	Are the <u>areas of washing facilities</u> and the <u>road</u> <u>section between the washing facilities</u> and the <u>exit point</u> paved with concrete, bituminous materials or hardcores?		$\boxtimes$	
B13	Are the <u>hoarding</u> $\geq$ 2.4m tall provided at the site boundary near a road, street, service lane or other area accessible to the public?			
Asse	ss road			
			1	
B14	Are every <u>main haul road</u> (having a vehicle passing rate of higher than 4 in any 30 minutes) paved with concrete, bituminous materials, hardcorres or metal plates, and kept clear of dusty materials?		$\boxtimes$	
B15	Are every main haul road sprayed with water or a			
	dust suppression chemical?			
B16	Is the portion of any road leading only to construction site (within <u>30m of a vehicle entrance or exit</u> ) kept clear of dusty materials?		$\boxtimes$	
B17	Are appropriate <b>speed limit sign</b> displayed?			
B18	Is <b>unpaved main haul road</b> wet by water spraying?			
Ceme	ent and dry pulverized fuel ash (PFA)	L	<u> </u>	
B19	Is every stock of <u>more than 20 bags of cement</u> or dry pulverized fuel ash ( <u>PFA</u> ) covered entirely by impervious sheeting or placed in an area sheltered on the top and 3 sides?	$\boxtimes$		N/O
B20	Are the <b>activities of loading</b> , <b>unloading</b> , <b>transfer</b> , <b>handing or storage of bulk cement or dry PFA</b> <b>carried</b> out in a totally enclosed system or facility?	$\boxtimes$		N/A
B21	Is any vent or exhaust fitted with an <u>effective fabric</u> <u>filter or equipment air pollution control system</u> ?	$\boxtimes$		N/A
<u>Expo</u>	sed earth	I	1	
B22	Is the exposed earth properly treated by <u>compaction</u> , turfing, hydroseeding, vegetation <u>planting or sealing with latex</u> , vinyl, bitumen, <u>shotcrete or other suitable surface stabilizer</u> within 6 months after last construction activity on the construction site or part of the construction site where the exposed earth lies?			

Part I	Part IV Control Requirements for Individual Activities						
Stock	Stockpiling of dusty materials						
B23	<ul> <li>Are the stockpiling of dusty materials</li> <li>(a) covered entirely by <u>impervious sheeting</u> or</li> <li>(b) placed in an <u>area sheltered on the top and the</u> <u>3 sides</u> or</li> <li>(c) <u>sprayed with water</u> or a dust suppression chemical to maintain the entire surface wet</li> <li>and then removed or backfilled or reinstated where</li> </ul>		X				
B24	practicable within 24 hours of the <u>excavation or</u> <u>unloading</u> ? Is the stockpile of dusty materials avoid to be extend beyond the <u>pedestrian barriers, fencing or</u> <u>traffic cones</u> ?						
Load	ing, unloading or transfer of dusty materials			1			
B25	Are all dusty materials <u>sprayed with water</u> or a dust suppression chemical immediately <u>prior to</u> <u>any loading, unloading or transfer operation</u> so as to maintain the dusty materials wet?						
B26	Are <u>all trucks loaded</u> to a level within the side and tail boards?						
<u>Use c</u>	of vehicles	L	1	1			
B27	Are <b><u>every vehicle washed Immediately</u></b> to remove any dusty materials from its body and wheels before leaving a construction site?						
B28	Are <b>loaded dump trucks</b> covered by impervious sheeting appropriately before leaving the site?		$\boxtimes$				
B29	Are site <u>vehicle movements</u> confined to designated roads?		$\boxtimes$				
Pneu	matic or power-driven drilling, cutting and polishing	9					
B30	Are <u>surfaces</u> where any <u>pneumatic or power-</u> <u>driven drilling, cutting, polishing or other</u> <u>mechanical breaking operations</u> takes place sprayed with water or a dust suppression chemical continuously? *Unless the process is accompanied by the operation of an effective dust extraction and filtering device.	$\boxtimes$			N/A		
<u>Debri</u>	s handling						
B31	Are any debris covered entirely by <u>impervious</u> <u>sheeting</u> or stored in a <u>debris collection area</u> sheltered on the top and the 3 sides?	$\boxtimes$			N/A		
B32	Are every <u>debris chute</u> shall be enclosed by impervious sheeting or similar materials?	$\boxtimes$			N/A		
B33	Are the watering spray or a dust suppression chemical conducted before <u>debris is dumped</u> into a debris chute?	$\boxtimes$			N/A		

Exca	vation or earth moving			
B34	Are the working area of any excavation or earth moving operation <u>sprayed with water</u> or a dust suppression chemical immediately before, during and immediately after the operation?	$\boxtimes$		
<u>Site c</u>	<u>clearance</u>			
B35	Are the working area for the <u>uprooting of trees</u> , <u>shrubs</u> , or <u>vegetation</u> or for the <u>removal of</u> <u>boulders</u> , <u>poles</u> , <u>pillars</u> or <u>temporary</u> or <u>permanent structures</u> sprayed with water or a dust suppression chemical immediately before, during and immediately after the operation?	$\boxtimes$		
B36	Are <u>all demolished items</u> (including <u>trees</u> , <u>shrubs</u> , <u>vegetation</u> , <u>boulders</u> , <u>poles</u> , <u>pillars</u> , <u>structures</u> , <u>debris</u> , <u>rubbish</u> and <u>other items arising from site</u> <u>clearance</u> ) that may dislodge dust particles covered entirely by impervious sheeting or placed in an area sheltered on the top and the 3 sides within a day of demolition?		$\boxtimes$	Refer to Observation 1

с	Construction Noise	N/A or Not Observed	Yes	No	Remarks / Photo	
C1	Is <b>well-maintained plant</b> operated on-site and plant served regularly?		$\boxtimes$			
C2	Are <u>vehicles</u> and <u>equipment</u> switched off or throttled down while not in use?		$\boxtimes$			
СЗ	Is the noise directed away from nearby <u>NSRs</u> ?		$\square$			
C4	Are the <u>silencers</u> or <u>mufflers</u> properly fitted on construction equipment and maintained regularly?	$\boxtimes$			N/O	
C5	Are <b>mobile</b> and/or <b>noisy plant</b> sited as far away from NSRs as possible and practicable and orientated so that the noise is directed away from nearby NSRs?		$\boxtimes$			
C6	Are <u>material stockpiles</u> , <u>mobile container officer</u> and <u>other structures</u> utilised to screen noisy activates?		$\boxtimes$			
C7	Is <b>temporary hoarding</b> installed located on the site boundaries between noisy construction activities and NSRs?	$\boxtimes$			N/O	
C8	Are <u>noise barriers</u> (typically density @14kg/m ² ) <u>acoustic mat</u> or <u>full enclosure</u> close to noise plants including air compressor, generators and saw etc. provided to protect NSRs?	X			N/O	
C9	Is the sequencing <b>operation</b> of <b>construction plants</b> where practicable?		$\boxtimes$			
C10	Is the hoarding maintained properly?	$\boxtimes$			N/O	
C11	<u>Air compressors</u> (500 kPa or above) and <u>hand</u> <u>held percussive breaker</u> (mass of above 10 kg) with valid noise labels?		$\boxtimes$			
C12	Are <u>compressor</u> operated with doors closed?		$\square$			
C13	<b><u>QPME</u></b> used with valid noise labels?		$\boxtimes$			
C14	Major noise source(s)		•			
		X Traffic				
			tion activiti	es inside	of site	
		Construction activities outside of site				
		Others: N	lot observe	ed		

# Report No. 0051-20230522

(Construction Phase)

D	Water Quality	N/A or Not Observed	Yes	No	Remarks / Photo
Const	ruction Runoff				
D1a	At the start of site establishment, are perimeter <u>cut-</u> <u>off drains</u> constructed to direct off-site water around the site with internal drainage works and erosion and sedimentation control facilities implemented?		$\boxtimes$		
D1b	Are <u>channels</u> , <u>earth bunds</u> or <u>sandbag barriers</u> provided on site to properly direct stormwater to silt removal facilities?		$\boxtimes$		
D2a	Have <u>dikes</u> or <u>embankments</u> for <u>flood protection</u> implemented around the boundaries of earthwork areas?		$\boxtimes$		
D2b	Have <u>temporary ditches</u> provided to facilitate the runoff discharge into an appropriate watercourse, through a site/ sediment trap?		$\boxtimes$		
D2c	Are the <b><u>sediment/ silt traps</u></b> incorporated in the permanent drainage channels to enhance deposition rate?		$\boxtimes$		
D3	Are the <b>retention time for silt/s and traps</b> of the silt removal facilities be <b><u>5 minutes</u></b> under maximum flow conditions?		$\boxtimes$		
D4a	Are <b><u>surface excavation works</u></b> minimised during rainy seasons (April to September), as possible?		$\boxtimes$		
D4b	Are <u>all exposed earth areas</u> completed or vegetated as soon as possible after earthworks completed, or alternatively, <u>within 14 days</u> of the <u>cessation</u> of <u>earthworks</u> where practicable?		$\boxtimes$		
D4c	Are <u>exposed slope surfaces</u> covered by tarpaulin sheets?			$\boxtimes$	To be treated with shotcrete at part of slope surface. Refer to Observation 2
D5a	Have the <b>overall slope</b> of the site should be kept a minimum?		$\boxtimes$		
D5b	Are <u>all trafficked areas</u> and <u>access roads</u> protected by coarse stone ballast?		$\boxtimes$		
D6a	Are <u>all drainage facilities</u> and <u>erosion</u> and <u>sediment control structures</u> inspected regularly?		$\boxtimes$		
D6b	Are <u>all drainage facilities</u> and <u>erosion</u> and <u>sediment control structures</u> maintained to ensure proper and efficient operation at all times and particularly following rainstorms?		$\boxtimes$		
D6c	Is the <b><u>deposited silt</u></b> and <b><u>grit</u></b> removed regularly and disposed of by spreading evenly over stable?		$\boxtimes$		
D7a	Have the <b><u>excavation</u></b> of <u>trenches</u> in wet periods be dug and backfilled in short sections?		$\boxtimes$		
D7b	Is rainwater pumped out from <u>trenches</u> discharged into storm drains via silt system?		$\boxtimes$		
D8	Are <u>open stockpiles</u> of <u>construction materials</u> e.g. aggregates and sand of more than 50m ³ on site covered with tarpaulin or similar fabric during rainstorms?	$\boxtimes$			N/O

# Report No. <u>0051-20230522</u>

### (Construction Phase)

		1		
-	Are <u>manholes</u> adequately covered and temporarily			
D9a	sealed so as to prevent silt, construction materials or		$\square$	
	debris from getting into the drainage?			
D9b	Are the <u>discharges</u> of <u>surface run-off</u> into foul		$\square$	
	sewer always prevented?			
D10a	Are particular attention paid to the control of silty		$\square$	
Diba	surface runoff during storm event?			
	<ul> <li>Are the precautions to be taken at <u>any time</u> of year when rainstorms are likely? (Appendix A2 of ProPECC PN 1/94)</li> <li>i. <u>Silt removal facilities</u>, <u>channels</u> and <u>manholes</u> should be maintained and the <u>deposited silt</u> and <u>grit</u> should be removed regularly.</li> </ul>			
	ii. <u>Temporarily exposed slope surfaces</u> should be cover by tarpaulin.			
D10b	iii. <u>Temporary access roads</u> should be protected by crushed stone or gravel.			
	<li>iv. <u>Intercepting channels</u> should be provided (e.g. along the crest/edge of excavation) to prevent storm runoff from washing across exposed soil surfaces.</li>			
	v. <u><b>Trenches</b></u> should be dug and backfilled in short sections. Measures should be taken to minimize the ingress of rainwater into trenches.			
D10c	<ul> <li>Are the actions to be taken when a <u>rainstorm</u> is <u>imminent</u> or <u>forecas</u>t? (Appendix A2 of ProPECC PN 1/94)</li> <li>i. <u>Silt removal facilities</u>, <u>channels</u> and <u>manholes</u> should be checked to ensure that they can function properly.</li> <li>ii. <u>Open stockpiles</u> of <u>construction materials</u> (e.g. aggregates, sand and fill materials) on site should be covered with tarpaulin or similar fabric.</li> <li>iii. <u>All temporary covers to slopes and stockpiles</u> should be secured.</li> </ul>			
D10d	<ul> <li>Are the actions to be taken <u>during</u> or <u>after</u> <u>rainstorms</u>? (Appendix A2 of ProPECC PN 1/94)</li> <li>i. <u>Silt removal facilities</u>, <u>channels</u> and <u>manholes</u> should be checked and maintained to ensure satisfactory working conditions. Attention should be given to safety when carrying out this work.</li> </ul>		$\boxtimes$	
D11a	Are <u>all vehicles</u> and <u>plant</u> cleaned before leaving a construction site?		$\boxtimes$	
D11b	Is the <b>wheel washing bay</b> provided at every site exit?		$\square$	
D11c	Are the <b>vehicle wash-water</b> have sand and silt settled out and removed at least on a weekly basis?		$\boxtimes$	
D11d	Is the <b>wheel wash</b> overflow directed to silt removal facilities before being discharged to the storm drain?		$\boxtimes$	
D11e	Is the section of <u>construction road between the</u> <u>wheel washing bay and the public road</u> paved with backfill?			
D11f	Is the treated wastewater reused for <u>vehicle</u> washing, dust suppression and general cleaning?		$\square$	
D12a	Are <u>oil interceptors</u> provided in the site drainage system downstream of any oil/ fuel pollution sources?	$\boxtimes$		N/A

Are the <u>oil interceptors</u> are empired and cleaned water drainage system after accidental spillage?       N/A         P12       Heas a byoass provided to prevent flushing during heavy rain?       N/A         Are the <u>construction solid wasts debris</u> and <u>interprevent flushing during heavy rain?</u> N/A         Are the <u>construction solid wasts debris</u> and <u>interprevent flushing during heavy rain?</u> N/A         Are the <u>construction solid wasts debris</u> and <u>interprevent flushing during heavy rain?</u> N/A         Are the <u>construction solid wasts debris</u> and <u>interprevent flushing during heavy rain?</u> N/A         Are the <u>construction solid wasts debris</u> and <u>consequence pachy of the constructed to prevent pollution risk arising from work are expenden area?       N/A         D16       Are <u>site drainage systems</u> provided over the entire orgate capacity of the waster expenden area?       N/A         D17       Are <u>site drainage systems</u> provided to treat the large amount of sediment-laden wastewater generated from works?       N/A         D18       Is there any <u>sediment fourne</u> observed in nearby watercourses?       N/O         Sexuace Effluent from Workfore (On-site sanitar facilities)       N/O         D19       Are <u>sequence andy environ</u> and <u>sewage notation</u> and <u>sewage or waster andy environment?</u>       N/O         Cotable Chemical (Service workshop and maintenance facilities)       N/O       N/O         D19       Is the <u>sevage operated from toilets c</u></u>				1		
D12c       Has a bypass provided to prevent flushing during local values of the construction solid waste, debris, and rubbish on site collected, handled and disposed of properfy? (same with waste item)       Image: Construction solid waste, debris, and rubbish on site collected, handled and disposed of properfy? (same with waste item)         D14       Are all fuel tanks and storage areas provided with locks and site on seeled areas, within bunds of a capacity equal to 110% of the storage capacity of the larges tank?       Image: Constructed to prevent pollution risk arising from work area (waste reception area)?         D16       Are site drainage systems provided voer the entire project site with sediment control facilities?       Image: Constructed to prevent pollution risk arising from work area (waste reception area)?         D16       Are site drainage systems provided to treat the large amount of sediment-laden wastewater generated from wheel washing, site runoff and construction works?       Image: Constructed to prevent follows and severate generated from tolets collected by list here any sediment lolets and severage holding in antenance?         D178       Its there any sediment plume observed in nearby watercourses?       Image: Collected by list here any sediment plume observed to have a severage or wastewater into the rearby environment?       Image: Collected by list here any sediment plume observed and severage and severag	D12b		$\boxtimes$			N/A
Are the construction solid wasts debris and disposed of properly? (same with waste item)       Image: Construction solid wasts item)         Are all fuel tanks and storage areas provided with locks and state on sealed areas, within bunds of a capacity equal to 110% of the storage capacity of the largest tank?       Image: Construction solid wasts item)         D14       locks and site on sealed areas, within bunds of a capacity equal to 110% of the storage capacity of the large states item is a constructed to prevent pollution risk arising from work area (waste reception area)?       Image: Construction solid waste item is a constructed to prevent pollution risk arising from work area (waste reception area)?         D16       Are stile drainage systems provided to treat the large activation of sediment control facilities?       Image: Construction work of the storage construction works?         D17       Are sedimentiation tanks provided to treat the large account of sediment control facilities?       Image: Construction works?         D18       Is there any sediment plume observed in nearby watercourses?       Image: Construction area responsible for disposal and maintenance?       Image: Construction area responsible for disposal and maintenance?         D19       Its the service workshop and maintenance facilities)       Image: Construct and responsible for disposal and maintenance?       Image: Construct and responsible for disposal and maintenance facilities)         D201       Are the ontices posted at conspicuous locations to remind the workers not to discharge any spillage       Image: N/O       N/O         D218	D12c	Has a <b>bypass</b> provided to prevent flushing during				
D13       rubbish on site collected, handled and disposed of property? (same with washe item)       Image: Construct of the strange crease provided with locks and site on sealed areas, within bunds of a capacity of the largest tank?       Image: Construct of the strange capacity of the large stank?         D14       Is Intercenting bund or barrier along the toaddide constructed to prevent pollution risk arising from work area (waste reception area)?       Image: Construct of the strange capacity of the entire project site with sediment control facilities?       Image: Construct of the strange capacity of the entire project site with sediment control facilities?         D16       Are stedimentation tanks provided over the entire project site with sediment control facilities?       Image: Construct of the construction area?         D17       Are stedimentation tanks provided to treat the large amount of sediment jume observed in nearby involved construction works?       Image: Construct on the strange construct on the strange construct on the sewage of the conspicuous locations to maintenance?       Image: Construct on the construct on the sewage construct on the nearby environment?         Are the service workshop and maintenance facilities)       Image: Construct on the area?       Image: Construct on the area?         D201       Are the service workshop and maintenance facilities)       Image: Construct on the area?       Image: Construct on the area?         D210       Are all maintenance of segment involving and on intercance of segm						
Are all fuel tanks and storage areas provided with locks and sited on sealed areas, within bunds of a capacity equal to 110% of the storage capacity of the largest tank?       Image: Comparison of the storage capacity of the largest tank?         16       Intercepting bund or barrier along the roadside constructed to prevent pollution risk arising from work area (waste reception area)?       Image: Comparison of the storage capacity of the area (waste reception area)?         D16       Are site drainage systems provided over the entire project site with sediment control facilities?       Image: Comparison of the storage capacity of the amount of sediment-laden wastewater generated from wheel washing, site runoff and construction works?       Image: Comparison of the storage capacity of the amount of sediment plume observed in nearby         D18       Is there any sediment plume observed in nearby watercourses?       Image: Comparison of the storage capacity of the mathemance?       Image: Comparison of the storage capacity of the and portable chemical tollets and sewage holding maintenance?       Image: Comparison of the storage capacity of the maintenance?         D19       In the service workshop and maintenance facilities)       Image: Comparison of the storage any sewage or wastewater into the nearby environment?       Image: Comparison of the storage and sumps and oil interceptors?       Image: Comparison of the storage and sumps and oil interceptors?       Image: Comparison of the storage and sumps and oil interceptors?       Image: Comparison of the storage and sumps and oil interceptors?       Image: Comparison of the storage and sumps and oil interceptors?       Imaintenance of equipment involving activities wi	D13	rubbish on site collected, handled and disposed of				
D14       locks and sited on sealed areas, within bunds of a capacity equal to 110% of the storage capacity of the largest tank?       Images tank?         D15       Is Intercepting bund or barrier along the roadside or area (waste reception area)?       Images tank?       Images tank?         D16       Are site drainage systems provided over the entire or project site with sediment control facilities?       Images tank?       Images tank?         D17       Are site drainage systems provided to treat the large area (waste reception area)?       Images tank?       Images tank?         D17       Are site drainage systems provided to treat the large area (waster courses?       Images tank?       Images tank?         D17       Are sate drainage systems provided to treat the large area (waster courses?       Images tank?       Images tank?         D18       Is there any sediment plume observed in nearby watercourses?       Images tank?       Images tank?         D19a       Are seque contractor and responsible for disposal and maintenance?       Images tank?       Images tank?         D19b       Is the sevace contractor and responsible for disposal and maintenance?       Images tank?       Images tank?         D212       Are the service workshop and maintenance facilities       Images tank?       Images tank?       Images tank?         D213       Are the service workshop and maintenance facilities (service workshop and maintenance facilities (soated within a						
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## Report No. 0051-20230522

(Construction Phase)

D23b	Is the regular <u>cleaning</u> carried out to prevent blockage of the passage of waste flow in silt fence?	$\boxtimes$	

E	Waste / Chemical Management	N/A or Not Observed	Yes	No	Remarks / Photo			
Waste	Waste Management							
Gener	al Waste							
E1	Is the general waste generated on-site stored in <u>enclosed bins</u> or compaction units separately from the construction and chemical wastes?		$\boxtimes$					
E2a	Is the general waste collected properly by using the <b>waste separation facilities</b> for paper, aluminium cans, plastic bottles etc.?		$\boxtimes$					
E2b	Does accumulation of waste avoid?		$\boxtimes$					
E2c	Is <u>waste disposed</u> regularly?		$\boxtimes$					
E2d	Regular <u>waste collection</u> by approved waste collector in purpose-built vehicles?		$\boxtimes$					
E3	Burning of refuse on construction site prohibited?		$\boxtimes$					
C&D	Materials							
E4a	Are there any <u>contract documents</u> provided to allow and promote the <u>use of recycled aggregates</u> where appropriate?		$\boxtimes$					
E4b	Are the <b><u>C&amp;D materials</u></b> sorted and recycled on-site?		$\square$					
E5a	Is the <u>durable formwork</u> or <u>plastic facing</u> for construction works used?		$\boxtimes$					
E5b	Do the <b>wooden hoardings</b> avoid to be used?		$\boxtimes$					
E5c	Is <b>metal hoarding</b> used to enhance the possibility of recycling?		$\boxtimes$					
E6a	Are the concrete and masonry used as general fill?		$\boxtimes$					
E6b	Are the <b><u>steel reinforcement bars</u></b> used by scrap steel mills?		$\boxtimes$					
E6c	Is the <b>segregation</b> and <b>storage</b> of C&D wastes undertaken in designated area?		$\boxtimes$					
E6d	Does the <b>use of reusable steel formwork</b> maximise?		$\boxtimes$					
E7a	Are the <b>temporary stockpiles</b> maintained regularly?	$\boxtimes$			N/A			
E7b	Is the <b>excavated fill material</b> reused for backfilling and reinstatement?		$\boxtimes$					
E8a	Are the <b>excavated slope</b> , <b>stockpile material</b> and <b>bund walls</b> covered by tarpaulin?		$\boxtimes$					
E8b	Are covering trucks or transporting wastes in enclosed containers when <u>transportation of waste</u> ?		$\boxtimes$					
E8c	Are <b>waste storage area</b> properly cleaned and do not cause windblown litter and dust nuisance?		$\square$					
E9	Is <u>hydroseeding</u> of the topsoil on the <u>stockpile</u> implemented to improve visual appearance and prevent soil erosion?		$\boxtimes$					

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E10	Is the <u>nomination</u> of <u>approved personnel</u> to be responsible for good site practices and making arrangements for collection of all wastes generated on-site and effective disposal implemented?		$\boxtimes$		
E11	Are the <u>training</u> of <u>site personnel</u> for cleanliness, proper waste management procedures including chemical waste handling, and waste reduction, reuse and recycling concept implemented?		$\boxtimes$		
E12	Are the <b>regular cleaning</b> and <b>maintenance</b> <b>programme</b> for drainage systems, sumps, oil interceptors?		$\boxtimes$		
E13a	Are <b>wood</b> , <b>steel</b> and <b>other metals</b> separated for re- use and/or recycling?		$\square$		
E13b	Do the <b>excavated materials</b> appear contaminated?				
E13c	If suspected contaminated, appropriate <b>procedures</b> followed?	$\boxtimes$			N/A
E14	Is the <b>disposal</b> of <b>C&amp;D materials</b> avoided onto any sensitive locations e.g. agricultural lands etc.?		$\boxtimes$		
E15	Are the <b>public fill</b> and <b>C&amp;D waste segregated</b> and <b>stored</b> in different containers or skips to enhance reuse or recycling of materials and their proper disposal?		$\boxtimes$		
Chemi	ical Waste / Waste Oil				
E16	Are <u>chemicals</u> and <u>waste oil</u> recycled or disposed properly?				
<u>Chemi</u>	Chemical Packaging				
E17a	Have the <u>containers</u> a capacity of <u>&lt;450 L</u> unless the specification has been approved by EPD?	$\boxtimes$			
E17b	Are the <u>containers</u> (holding, resistant to corrosion, maintained in a good condition, and securely closed) used for <u>storage of chemical wastes</u> ?	$\boxtimes$			
<u>Chemi</u>	ical Labelling		I	I	
E18	Is chemical waste or waste oil <u>stored</u> and <u>labelled</u> in <u>English and Chinese</u> properly in designated area? Capacity of Dimensions of Label Container < 50L No less than 90 x 100mm 50 to 450L No less than 120 x 150mm > 450L No less than 180 x 200mm				
Chemical Waste / Fuel Storage Area					
E19a	Are the <b>storage area</b> are clearly labelled and separated (if needed)?	$\boxtimes$			N/O
E19b	Are the <u>storage area</u> enclosed <u>3 sides by walls</u> / <u>fence of ≥2m tall</u> and bounded with adequate bund capacity (>110% of largest container) or do the storage area allow <u>storage of 20% of total volume</u> <u>of waste</u> ?				N/O
E19c	Do the <u>storage areas</u> have adequate <u>ventilation</u> and be covered to prevent rainfall entering and reduce heat from sunlight?	$\boxtimes$			N/O

E19d	Are the <u>fuel tanks</u> and <u>chemical storage areas</u> provided with locks and sited on sealed areas?	$\boxtimes$		N/O
E20	Is chemical waste collected by <u>licensed waste</u> <u>collectors</u> and disposed of at <u>licensed facility</u> eg. Chemical Waste Treatment Centre?		$\boxtimes$	
<u>Reco</u>	r <u>ds</u>			
E21	Is a licensed waste hauler used for <u>waste</u> <u>collection</u> ?		$\boxtimes$	
E22	Are the <u>records of quantities of wastes</u> generated, recycled and disposed properly kept?		$\boxtimes$	
E23	For the demolition material / waste, is the <b><u>number of</u></b> <b><u>loads</u></b> for each day recorded as appropriate?		$\boxtimes$	

F	Landfill Gas (LFG)	N/A or Not Observed	Yes	No	Remarks / Photo		
Withir	Within NENT Landfill Extension						
F1	Are <b>special LFG precautions</b> taken to avoid potential hazards of LFG exposure (ignition, explosion, asphyxiation, toxicity)?	$\boxtimes$			N/O		
F2	Are <b>prominent safety warning signs</b> erected on- site to alert all personnel and visitors of LFG hazards during excavation works.?	$\boxtimes$			N/O		
F3	Is <b>no smoking</b> or <b>burning</b> permitted on-site?	$\boxtimes$			N/O		
F4	Are prominent <u>'No smoking'</u> and <u>'No Naked</u> <u>Flames' signs</u> erected on-site?	$\boxtimes$			N/O		
F5	Is no worker allowed to <b>work alone</b> at any time in excavated trenches or confined areas on-site?		$\boxtimes$				
F6	Is adequate fire fighting equipment provided on- site?		$\boxtimes$				
F7	Are <u>construction equipment</u> equipped with vertical exhaust at least 0.6m above ground installed with spark arrestors?		$\boxtimes$				
F8	Are <u>electrical motors</u> and <u>extension cords</u> explosion-proof and intrinsically safe for use on- site?	$\boxtimes$			N/O		
F9	Is 'Permit to Work' system implemented?		$\boxtimes$				
F10	Are <b>welding</b> , <b>flame-cutting</b> or <b>other hot works</b> conducted only under 'Permit to Work' system following clear safety requirements, gas monitoring procedures and presence of qualified persons to supervise the works?		$\boxtimes$				
F11a	For <b>piping assembly or conduit construction</b> , are all valves and seals closed immediately after installation?	$\boxtimes$			N/A		
F11b	Are the <b>pipe ends</b> sealed on one side during installation if installation of large diameter pipes (diameter > 600mm) is required?	$\boxtimes$			N/A		
F11c	Is <u>forced ventilation</u> implemented prior to operation of installed pipeline?	$\boxtimes$			N/A		
F11d	Is <u>forced ventilation</u> implemented for <u>works</u> inside trenches deeper than 1m?	$\boxtimes$			N/A		

F12	Is frequency and location of <u>LFG monitoring</u> within excavation area determined prior to commencement of works? *LFG monitoring in excavations should be conducted at < 10mm from exposed ground surface. For excavation works, Is <u>LFG monitoring</u> 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?		
F14	Are <u>LFG monitoring</u> conducted periodically when any cracks on ground level encountered on-site? *Appropriate action should be taken in accordance with the action plan in Table 7.6 of EIA Report.	$\boxtimes$	
F15a	Are <u>LFG precautionary measures</u> involved in <u>excavation</u> and <u>piping works</u> provided in accordance with LFG Guidance Note and included in Safety Plan of construction phase?	$\boxtimes$	
F15b	Are <b>temporary offices</b> or <b>buildings</b> located where free LFG has been proven or raised clear of ground at a separation distance of at least 500mm?	$\boxtimes$	
F16	Is a <u>Safety Officer trained</u> in the use of gas detection equipment and LFG- related hazards 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%		
F17a	Periodically during groundwork construction, Is the works area 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.		
F17b	Is routine monitoring carried out in all excavations, manholes, created by temporary storage of building materials on-site?	$\boxtimes$	
F17c	Are all measurements in excavations made with monitoring tube located < 10mm from exposed ground surface?	$\boxtimes$	
F18	<ul> <li>For excavations &gt; 1m, are measurements conducted?</li> <li>At ground surface before excavation commences;</li> </ul>	$\boxtimes$	

#### (Construction Phase)

	<ul> <li>Immediately before any worker enters the excavation;</li> <li>At the beginning of each working day for entire period the excavation remains open; and</li> <li>Periodically throughout the working day whilst workers are in excavation.</li> </ul>		
F19	For excavations 300mm to 1m, are measurements conducted?	$\boxtimes$	
	Directly after excavation has been completed;     and     Derived in all whilet excavation remains even		
	Periodic all whilst excavation remains open.		
F20	For excavations < 300mm, are monitoring omitted at the discretion of Safety Officer or appropriately qualified person?	$\boxtimes$	

G	Landscape and Visual Impacts	N/A or Not Observed	Yes	No	Remarks / Photo
G1	Is the work site <b>confined within</b> site boundaries?		$\boxtimes$		
G2	Is <b>damage</b> to surrounding areas <b>avoided</b> ?		$\square$		
G3	Are the protective fencing erected along or beyond the perimeter of the <u>tree protection zone</u> of each individual tree?		$\boxtimes$		
Advar	nced screening tree planting				
G4a	Is early planting using fast growing plants and tall shrubs at <u>strategic locations</u> within site implemented?				
G4b	Are the roadside planter and shrub planting implemented in front of <b>Cheung Sha Temple</b> ?		$\boxtimes$		
Bound	dary Green Belt planting				
G5	Are the <u>fast growing</u> and <u>fire-resistant plant</u> <u>species</u> planted around the site perimeter?		$\boxtimes$		
Temp	orary landscape treatment as green surface cover				
G6	Are grass hydroseeding or synthetic covering material of green colour used as a <b>temporary slope <u>cover</u></b> ?				
Existi	ng tree preservation				
G7	Are <b><u>existing</u></b> and <b><u>affected tree</u></b> which identified as ecological significant preserved whenever possible?		$\boxtimes$		

н	Ecology	N/A or Not Observed	Yes	No	Remarks / Photo
H1	Is transplantation of the important plant species implemented? Is post-transplantation maintained and monitored regularly?		$\boxtimes$		

I	Environmental Complaint	N/A or Not Observed	Yes	No	Remarks / Photo
11	Environmental Complaint received during this week?			$\boxtimes$	

## Report No. 0051-20230522

### (Construction Phase)

J	General Housekeeping / Others	N/A or Not Observed	Yes	No	Remarks / Photo
J1	Are the defined boundaries of working areas identified to prevent loss of vegetation		$\boxtimes$		
J2	Are the portable toilets maintained in a state, which will not deter the workers from utilizing these portable toilets?		$\boxtimes$		

### Follow up action for previous Site Inspection:

- 1. The slope protection is conducting in progress by contractor to minimize the high suspended solid surface runoff to treat by silt removal facilities & avoid it directly discharged to channel.
- 2. The cleaning work for accumulated sand and silt in the wheel washing bay at SBA was conducted by contractor.
- 3. The accumulated water in drip tray at Portion D was removed by contractor.

### Observation(s):

- 1. The unrooting trees at Portion A was not covered by impervious sheeting and or placed in an area sheltered on the top and the 3 sides within a day of demolition.
- 2. The sand and soil near the channel at Portion E3-1 were found.

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

- 1. The contractor has been recommended that all demolished items (including trees) should be covered entirely by impervious sheeting or placed in an area sheltered on the top and the 3 sides within a day of demolition
- 2. The contractor has been recommended to avoid the untreated surface runoff contaminated with related materials discharged to channel directly. All construction runoffs should be collected to silt removal facilities for treatment.

Report No. 0051-20230522

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(Construction Phase)

	Environmental Team's Representative:	Independent Environmental Checker's Representative:	Contractor's Representative:	Employee's Representative
Signature:		1	inl	40
Name:	Jason Man	1	Kristy Wong	Sylvia Ho
Date:	22 May 2023	1	22 May 2023	22 May 2023

#### PART I Follow-up status of the previous site inspection

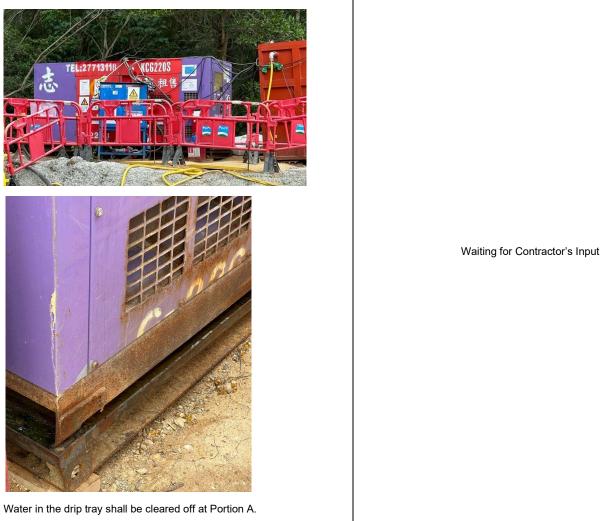


The exposed slope surface near the stream has been covered with impervious sheets as a temporary mitigation measure. Shotcrete will be applied to the exposed surface by the end of April to prevent surface runoff into channel in long term.



The slope protection is conducting in progress by contractor to minimize the high suspended solid surface runoff to treat by silt removal facilities & avoid it directly discharged to channel.

#### 2 May 2023





Observation and Recommendation	Follow-up status
8 May 2023	Waiting for Contractor's Input
<text><image/><image/></text>	Waiting for Contractor's Input

Observation and Recommendation	Follow-up status
<image/> <section-header><section-header></section-header></section-header>	Waiting for Contractor's Input
<section-header><section-header><section-header><section-header><text></text></section-header></section-header></section-header></section-header>	Waiting for Contractor's Input

#### Environmental Site Inspection Checklist (Rev. 3)

#### Observation and Recommendation







The accumulated water in drip tray at Portion D was removed by contractor.

Waiting for Contractor's Input

#### Observation:

Accumulate water in drip tray was observed at Portion D. The contractor was recommended to keep cleaning the accumulated water in drip tray to minimize the large amount of potential chemical waste when the chemical leakage was found.

#### PART II Observation and recommendation identified during the environmental site inspection

Observation and Recommendation	Follow-up status
Observation:	
1. The unrooting trees at Portion A was not covered by impervious sheeting and or placed in an area sheltered on the top and the 3 sides within a day of demolition.	
Observation:	
<ol> <li>The sand and soil near the channel at Portion E3-1 were found. The contractor was recommended to avoid the untreated surface runoff contaminated with related materials discharged to channel directly. All construction runoffs should be collected to silt removal facilities for treatment.</li> </ol>	

#### PART III Temporary surface water drainage system photo record during the environmental site inspection



Photo 7 Portion B2 Silt removal facilities

Photo 8 Portion B2 Sediment Basin



Inspection Date:	29 May 2023	Inspected By:	Andy Ng
Time:	14:00	Weather Condition:	Sunny
Participants:	Sylvia Ho (ER), Kristy Wong (Conti	ractor) & Andy Ng (ET)	

Α	Permits/Licenses	N/A or Not Observed	Yes	No	Remarks / Photo
A1	Are Environmental Permit, license/ other permit displayed at major site exit and vehicle access?		$\boxtimes$		
A2	Are Construction Noise Permits/ Environmental license/ other permit available for inspection/posted at site entrance.		$\boxtimes$		
A3	Is wastewater discharge licence available for inspection?		$\boxtimes$		
A4	Are trip tickets for chemical waste and construction waste disposal available for inspection?		$\boxtimes$		
A5	Are relevant licence/permit for disposal of construction waste or excavated materials available for inspection?		$\boxtimes$		

в	Air Quality	N/A or Not Observed	Yes	No	Remarks / Photo		
B1	Is open burning avoided?		$\square$				
B2	Are <b><u>plant and equipment</u></b> well maintained (i.e. without black smoke from powered plant)?		$\boxtimes$				
B3	Any remedial action undertaken?	$\boxtimes$			N/A		
B4	Are the <b>worksites</b> wetted with water regularly?		$\boxtimes$				
B5	Are <b>NRMM labels</b> properly affixed on the PMEs?		$\boxtimes$				
B6	Observed dust source(s)	1	•				
	☐ Wind erosion						
		Vehicle/ E	Equipment	Moveme	nts		
		Loading/	unloading	of materi	als		
		Others: _	Not Of	oserved			
Air P	ollution Control (Construction Dust) Regulation						
<u>Part I</u>	Control Requirements for Notifiable Works						
Demo	plition of building						
B7	Is the area involved demolition activities <b>sprayed</b> <b>with water</b> or a dust suppression chemical immediately prior to, during and immediately after the activities?	$\boxtimes$			N/A		
Cons	truction of the superstructure of a building						
B8	Is <b><u>scaffolding</u></b> erected around the perimeter of a building under construction?	$\boxtimes$			N/A		

B9	Are effective <u>dust screens</u> , <u>sheeting</u> or <u>netting</u> provided to enclose the scaffolding from the ground floor level of the building, or a canopy provided from the first floor level up to the highest level of the scaffolding?	$\boxtimes$			N/A
B10	Is the <u>skip</u> for materials transport enclosed by impervious sheeting?	$\boxtimes$			N/A
Part I	II General Control Requirements				
Site b	oundary and entrance				
			[	[	
B11	Are <u>wheel washing facilities</u> with <u>high pressure</u> <u>water jet</u> provided at all site exits if practicable?		$\boxtimes$		
B12	Are the areas of washing facilities and the road				
	section between the washing facilities and the exit point paved with concrete, bituminous materials or hardcores?		$\boxtimes$		
B13	Are the <u>hoarding</u> $\geq$ 2.4m tall provided at the site boundary near a road, street, service lane or other area accessible to the public?		$\boxtimes$		
Asse	ss road				
B14	Are every <u>main haul road</u> (having a vehicle passing rate of higher than 4 in any 30 minutes) paved with concrete, bituminous materials, hardcorres or metal plates, and kept clear of dusty		$\boxtimes$		
B15	materials? Are every <u>main haul road</u> sprayed with water or a				
	dust suppression chemical?				
B16	Is the portion of any road leading only to construction site (within <u>30m of a vehicle entrance or exit</u> ) kept clear of dusty materials?			$\boxtimes$	Refer to Observation 1
B17	Are appropriate <b>speed limit sign</b> displayed?		$\boxtimes$		
B18	Is <b>unpaved main haul road</b> wet by water spraying?		$\boxtimes$		
Ceme	ent and dry pulverized fuel ash (PFA)	L	<u> </u>	<u> </u>	
B19	Is every stock of <u>more than 20 bags of cement</u> or dry pulverized fuel ash ( <u>PFA</u> ) covered entirely by impervious sheeting or placed in an area sheltered on the top and 3 sides?	$\boxtimes$			N/O
B20	Are the <b>activities of loading</b> , <b>unloading</b> , <b>transfer</b> , <b>handing or storage of bulk cement or dry PFA</b> <b>carried</b> out in a totally enclosed system or facility?	$\boxtimes$			N/A
B21	Is any vent or exhaust fitted with an <u>effective fabric</u> filter or equipment air pollution control system?	$\boxtimes$			N/A
Expo	sed earth		1		
B22	Is the exposed earth properly treated by				
	compaction, turfing, hydroseeding, vegetation				
	planting or sealing with latex, vinyl, bitumen,				
	shotcrete or other suitable surface stabilizer within 6 months after last construction activity on the construction site or part of the construction site where the exposed earth lies?		$\boxtimes$		
					1

Part I	Part IV Control Requirements for Individual Activities					
Stock	piling of dusty materials					
B23	<ul> <li>Are the stockpiling of dusty materials</li> <li>(a) covered entirely by <u>impervious sheeting</u> or</li> <li>(b) placed in an <u>area sheltered on the top and the</u> <u>3 sides</u> or</li> <li>(c) <u>sprayed with water</u> or a dust suppression chemical to maintain the entire surface wet</li> <li>and then removed or backfilled or reinstated where</li> </ul>		×			
B24	practicable within 24 hours of the <u>excavation or</u> <u>unloading</u> ? Is the stockpile of dusty materials avoid to be extend beyond the <u>pedestrian barriers, fencing or</u>					
Load	traffic cones? ing, unloading or transfer of dusty materials					
B25	Are all dusty materials <u>sprayed with water</u> or a					
	dust suppression chemical immediately <u>prior to</u> <u>any loading, unloading or transfer operation</u> so as to maintain the dusty materials wet?					
B26	Are <u>all trucks loaded</u> to a level within the side and tail boards?		$\boxtimes$			
<u>Use c</u>	of vehicles					
B27	Are <b><u>every vehicle washed Immediately</u></b> to remove any dusty materials from its body and wheels before leaving a construction site?					
B28	Are <b>loaded dump trucks</b> covered by impervious sheeting appropriately before leaving the site?		$\boxtimes$			
B29	Are site <u>vehicle movements</u> confined to designated roads?					
<u>Pneu</u>	matic or power-driven drilling, cutting and polishing	3				
B30	Are <u>surfaces</u> where any <u>pneumatic or power-</u> <u>driven drilling, cutting, polishing or other</u> <u>mechanical breaking operations</u> takes place sprayed with water or a dust suppression chemical continuously? *Unless the process is accompanied by the operation of an effective dust extraction and filtering device.				N/A	
<u>Debri</u>	s handling					
B31	Are any debris covered entirely by <u>impervious</u> <u>sheeting</u> or stored in a <u>debris collection area</u> sheltered on the top and the 3 sides?				N/A	
B32	Are every <u>debris chute</u> shall be enclosed by impervious sheeting or similar materials?	$\boxtimes$			N/A	
B33	Are the watering spray or a dust suppression chemical conducted before <u>debris is dumped</u> into a debris chute?	$\boxtimes$			N/A	

Exca	vation or earth moving			
B34	Are the working area of any excavation or earth moving operation <u>sprayed with water</u> or a dust suppression chemical immediately before, during and immediately after the operation?	$\boxtimes$		
<u>Site c</u>	clearance			
B35	Are the working area for the <u>uprooting of trees</u> , <u>shrubs</u> , or <u>vegetation</u> or for the <u>removal of</u> <u>boulders</u> , <u>poles</u> , <u>pillars</u> or <u>temporary</u> or <u>permanent structures</u> sprayed with water or a dust suppression chemical immediately before, during and immediately after the operation?	$\boxtimes$		
B36	Are <u>all demolished items</u> (including <u>trees</u> , <u>shrubs</u> , <u>vegetation</u> , <u>boulders</u> , <u>poles</u> , <u>pillars</u> , <u>structures</u> , <u>debris</u> , <u>rubbish</u> and <u>other items arising from site</u> <u>clearance</u> ) that may dislodge dust particles covered entirely by impervious sheeting or placed in an area sheltered on the top and the 3 sides within a day of demolition?		$\boxtimes$	Refer to Observation 3

с	Construction Noise	N/A or Not Observed	Yes	No	Remarks / Photo
C1	Is <b>well-maintained plant</b> operated on-site and plant served regularly?				
C2	Are <u>vehicles</u> and <u>equipment</u> switched off or throttled down while not in use?				
C3	Is the noise directed away from nearby <u>NSRs</u> ?		$\boxtimes$		
C4	Are the <u>silencers</u> or <u>mufflers</u> properly fitted on construction equipment and maintained regularly?	$\boxtimes$			N/O
C5	Are <b>mobile</b> and/or <b>noisy plant</b> sited as far away from NSRs as possible and practicable and orientated so that the noise is directed away from nearby NSRs?		$\boxtimes$		
C6	Are <u>material stockpiles</u> , <u>mobile container officer</u> and <u>other structures</u> utilised to screen noisy activates?		$\boxtimes$		
C7	Is <b>temporary hoarding</b> installed located on the site boundaries between noisy construction activities and NSRs?	$\boxtimes$			N/O
C8	Are <u>noise barriers</u> (typically density @14kg/m ² ) <u>acoustic mat</u> or <u>full enclosure</u> close to noise plants including air compressor, generators and saw etc. provided to protect NSRs?	$\boxtimes$			N/O
C9	Is the sequencing <b>operation</b> of <b>construction plants</b> where practicable?		$\boxtimes$		
C10	Is the hoarding maintained properly?	$\boxtimes$			N/O
C11	<u>Air compressors</u> (500 kPa or above) and <u>hand</u> <u>held percussive breaker</u> (mass of above 10 kg) with valid noise labels?		$\boxtimes$		
C12	Are <u>compressor</u> operated with doors closed?		$\square$		
C13	<b><u>QPME</u></b> used with valid noise labels?		$\boxtimes$		
C14	Major noise source(s)		1	1	-
		Traffic			
	Construction activities inside of site				
			tion activiti	es outsid	e of site
		Others:			

# Report No. 0052-20230529

(Construction Phase)

D	Water Quality	N/A or Not Observed	Yes	No	Remarks / Photo
Const	ruction Runoff				
D1a	At the start of site establishment, are perimeter <u>cut-</u> <u>off drains</u> constructed to direct off-site water around the site with internal drainage works and erosion and sedimentation control facilities implemented?		$\boxtimes$		
D1b	Are <u>channels</u> , <u>earth bunds</u> or <u>sandbag barriers</u> provided on site to properly direct stormwater to silt removal facilities?		$\boxtimes$		
D2a	Have <u>dikes</u> or <u>embankments</u> for <u>flood protection</u> implemented around the boundaries of earthwork areas?		$\boxtimes$		
D2b	Have <u>temporary ditches</u> provided to facilitate the runoff discharge into an appropriate watercourse, through a site/ sediment trap?		$\boxtimes$		
D2c	Are the <b><u>sediment/ silt traps</u></b> incorporated in the permanent drainage channels to enhance deposition rate?		$\boxtimes$		
D3	Are the <b>retention time for silt/s and traps</b> of the silt removal facilities be <u>5 minutes</u> under maximum flow conditions?		$\boxtimes$		
D4a	Are <b><u>surface excavation works</u></b> minimised during rainy seasons (April to September), as possible?		$\boxtimes$		
D4b	Are <u>all exposed earth areas</u> completed or vegetated as soon as possible after earthworks completed, or alternatively, <u>within 14 days</u> of the <u>cessation</u> of <u>earthworks</u> where practicable?		$\boxtimes$		
D4c	Are <u>exposed slope surfaces</u> covered by tarpaulin sheets?				To be treated with shotcrete at part of slope surface. Refer to Observation 2
D5a	Have the <b>overall slope</b> of the site should be kept a minimum?		$\boxtimes$		
D5b	Are <u>all trafficked areas</u> and <u>access roads</u> protected by coarse stone ballast?		$\boxtimes$		
D6a	Are <u>all drainage facilities</u> and <u>erosion</u> and <u>sediment control structures</u> inspected regularly?		$\boxtimes$		
D6b	Are <u>all drainage facilities</u> and <u>erosion</u> and <u>sediment control structures</u> maintained to ensure proper and efficient operation at all times and particularly following rainstorms?		$\boxtimes$		
D6c	Is the <b><u>deposited silt</u></b> and <b><u>grit</u> removed regularly and disposed of by spreading evenly over stable?</b>		$\boxtimes$		
D7a	Have the <b>excavation</b> of <b>trenches</b> in wet periods be dug and backfilled in short sections?		$\boxtimes$		
D7b	Is rainwater pumped out from trenches discharged into storm drains via silt system?		$\boxtimes$		
D8	Are <u>open stockpiles</u> of <u>construction materials</u> e.g. aggregates and sand of more than 50m ³ on site covered with tarpaulin or similar fabric during rainstorms?	$\boxtimes$			N/O

		1	1	1	
	Are manholes adequately covered and temporarily				
D9a	sealed so as to prevent silt, construction materials or				
	debris from getting into the drainage?				
D9b	Are the discharges of surface run-off into foul		$\square$		
	sewer always prevented?				
D10a	Are particular attention paid to the control of silty		$\square$		
	surface runoff during storm event?				
	Are the precautions to be taken at <u>any time</u> of year when rainstorms are likely? (Appendix A2 of ProPECC PN 1/94) i. <u>Silt removal facilitie</u> s, <u>channels</u> and <u>manholes</u>				
	should be maintained and the <u>deposited silt</u> and <u>grit</u> should be removed regularly.				
	ii. <u>Temporarily exposed slope surfaces</u> should be cover by tarpaulin.				
D10b	iii. <u>Temporary access roads</u> 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. <u>Trenches</u> should be dug and backfilled in short				
	sections. Measures should be taken to minimize				
	the ingress of rainwater into trenches.				
	Are the actions to be taken when a <u>rainstorm</u> is				
	imminent or forecast? (Appendix A2 of ProPECC				
	PN 1/94)				
	i. <u>Silt removal facilities, channels</u> and				
D10c	manholes should be checked to ensure that they		$\square$		
Dioc	can function properly.				
	ii. <u>Open stockpiles</u> of <u>construction materials</u> (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.				
	Are the actions to be taken <u>during</u> or <u>after</u> <u>rainstorms</u> ? (Appendix A2 of ProPECC PN 1/94)				
D10d	i. Silt removal facilities, channels and manholes		$\square$		
	should be checked and maintained to ensure				
	satisfactory working conditions. Attention should be given to safety when carrying out this work.				
	Are all vehicles and plant cleaned before leaving a				
D11a	construction site?		$\square$		
D11b	Is the <b>wheel washing bay</b> provided at every site exit?				
D11c	Are the <b>vehicle wash-water</b> have sand and silt		$\boxtimes$		
	settled out and removed at least on a weekly basis?				
D11d	Is the <b>wheel wash</b> overflow directed to silt removal facilities before being discharged to the storm drain?				
D11e	Is the section of <u>construction road between the</u> wheel washing bay and the public road paved with		$\square$		
	backfill?				
D11f	Is the treated wastewater reused for vehicle		$\boxtimes$		
	washing, dust suppression and general cleaning?				
D12a	Are <b><u>oil interceptors</u></b> provided in the site drainage	$\boxtimes$			N/A
5120	system downstream of any oil/ fuel pollution sources?				111/73

D12b	Are the <u>oil interceptors</u> are emptied and cleaned regularly to prevent the release of O&G into the storm	$\boxtimes$			N/A
D12c	water drainage system after accidental spillage? Has a <b>bypass</b> provided to prevent flushing during				
DIZC	heavy rain?				
	Are the <u>construction solid waste</u> , <u>debris</u> and				
D13	<b>rubbish</b> on site collected, handled and disposed of				
	properly? (same with waste item) Are <u>all fuel tanks</u> and <u>storage areas</u> provided with				
D14	locks and sited on sealed areas, within bunds of a capacity equal to 110% of the storage capacity of the largest tank?		$\boxtimes$		
	Is Intercepting bund or barrier along the roadside				
D15	constructed to prevent pollution risk arising from work		$\square$		
	area (waste reception area)?				
D16	Are <u>site drainage systems</u> provided over the entire		$\square$		
	project site with sediment control facilities?				
	Are <u>sedimentation tanks</u> provided to treat the large amount of sediment-laden wastewater generated				
D17	from wheel washing, site runoff and construction				
	works?				
D10	Is there any sediment plume observed in nearby				
D18	watercourses?			$\square$	
<u>Sewag</u>	e Effluent from Workforce (On-site sanitary facilities	<u>s)</u>			
-	Are portable chemical toilets and sewage holding				
D19a	tanks provided?				
	Is the sewage generated from toilets collected by				
D19b	licensed contractor and responsible for disposal and				
	maintenance?				
	Are the <b><u>notices</u></b> posted at conspicuous locations to				
D20	remind the workers not to discharge any sewage or	$\square$			N/O
	wastewater into the nearby environment?				
	ental Spillage of Chemical (Service workshop and m	aintenance fac	<u>cilities)</u>		
D21a	Are the <u>service workshop</u> and <u>maintenance</u>				N/0
	<b><u>facilities</u></b> located within a bunded area, and sumps and oil interceptors?	$\square$			N/O
D21b	Are all maintenance of equipment involving				
0210	activities with potential for leakage and spillage	$\boxtimes$			N/O
	undertaken within the areas?				
D21c	ls chemical leakage or spillages contained and				N//O
	cleaned up immediately?	$\square$			N/O
Surfac	ce Water Drainage System				
D22a	Is the temporary surface water drainage system		$\boxtimes$		
	provided to manage runoff?				
D22b	Does the system consist of <b><u>channel</u></b> as constructed		$\square$		
	around the perimeter of the site area? Does the system collect surface water from the <u>areas</u>				
D22c	of higher elevations to those of lower elevations		$\boxtimes$		
0220	and ultimately to the discharge point?				
D224	Is the erosion minimised?				
D22d					
Data	Does the system include the <u>use of a silt fence</u>				
D23a	around the <b>soil stockpile areas</b> to prevent sediment		$\boxtimes$		
	from entering the system?				

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(Construction Phase)

D23b	Is the regular <u>cleaning</u> carried out to prevent blockage of the passage of waste flow in silt fence?	$\boxtimes$	

E	Waste / Chemical Management	N/A or Not Observed	Yes	No	Remarks / Photo			
Waste	Waste Management							
Gener	al Waste							
E1	Is the general waste generated on-site stored in <u>enclosed bins</u> or compaction units separately from the construction and chemical wastes?		$\boxtimes$					
E2a	Is the general waste collected properly by using the <u>waste separation facilities</u> for paper, aluminium cans, plastic bottles etc.?		$\boxtimes$					
E2b	Does accumulation of waste avoid?		$\boxtimes$					
E2c	Is <u>waste disposed</u> regularly?		$\boxtimes$					
E2d	Regular <b>waste collection</b> by approved waste collector in purpose-built vehicles?		$\boxtimes$					
E3	Burning of refuse on construction site prohibited?		$\boxtimes$					
C&D	Materials							
E4a	Are there any <u>contract documents</u> provided to allow and promote the <u>use of recycled aggregates</u> where appropriate?		$\boxtimes$					
E4b	Are the <b><u>C&amp;D materials</u></b> sorted and recycled on-site?		$\boxtimes$					
E5a	Is the <b><u>durable formwork</u></b> or <b><u>plastic facing</u></b> for construction works used?		$\boxtimes$					
E5b	Do the <b>wooden hoardings</b> avoid to be used?		$\boxtimes$					
E5c	Is <b>metal hoarding</b> used to enhance the possibility of recycling?		$\boxtimes$					
E6a	Are the concrete and masonry used as general fill?		$\square$					
E6b	Are the <b><u>steel reinforcement bars</u></b> used by scrap steel mills?		$\boxtimes$					
E6c	Is the <u>segregation</u> and <u>storage</u> of C&D wastes undertaken in designated area?		$\boxtimes$					
E6d	Does the <b>use of reusable steel formwork</b> maximise?		$\boxtimes$					
E7a	Are the <b>temporary stockpiles</b> maintained regularly?	$\boxtimes$			N/A			
E7b	Is the <b>excavated fill material</b> reused for backfilling and reinstatement?		$\boxtimes$					
E8a	Are the <b>excavated slope</b> , <b>stockpile material</b> and <b>bund walls</b> covered by tarpaulin?		$\square$					
E8b	Are covering trucks or transporting wastes in enclosed containers when <u>transportation of waste</u> ?		$\boxtimes$		<u> </u>			
E8c	Are <u>waste storage area</u> properly cleaned and do not cause windblown litter and dust nuisance?		$\boxtimes$		<u> </u>			
E9	Is <u>hydroseeding</u> of the topsoil on the <u>stockpile</u> implemented to improve visual appearance and prevent soil erosion?		$\boxtimes$					

E10	responsible for g arrangements for	<b>n</b> of <b>approved personnel</b> to be good site practices and making collection of all wastes generated we disposal implemented?				
E11	Are the <u>training</u> of <u>site personnel</u> for cleanliness, proper waste management procedures including chemical waste handling, and waste reduction, reuse and recycling concept implemented?			$\boxtimes$		
E12		<mark>r cleaning</mark> and <u>maintenance</u> drainage systems, sumps, oil				
E13a	Are <u>wood</u> , <u>steel</u> a use and/or recyclii	nd other metals separated for re-		$\boxtimes$		
E13b		materials appear contaminated?				
E13c	If suspected conta followed?	iminated, appropriate <b>procedures</b>	$\boxtimes$			N/A
E14	Is the <u>disposal</u> of sensitive locations	<b><u>C&amp;D materials</u></b> avoided onto any e.g. agricultural lands etc.?		$\boxtimes$		
E15	Are the <b>public fill</b> <b>stored</b> in differen	and <u><b>C&amp;D</b> waste segregated</u> and t containers or skips to enhance g of materials and their proper				
Chemi	ical Waste / Waste	Oil				
E16	6 Are <u>chemicals</u> and <u>waste oil</u> recycled or disposed properly?			$\square$		
Chemi	ical Packaging					
E17a		ers a capacity of <u>&lt;450 L</u> unless the been approved by EPD?	$\boxtimes$			
E17b	maintained in a go	rs (holding, resistant to corrosion, od condition, and securely closed) of chemical wastes?	$\boxtimes$			
<u>Chemi</u>	cal Labelling			1	1	
E18		or waste oil <u>stored</u> and <u>labelled</u> in <u>ese</u> properly in designated area? Dimensions of Label No less than 90 x 100mm No less than 120 x 150mm No less than 180 x 200mm				
Chemical Waste / Fuel Storage Area						
E19a	Are the <b>storage</b> separated (if need	area are clearly labelled and ed)?	$\boxtimes$			N/O
E19b			$\boxtimes$			N/O
E19c	Do the storage a	areas have adequate <u>ventilation</u> to prevent rainfall entering and sunlight?	$\boxtimes$			N/O

E19d	Are the <u>fuel tanks</u> and <u>chemical storage areas</u> provided with locks and sited on sealed areas?	$\boxtimes$			N/O	
E20	Is chemical waste collected by <u>licensed waste</u> <u>collectors</u> and disposed of at <u>licensed facility</u> eg. Chemical Waste Treatment Centre?		$\boxtimes$			
<u>Reco</u>	Records					
E21	Is a licensed waste hauler used for <u>waste</u> <u>collection</u> ?		$\boxtimes$			
E22	Are the <u>records of quantities of wastes</u> generated, recycled and disposed properly kept?		$\boxtimes$			
E23	For the demolition material / waste, is the <b><u>number of</u></b> <b><u>loads</u></b> for each day recorded as appropriate?		$\boxtimes$			

F	Landfill Gas (LFG)	N/A or Not Observed	Yes	No	Remarks / Photo		
Withir	Within NENT Landfill Extension						
F1	Are <u>special LFG precautions</u> taken to avoid potential hazards of LFG exposure (ignition, explosion, asphyxiation, toxicity)?	$\boxtimes$			N/O		
F2	Are <b>prominent safety warning signs</b> erected on- site to alert all personnel and visitors of LFG hazards during excavation works.?	$\boxtimes$			N/O		
F3	Is <b>no smoking</b> or <b>burning</b> permitted on-site?	$\boxtimes$			N/O		
F4	Are prominent <u>'No smoking'</u> and <u>'No Naked</u> <u>Flames' signs</u> erected on-site?	$\boxtimes$			N/O		
F5	Is no worker allowed to <b>work alone</b> at any time in excavated trenches or confined areas on-site?		$\boxtimes$				
F6	Is adequate <b><u>fire fighting equipment</u></b> provided on- site?		$\boxtimes$				
F7	Are <u>construction equipment</u> equipped with vertical exhaust at least 0.6m above ground installed with spark arrestors?		$\boxtimes$				
F8	Are <u>electrical motors</u> and <u>extension cords</u> explosion-proof and intrinsically safe for use on- site?	$\boxtimes$			N/O		
F9	Is 'Permit to Work' system implemented?		$\boxtimes$				
F10	Are <b>welding</b> , <b>flame-cutting</b> or <b>other hot works</b> conducted only under 'Permit to Work' system following clear safety requirements, gas monitoring procedures and presence of qualified persons to supervise the works?		$\boxtimes$				
F11a	For <b>piping assembly or conduit construction</b> , are all valves and seals closed immediately after installation?	$\boxtimes$			N/A		
F11b	Are the <b>pipe ends</b> sealed on one side during installation if installation of large diameter pipes (diameter > 600mm) is required?	$\boxtimes$			N/A		
F11c	Is <u>forced ventilation</u> implemented prior to operation of installed pipeline?	$\boxtimes$			N/A		
F11d	Is <u>forced ventilation</u> implemented for <u>works</u> inside trenches deeper than 1m?	$\boxtimes$			N/A		

F12	Is frequency and location of LFG monitoring within		
	excavation area determined prior to		
	commencement of works?		
		$\boxtimes$	
	*LFG monitoring in excavations should be		
	conducted at < 10mm from exposed ground		
= 10	surface.		
F13	For excavation works, Is LFG monitoring	$\square$	
	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?		
F14	Are <b>LFG monitoring</b> conducted periodically when		
1 14	any cracks on ground level encountered on-site?	$\square$	
	any cracks on ground level encountered on-site?		
	*Appropriate action should be taken in accordance		
	with the action plan in Table 7.6 of EIA Report.		
F15a	Are LFG precautionary measures involved in	$\boxtimes$	
	excavation and piping works provided in		
	accordance with LFG Guidance Note and included		
	in Safety Plan of construction phase?		
F15b	Are temporary offices or buildings located where		
1.100	free LFG has been proven or raised clear of ground	$\square$	
	at a separation distance of at least 500mm?		
<b>F</b> 40	-	 	
F16	Is a <u>Safety Officer trained</u> in the use of gas	$\square$	
	detection equipment and LFG- related hazards		
	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:		
	•CH4: 0-100% and LEL: 0-100%/v		
	•CO ₂ : 0-100%		
	•O ₂ : 0-21%		
F17a	Periodically during groundwork construction, Is the	<u> </u>	
11/4	works area monitored for $CH_4$ $CO_2$ and $O_2$ using	$\boxtimes$	
	-		
	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.		
F17b	Is routine monitoring carried out in all excavations,		
	manholes, created by temporary storage of building	$\square$	
	materials on-site?		
F17c	Are all measurements in excavations made with		
		$\square$	
	monitoring tube located < 10mm from exposed		
<b></b>	ground surface?		
F18	For excavations > 1m, are measurements	$\boxtimes$	
	conducted?		
	At ground surface before excavation		
	commences;		

# (Construction Phase)

	<ul> <li>Immediately before any worker enters the excavation;</li> <li>At the beginning of each working day for entire period the excavation remains open; and</li> <li>Periodically throughout the working day whilst workers are in excavation.</li> </ul>		
F19	For excavations 300mm to 1m, are measurements conducted?	$\boxtimes$	
	<ul> <li>Directly after excavation has been completed; and</li> </ul>		
	Periodic all whilst excavation remains open.		
F20	For excavations < 300mm, are monitoring omitted at the discretion of Safety Officer or appropriately qualified person?	$\boxtimes$	

G	Landscape and Visual Impacts	N/A or Not Observed	Yes	No	Remarks / Photo
G1	Is the work site <b>confined within</b> site boundaries?				
G2	Is <b>damage</b> to surrounding areas <b>avoided</b> ?		$\boxtimes$		
G3	Are the protective fencing erected along or beyond the perimeter of the <u>tree protection zone</u> of each individual tree?		$\boxtimes$		
Advar	nced screening tree planting				
G4a	Is early planting using fast growing plants and tall shrubs at <u>strategic locations</u> within site implemented?				
G4b	Are the roadside planter and shrub planting implemented in front of <b>Cheung Sha Temple</b> ?		$\square$		
Bound	dary Green Belt planting				
G5	Are the <u>fast growing</u> and <u>fire-resistant plant</u> <u>species</u> planted around the site perimeter?		$\boxtimes$		
Temp	orary landscape treatment as green surface cover				
G6	Are grass hydroseeding or synthetic covering material of green colour used as a <b>temporary slope <u>cover</u></b> ?				
Existing tree preservation					
G7	Are <b><u>existing</u></b> and <u>affected tree</u> which identified as ecological significant preserved whenever possible?		$\boxtimes$		

н	Ecology	N/A or Not Observed	Yes	No	Remarks / Photo
H1	Is transplantation of the important plant species implemented? Is post-transplantation maintained and monitored regularly?		$\boxtimes$		

I	Environmental Complaint	N/A or Not Observed	Yes	No	Remarks / Photo
11	Environmental Complaint received during this week?			$\boxtimes$	

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J	General Housekeeping / Others	N/A or Not Observed	Yes	No	Remarks / Photo
J1	Are the defined boundaries of working areas identified to prevent loss of vegetation		$\boxtimes$		
J2	Are the portable toilets maintained in a state, which will not deter the workers from utilizing these portable toilets?		$\boxtimes$		

# Follow up action for previous Site Inspection:

- 1. The slope protection in Portion E3-1 is conducting in progress by contractor to minimize the high suspended solid surface runoff to treat by silt removal facilities & avoid it directly discharged to channel.
- 2. The silt removal facilities in Portion E3-1 were monitored and maintained in good condition by Contractor.
- 3. The accumulation of the uprooting of trees in SBA are continuously removed by the Contractor.
- 4. The accumulate water was diverted to the silt removal facilities at Portion D.
- 5. The accumulated water in drip tray at Portion D was removed by contractor.
- 6. The unrooting trees at Portion A was removed by contractor.
- 7. The sand and soil near the channel at Portion E3-1 was removed by contractor.

#### 8.

# Observation(s):

- 1. Portion of road leading to Portion A and Portion B2 shall be kept clear of dusty and muddy materials.
- 2. Slope protection work in Portion A shall be maintained properly to minimize dust dispersion and surface runoff.
- 3. The accumulated uprooting trees is found behind the wetsep in Portion B2.

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

- 1. The Contractor has been reminded to clear dusty and muddy material on the portion of road leading to Portion A and Portion B2.
- 2. The Contractor has been reminded to apply surface protection on the exposed slope in Portion A.
- 3. The accumulated uprooting trees shall be covered with impervious sheets, placed in an area sheltered on the top and the 3 sides or disposed properly.

**9**1

	Environmental Team's Representative:	Independent Environmental Checker's Representative:	Contractor's Representative:	Employee's Representative
Signature:	A	1	m	-Hv.
Name:	Andy Ng	1	Kristy Wong	Sylvia Ho
Date:	29 May 2023	1	29 May 2023	29 May 2023

#### PART I Follow-up status of the previous site inspection



The exposed slope surface near the stream has been covered with impervious sheets as a temporary mitigation measure. Shotcrete will be applied to the exposed surface by the end of April to prevent surface runoff into channel in long term.



The slope protection in Portion E3-1 is conducting in progress by contractor to minimize the high suspended solid surface runoff to treat by silt removal facilities & avoid it directly discharged to channel.

#### 2 May 2023



Waiting for Contractor's Input

Water in the drip tray shall be cleared off at Portion A.

Environmental Site Inspection Checklist (Rev. 3)

Observation and Recommendation	Follow-up status
8 May 2023         Image: start of the	Waiting for Contractor's Input
<image/> <image/> <image/>	The silt removal facilities in Portion E3-1 were monitored and maintained in good condition by contractor.

Environmental Site Inspection Checklist (Rev. 3)

**Observation and Recommendation** Follow-up status <u>15 May 2023</u>

Observation:

The accumulate of the uprooting of trees without covered entirely by impervious sheeting or placed in an area sheltered on the top and the 3 sides were found at the work area at SBA.



The accumulation of the uprooting of trees in SBA are continuously removed by contractor.

#### 15 May 2023



Observation:

The accumulate water was found at the lower area at the Portion D. The contractor has been recommended that the surface water should be collected to silt removal facilities.



The accumulate water was diverted to the silt removal facilities at Portion D.

leakage was found.

Environmental Site Inspection Checklist (Rev. 3)



Environmental Site Inspection Checklist (Rev. 3)

Observation and Recommendation



#### 22 May 2023

Observation:

The unrooting trees at Portion A was not covered by impervious sheeting and or placed in an area sheltered on the top and the 3 sides within a day of demolition.



The unrooting trees at Portion A was removed by contractor.





Observation:

The sand and soil near the channel at Portion E3-1 were found. The contractor was recommended to avoid the untreated surface runoff contaminated with related materials discharged to channel directly. All construction runoffs should be collected to silt removal facilities for treatment.



The sand and soil near the channel at Portion E3-1 was removed by contractor.

# PART II Observation and recommendation identified during the environmental site inspection

Observation and Recommendation	Follow-up status
Portion B2	Portion B2
	The entrance / exit at Portion B2 was cleaned by contractor. Portion A Waiting for Contractor's Input
Portion A	
1. Partias of road loading to Partias A and Partias P2 aball be kinet along of	
1. Portion of road leading to Portion A and Portion B2 shall be kept clear of dusty and muddy materials.	



### PART III Temporary surface water drainage system photo record during the environmental site inspection









# Appendix K Environmental Mitigation Implementation Schedule (EMIS)

Environmental Mitigation Implementation Schedule (EMIS) Construction Phase Recommended Precautionary/Mitigation Measures EIA EM&A Objectives of the Who to Location of the What requirement or Status Ref. Log (to be implemented when the trigger level is exceeded, where Recommended implement measures standards for the Ref. necessarv) Measures & Main the measures to achieve? Concerns to address measures? Air Quality S3.8. S3.1.8 The contractor shall follow the procedures and requirements given in the Good construction Entire NENT To control the dust Contractor  $\checkmark$ Air Pollution Control (Construction Dust) Regulation. I andfill impact to within the 1 site practices to • Dust emission from construction vehicle movement is confined control the dust Extension site HKAQO and TM - EIA criteria (Ref. 1-hr and within the worksites area. impact at the nearby sensitive receivers to 24hr TSP levels are 500 ٠ Watering facilities will be provided at every designated vehicular within the relevant  $\mu$ g/m⁻³ and 260  $\mu$ g/m⁻³, exit point. Good site practice is recommended during construction phase. criteria. respectively) ٠ Construction Noise S4 S4.9 Use of good site practices to limit noise emissions by considering the Control construction Entire Noise Control Ordinance 1) Contractor  $\checkmark$ airborne noise by construction following: Only well-maintained plant should be operated on-site and plant means of good site site • should be serviced regularly during the construction programme; practices Machines and plant (such as trucks, cranes) that may be in ٠ 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, ٠ be orientated so that the noise is directed away from nearby NSRs; Silencers or mufflers on construction equipment should be properly ٠ fitted and maintained during the construction works; ٠ Mobile plant should be sited as far away from NSRs as possible and practicable; ٠ 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 2) Select "Quiet plants" which comply with the BS 5228 Part 1 or TM Reduce the noise Entire Noise Control Ordinance  $\checkmark$ Contractor levels of plant items construction & its TM standards. site Annex 5. TM-EIA

EIA EM&A Ref. Log Ref	Recommended Precautionary/Mitigation Measures (to be implemented when the trigger level is exceeded, where necessary)	Objectives of the Recommended Measures & Main	Who to implement the	Location of the measures	What requirement or standards for the measures to achieve?	Status
Construction Run	nff	Concerns to address	measures?			
Construction Rund S5.8.1 S5.2.1	<ul> <li>Off</li> <li>At the start of site Runoff</li> <li>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. 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.</li> <li>The dikes or embankments for flood protection should be implemented around the boundaries of earthwork areas. Temporary ditches should be provided to facilitate the runoff discharge into an appropriate watercourse, through a silt/sediment trap. The sediment/silt traps should be incorporated in the permanent drainage channels to enhance deposition rates.</li> <li>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.</li> <li>Construction works 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. 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.</li> <li>The overall slope of the site should be kept to a minimum to reduce the erosive potential of surface water flows, and 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.</li> <li>All drainage facilities and erosion and sediment control structures should be regularly inspected and maintained to ensure proper and efficient operation at all times and particularly following rainstorms.<td>Control construction runoff and erosion from site surface, drainage channel, stockpiles, wheel washing facilities, etc to minimize water quality during construction stage</td><td>Contractor</td><td>Entire construction site</td><td>ProPECC PN 1/94 Water Pollution Control Ordinance</td><td></td></li></ul>	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	

EIA	EM&A	Recommended Precautionary/Mitigation Measures	Objectives of the	Who to	Location of	What requirement or	ve?					
Ref.	Log	(to be implemented when the trigger level is exceeded, where necessary)	Recommended	implement	the	standards for the	Oldius					
1101.	Ref		Measures & Main	the	measures	measures to achieve?						
			Concerns to address	measures?	modelioo							
Constru	L Ction Runo	l ff (Cont'd)		mododi ob:								
S5.8.1	S5.2.1	Measures should be taken to minimise the ingress of site drainage into	Control construction	Contractor	Entire	ProPECC PN 1/94	$\checkmark$					
		excavations. If the excavation of trenches in wet periods is necessary,	runoff and erosion		Construction		•					
		they should be dug and backfilled in short sections wherever	from site surface,		site	Water Pollution Control						
1		practicable. Water pumped out from trenches or foundation	drainage channel,		onto	Ordinance						
		excavations should be discharged into storm drains via silt removal	stockpiles, wheel									
		facilities.	washing facilities, etc									
		<ul> <li>Open stockpiles of construction materials (for example, aggregates,</li> </ul>	to minimize water									
		sand and fill material) of more than 50 m ³ should be covered with	quality during									
		tarpaulin or similar fabric during rainstorms. Measures should be taken	construction stage									
		to prevent the washing away of construction materials, soil, silt or	eenen aenen etage									
		debris into any drainage system.										
		<ul> <li>Manholes (including newly constructed ones) should always be</li> </ul>										
		adequately covered and temporarily sealed so as to prevent silt,										
		construction materials or debris being washed into the drainage										
		system and storm runoff being directed into foul sewers.										
		<ul> <li>Precautions to be taken at any time of year when rainstorms are likely,</li> </ul>										
		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.										
		<ul> <li>All vehicles and plant should be cleaned before leaving a construction</li> </ul>										
		site to ensure no earth, mud, debris and the like is deposited by them										
		on roads. An adequately designed and sited wheel washing bay										
		should be provided at every construction site exit. Wash-water should										
		have sand and silt settled out and removed at least on a weekly basis										
		to ensure the continued efficiency of the process. 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.										
		Oil interceptors should be provided in the site drainage system     downetroom of any oil/fuel pollution sources. The oil interceptore										
		downstream of any oil/fuel pollution sources. 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										
1		spillage. A bypass should be provided for the oil interceptors to										
·		prevent flushing during heavy rain.										

EIA	EM&A	Recommended Precautionary/Mitigation Measures	Objectives of the	Who to	Location of	What requirement or	Status
Ref.	Log	(to be implemented when the trigger level is exceeded, where necessary)	Recommended	implement	the	standards for the	
	Ref		Measures & Main Concerns to	the	measures	measures to achieve?	
			address	measures?			
Constru	Iction Runo	ff	duitess				
S5.8.1	S5.2.1	Construction solid waste, debris and rubbish on site should be	Control construction runoff	Contractor	Entire construction	ProPECC PN 1/94	$\checkmark$
		collected, handled and disposed of properly to avoid water quality impacts. Requirements for solid waste management are detailed in Section 6 of this Report.	and erosion from site surface,		site	Water Pollution Control Ordinance	
		<ul> <li>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</li> </ul>	drainage channel, stockpiles, wheel washing facilities,				
		<ul> <li>reaching water sensitive receivers nearby.</li> <li>To prevent pollution risks arising from works area (waste reception area) and haul roads, intercepting bund or barrier along the roadside should be constructed.</li> </ul>	etc to minimize water quality during construction stage				
S5.8.1	S5.2.1	Sewage Effluent from Workforce	Control sewage	Contractor	On-site	ProPECC PN 1/94	$\checkmark$
		<ul> <li>Portable chemical toilets and sewage holding tanks are recommended for handling the construction sewage generated by the workforce. A licensed contractor should be employed to provide appropriate and adequate portable toilets and be responsible for appropriate disposal and maintenance.</li> <li>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.</li> <li>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.</li> </ul>	effluent arising from the sanitary facilities provided for the on- site construction workforce		sanitary facilities	Water Pollution Control Ordinance Waste Disposal Ordinance	
S5.8.1	S5.2.1	Accidental Spillage of Chemical Any service workshop and maintenance facilities shall be located within a bunded area, and sumps and oil interceptors shall be provided. 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	✓

EIA	EM&A	Recommended Precautionary/Mitigation Measures	Objectives of the	Who to	Location of	What requirement or	Status
Ref.	Log	(to be implemented when the trigger level is exceeded, where necessary)	Recommended	implement	the	standards for the	
	Ref		Measures & Main	the	measures	measures to achieve?	
			Concerns to	measures?			
			address				
Erosion	Control Me	easures					1
S5.8.2	S5.2.2	<ul> <li><u>Erosion Control /Measures</u></li> <li>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.</li> <li>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.</li> <li>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.</li> <li>d. Ground Cover</li> </ul>	Erosion control	Contractor	Drainage system	ProPECC PN 1/94 Water Pollution Control Ordinance	✓
		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.					

EIA	EM&A	Recommended Precautionary/Mitigation Measures	Objectives of the	Who to	Location of	What requirement or	Status
Ref.	Log	(to be implemented when the trigger level is exceeded, where necessary)	Recommended	implement	the	standards for the	
	Ref		Measures & Main	the	measures	measures to achieve?	
			Concerns to	measures?			
			address				
Erosion	Control Me	easures		•			
S5.8.2	S5.2.2	e. Hydraulic Application	Erosion control	Contractor	Drainage	ProPECC PN 1/94	$\checkmark$
		Hydraulic application is a mechanical method of applying erosion control			system		
		materials to bare soil in order to establish erosion-resistant vegetation on				Water Pollution Control	
		disturbed areas and critical slopes. By using hydraulic equipment, soil				Ordinance	
		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.					
		f. Sod					
		Establishes permanent turf for immediate erosion protection and stabilizes					
		rainageways.					
		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.					
		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.					
		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.					

EIA Ref.	EM&A Log Ref	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
Surface W	/ater Drainag	de System					
S5.8.2	\$5.2.2	Temporary surface water drainage system will be provided to manage runoff during construction and operation. This system will consist of channels as constructed around the perimeter of the site area. This system will collect surface water from the areas of higher elevations to those of lower elevations and ultimately to the point of discharge. Erosion will therefore be minimised. 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. Regular cleaning will be carried out to prevent blockage of the passage of water flow in silt fence. 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. 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.	Surface Water Management/ Control run off	Contractor	Surface water system Construction	Water Pollution Control Ordinance TM-water	✓

#### North East New Territories (NENT) Landfill Extension

Environmental Mitigation Implementation Schedule (EMIS) Construction Phase EIA EM&A **Recommended Precautionary/Mitigation Measures** Objectives of the Who to Location of What Status Ref. Log (to be implemented when the trigger level is exceeded, where necessary) Recommended implement the measures requirement or Ref Measures & Main the standards for the Concerns to measures? measures to address achieve? Waste Management S6 WM1 C&D Materials Good site Entire Waste Disposal Contractor  $\checkmark$ Implement proper waste management measures during construction phase as stipulated construction Ordinance practice to in the Environmental Management Plan (EMP) in accordance with the ETWB TC(W) No. minimise C&D site 19/2005 Environmental Management in Construction Sites. waste generation ETWB TC(W) No. 19/2005 and Implement a trip-ticket system to ensure that the movement of C&D materials are properly reuse/recycle all documented and verified in accordance with DEVB TC(W) No. 6/2010. C&D on-site as DEVB TC(W) Copies/counterfoils from trip-tickets (with quantities of C&D Materials off-site) should be far as possible No. 6/2010 kept for record purposes. Appropriate waste management should be implemented in accordance with the ETWB TC(W) No. 19/2005. 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. The contract specifications should specify no excavated materials should be removed from the landfill extension site, but should be fully reused. Careful design, planning and good site management to minimise over-ordering and waste materials such as concrete, mortars and cement grouts. The design of formwork should maximise the use of standard wooden panels so that high reuse levels can be achieved. Alternatives such as steel formwork or plastic fencing should be considered to increase the potential for reuse. The Contractor should recycle as much as possible the C&D waste on-site through proper waste segregation on-site. 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.

EIA	EM&A	ation Implementation Schedule (EMIS) Construction Phase	Objectives of the	Who to	Location of	What	Status
Ref.	Log Ref	(to be implemented when the trigger level is exceeded, where necessary)	Recommended Measures & Main Concerns to address	implement the measures?	the measures	requirement or standards for the measures to achieve?	
S6	WM1	<ul> <li><u>C&amp;D Materials (Cont'd)</u></li> <li>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. Appropriate measures to minimise windblown litter and dust during transportation of waste by either covering trucks or by transporting wastes in enclosed containers.</li> <li>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.</li> <li>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.</li> <li>Training of site personnel for cleanliness, proper waste management procedures including chemical waste handling, and waste reduction, reuse and recycling concepts.</li> <li>Regular cleaning and maintenance programme systems, sumps and oil interceptors.</li> <li>Prior to disposal of C&amp;D waste, wood, steel and other metals should be separated for reuse and/or recycling to minimise the quantity of waste to be disposed of to landfill. Proper storage and site practices should be implemented to minimise the potential for damage or contamination of construction materials.</li> <li>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.</li> </ul>	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	✓
S6	WM2	<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. 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	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	✓

EIA	EM&A	ation Implementation Schedule (EMIS) Construction Phase Recommended Precautionary/Mitigation Measures	Objectives of the	Who to	Location of	What	
Ref.	Log Ref	(to be implemented when the trigger level is exceeded, where necessary)	Recommended Measures & Main Concerns to address	implement the measures?	the measures	requirement or standards for the measures to achieve?	
S6	WM2	<ul> <li><u>Chemical Waste (Cont'd)</u></li> <li>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.</li> <li>The storage area for chemical wastes should be clearly labelled and used solely for storage of chemical waste, 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, whichever is the greatest, having adequate ventilation, being covered to prevent rainfall entering, and being arranged so that incompatible materials are adequately separated.</li> <li>Chemical waste should be collected by licensed waste collectors and disposed of at licensed facility, e.g. Chemical Waste Treatment Centre.</li> </ul>	Ensure proper disposal of chemical waste generated on-site to minimise the associated hazards on human health and environment.	Contractor	Entire construction site	Waste Disposal (Chemical Waste) General Regulation Code of Practice on the Packaging, Labelling and Storage of Chemical Waste	<ul> <li>✓</li> </ul>
S6	WM3	General Refuse         General refuse generated on-site should be properly stored in enclosed bins or compaction units separately from construction and chemical wastes.         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. Regular collection should be arranged by an approved waste collector in purpose-built vehicles that minimise environmental impacts during transportation         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.	Minimise generation of general refuse to avoid odour, pest and visual nuisance	Contractor	Entire construction site	Waste Disposal Ordinance	✓

EIA	EM&A	Recommended Precautionary/Mitigation Measures	Objectives of the	Who to	Location of	What	
Ref.	Log	(to be implemented when the trigger level is exceeded, where necessary)	Recommended	implement	the measures	requirement or	
	Ref		Measures & Main	the		standards for the	
			Concerns to	measures?		measures to	
			address			achieve?	
S6	WM3	General Refuse (Cont'd)	Minimise	Contractor	Entire	Waste Disposal	$\checkmark$
		Office waste paper should recycled if the volume warrant collection by recyclers.	generation of		construction	Ordinance	
		Participation in community waste paper recycling programme should be considered by	general refuse to		site		
		the Contractor, including waste paper, aluminium cans, plastic bottles, waste batteries,	avoid odour, pest				
		etc.	and visual				
			nuisance				

EIA	EM&A	ation Implementation Schedule (EMIS) Construction Phase Recommended Precautionary/Mitigation Measures	Objectives of the	Who to	Location of	What requirement or	Status
Ref.	Log Ref	(to be implemented when the trigger level is exceeded, where necessary)	Recommended Measures & Main Concerns to address	implement the measures?	the measures	standards for the measures to achieve?	
LFG							
		dfill Extension					
S7	LFG1	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)	<b>√</b>
S7	LFG2	Prominent safety warning signs should be erected on-site to alert all personnel and visitors of LFG hazards during excavation works.				F&IU (Confined Spaces) Regulations	V
S7	LFG3	No smoking or burning should be permitted on-site.				Code of Practice on Safety	$\checkmark$
S7	LFG4	Prominent 'No smoking' and 'No Naked Flames' signs should be erected on-site.				and Health at Work in Confined Spaces	Ń
S7	LFG5	No worker should be allowed to work alone at any time in excavated trenches or confined areas on-site.					V
S7	LFG6	Adequate fire fighting equipment should be provided on-site.					$\checkmark$
S7	LFG7	Construction equipment should be equipped with vertical exhaust at least 0.6m above ground installed with spark arrestors.					Ý
S7	LFG8	Electrical motors and extension cords should be explosion-proof and intrinsically safe for use on-site.					Ý
S7	LFG9	'Permit to Work' system should be implemented.					$\checkmark$
S7	LFG10	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.					Ý
S7	LFG11	For piping assembly or conduit construction, all valves and seals should be closed immediately after installation to avoid accumulation and migration of LFG. If installation of large diameter pipes (diameter >600mm) is required, the pipe ends should be sealed on one side during installation. Forced ventilation is required prior to operation of installed pipeline. Forced ventilation should also be required for works inside trenches deeper than 1m.	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	*
S7	LFG12	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.				and Health at Work in Confined Spaces	Ý

EIA	EM&A	Recommended Precautionary/Mitigation Measures	Objectives of the	Who to	Location of	What requirement or	Status
Ref.	Log Ref	(to be implemented when the trigger level is exceeded, where	Recommended	implement	the measures	standards for the measures	
		necessary)	Measures & Main	the		to achieve?	
			Concerns to	measures?			
			address				
LFG							
		dfill Extension					
S7	LFG13	For excavation works, LFG monitoring should be conducted (1)	To minimise the risk	Contractor	Entire	Landfill Gas Hazard	$\checkmark$
		at ground surface prior to excavation, (2) immediately before	of LFG hazards to		construction	Assessment Guidance Note	
		workers entering excavations, (3) at the beginning of each half-	personnel in		site	(EPD/TR8/97)	
		day work, and (4) periodically throughout the working day when	construction site				
		workers are in the excavation.				F&IU (Confined Spaces)	
S7	LFG14	Any cracks on ground level encountered on-site should be				Regulations	$\checkmark$
		monitored for LFG periodically. Appropriate action should be					
		taken in accordance with the action plan in Table 7.6 of EIA				Code of Practice on Safety	
		Report.				and Health at Work in	
S7	LFG15	LFG precautionary measures involved in excavation and piping				Confined Spaces	$\checkmark$
		works should be provided in accordance with LFG Guidance					
		Note and included in Safety Plan of construction phase.					
		Temporary offices or buildings should be located where free LFG					
		has been proven or raised clear of ground at a separation					
S7	LFG16	distance of at least 500mm. For large development such as NENT landfill extension, a Safety					
57	LFG10	Officer trained in the use of gas detection equipment and LFG-					$\checkmark$
		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%					
S7	LFG17	Periodically during groundwork construction, the works area					$\checkmark$
		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. Routine monitoring should be					
		carried out in all excavations, manholes,					
		created by temporary storage of building materials on-site. All					
		measurements in excavations should be made with monitoring					
		tube located not more than 10mm from exposed ground surface.					

EIA Ref.	EM&A Log Ref	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
S7	NENT Lan	<ul> <li>dfill Extension (Cont'd)</li> <li>For excavations deeper than 1m, measurements should be conducted:</li> <li>At ground surface before excavation commences;</li> <li>Immediately before any worker enters the excavation;</li> <li>At the beginning of each working day for entire period the excavation remains open; and</li> <li>Periodically throughout the working day whilst workers are in excavation.</li> </ul>	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	✓
S7 S7	LFG19 LFG20	<ul> <li>For excavations between 300mm and 1m, measurements should be conducted:</li> <li>Directly after excavation has been completed; and</li> <li>Periodic all whilst excavation remains open.</li> <li>For excavations less than 300mm, monitoring may be omitted at the discretion of Safety Officer or appropriately qualified person.</li> </ul>				Code of Practice on Safety and Health at Work in Confined Spaces	<ul> <li>✓</li> <li>✓</li> </ul>

Environ	mental iviitig	ation Implementation Schedule (EMIS) Construction Phase	•			•	
EIA	EM&A	Recommended Precautionary/Mitigation Measures	Objectives of the	Who to	Location of	What requirement or	Status
Ref.	Log	(to be implemented when the trigger level is exceeded, where	Recommended	implement	the measures	standards for the measures	
	Ref	necessary)	Measures & Main	the		to achieve?	
			Concerns to	measures?			
			address				
Lands	cape and \	/isual Phases					
S8	LV1	Advanced screening tree planting	To minimise the	Contractor	Entire	DEVB TC(W) No. 4/2020 -	Advanced screen tree
_		Early planting using fast growing trees and tall shrubs at	impact on existing	-	construction	Tree Preservation	planting is under planning.
		strategic locations within site to block major view corridors	vegetation retained		site		
		to the site from the VSRs, and to locally screen haul roads,	by personnel in			DEVB TC(W)) No. 6/2015 -	
		excavation works and site preparation works.	construction			Maintenance of Vegetation	
		<ul> <li>Roadside planter and shrub planting design in front of</li> </ul>	To provide initiation			and Hard Landscape	
		Cheung Shan Temple.	on permanent			Features	
S8	LV2	Boundary Green Belt planting	landscape and				To be implemented during
		Considerable planting belts proposed around the site	visual mitigation			DEVB TC(W) No. 6/2011 -	operation phase
		perimeter and the construction of temporary soil bunds will	measures			Maintenance of Man-made	operation phase
		screen the landfill operations to a certain degree. Fast				Slopes and Emergency	
		growing and fire resistant plant species will be used.				Repair on Stability of Land	
S8	LV3	Temporary landscape treatment as green surface cover					Grass hydroseeding will be
30		For certain areas where landfilling operations would have					applied at Portion E3-2.
							applied at Fortion E3-2.
		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					
<u> </u>	1.1/4	cover if applicable.					
S8	LV4	Existing tree preservation					$\checkmark$
		Transplant existing trees and vegetation, which are     identified as applearingly significant in Easlering Impact					
		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.					

EIA	EM&A	Recommended Precautionary/Mitigation Measures	Objectives of the	Who to	Location of	What requirement or	Status
Ref.	Log Ref	(to be implemented when the trigger level is exceeded, where necessary)	Recommended Measures & Main Concerns to address	implement the measures?	the measures	standards for the measures to achieve?	Status
Ecolo							
Gener	al Protection	on Measures:		-			
S10	E1	Restriction of construction activities to the work areas that would be clearly demarcated.	To minimise environmental	Contractor	Entire construction	Practice Note for Professional Persons (ProPECC),	$\checkmark$
S10	E2	Reinstatement of the work areas immediately after completion of the works.	impacts and therefore potential		site	Construction Site Drainage (PN1/94)	×
S10	E3	Only well-maintained plant should be operated on-site and plant should be serviced regularly during the construction programme.	ecological impacts within and near the construction site			Code of Practice on the Packaging, Labelling and	V
S10	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.	-			Storage of Chemical Wastes, EPD (1992)	V
S10	E5	Plant known to emit noise strongly in one direction, where possible, be orientated so that the noise is directed away from nearby NSRs.				ETWB TC(W)) No. 33/2002 Management of Construction and Demolition Material	V
S10	E6	Silencers or mufflers on construction equipment should be properly fitted and maintained during the construction works.				Including Rock	To be implemented
S10	E7	Mobile plant should be sited as far away from NSRs as possible and practicable.				DEVB TC(W) No. 6/2010 Trip Ticket System for Disposal of	×
S10	E8	Material stockpiles, site office and other structures should be effectively utilised, where practicable, to screen noise from on- site construction activities.				Construction and Demolition Materials ETWB TC(W)No.19/2005	V
S10	E9	Use of "quiet" plant and working methods.				Environmental Management	$\checkmark$
S10	E10	Construction phase mitigation measures in the Practice Note for Professional Persons on Construction Site Drainage.				on Construction Sites	×

North East New Territories (NENT) Landfill Extension

Environ	nvironmental Mitigation Implementation Schedule (EMIS) Construction Phase									
EIA Ref.	EM&A Log Ref	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			
Ecolo	gy									
Gene	ral Protec	tion Measures:								
S10	E11	Design and set up of the temporary on-site drainage system will be undertaken by the contractor prior to the commencement of construction.	To minimise environmental impacts and	Contractor	Entire construction	WBTC No. 12/2002, Specifications Facilitating the Use of Recycled Aggregates	✓			
S10	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.	therefore potential ecological impacts within and near the			WBTC Nos. 25/99,25/99A and 25/99C. Incorporation of Information on Construction	V			
S10	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.	construction site			and Demolition Material Management in Public Works Subcommittee Papers	V			
S10	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.					V			
S10	E15	Provision of oil interceptors in the drainage system downstream of any oil/fuel pollution sources					×			

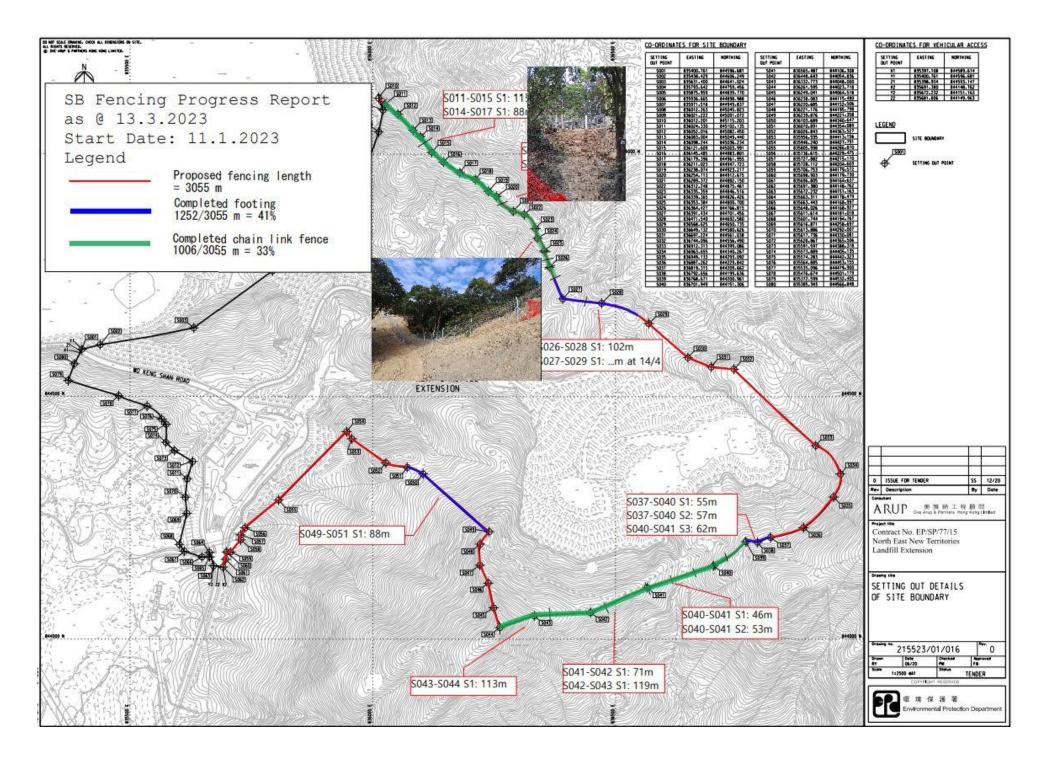
# Appendix L Construction Site Activities

Construction Activities	Photos	When	Where	Who	What - ENV Impacts	Mitigation Measures
Material loading and unloading, site traffic		Dec 22 to Dec 23	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
Permanent site office foundation works with pouring of concrete		Dec 22 to June 23	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		Dec 22 to June 23	Portion A, Portion E3-1	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		Dec 22 to June 23	Portion A, Portion B1, Portion E4	PYE	Dust	Covering of cement storage area, enclosure of mixing area
Site formation		Dec 22 to Dec 23	Portion A, Portion E3-1	PYE	Generation of C&D waste	Implementation of trip ticket system, waste recycling, internal waste transfer
Tree Felling		Dec 22 to June 23	Portion E3-1, E4	PYE	Generation of yard waste	Implementation of trip ticket system, waste recycling, internal waste transfer

Remark:

PYE is the Sub-contractor for this project.

# Appendix M Mitigation Measures of Cultural Landscape Features



# Appendix N Ecological Monitoring Record

Post-translocation monitoring photo record extracted from post-translocation report (May 2023)





### B.1 Incense Tree Aquilaria sinensis



Photo B.1.1. : General view of the transplanted individual AS-03.



Photo B.1.2. : Stem condition of the transplanted individual AS-03.



Photo B.1.3. : General view of the transplanted individual AS-02.



Photo B.1.4. : Stem condition of the transplanted individual AS-02.



#### B.2 Lamb of Tartary *Cibotium barometz*



Photo B.2.1. : General view of the transplanted individual CB-01.



Photo B.2.3. : Leaf condition of the new foliage.



Photo B.2.2. : New foliage of the transplanted individual CB-01.



Photo B.2.4. : General view of the transplanted individual CB-01.



## *B.3* Bottlebrush Orchid Goodyera procera



Photo B.3.1: Individual GP-01. Flower withering.



Photo B.3.3: Individual GP-03.



Photo B.3.2: Individual GP-02.



Photo B.3.4: Individual GP-03. Holes in leaves.





Photo B.3.5: Individual GP-04.



Photo B.3.6: Individual GP-04. Wilted flower.



Photo B.3.7: Individual GP-05.



Photo B.3.8: Individual GP-05. Wilted flower.





Photo B.3.9: Individual GP-06.



Photo B.3.10: Individual GP-06. Wilted flower.



Photo B.3.11: Individual GP-07.



Photo B.3.12: Individual GP-07. Partially wilted leaf.





Photo B.3.13: Individual GP-08.

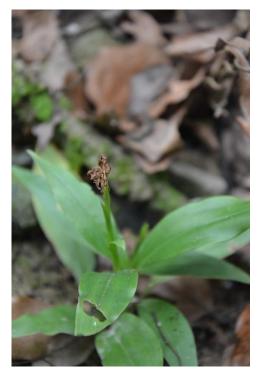


Photo B.3.14: Individual GP-08. Wilted flower.



Photo B.3.15: Individual GP-09. Wilting flower.



Photo B.3.16: Individual GP-10. Wilted flower.





Photo B.3.17: Individual GP-11. Flowering.



Photo B.3.18: Individual GP-11. Wilted flower.



Photo B.3.19: Individual GP-12.



Photo B.3.20: Individual GP-13.





Photo B.3.21: Individual GP-14.



Photo B.3.22: Individual GP-14. Wilted flower.



Photo B.3.23: Individual GP-15.

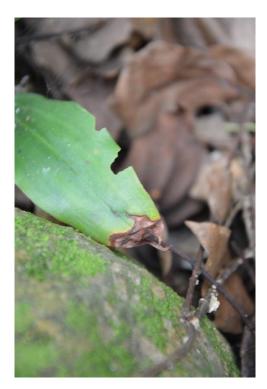


Photo B.3.24: Individual GP-15. Partially wilted leaves.





Photo B.3.25: Individual GP-16.



Photo B.3.26: Individual GP-16. Wilted flower.



Photo B.3.27: Individual GP-17.



Photo B.3.28: Individual GP-18.





Photo B.3.29: Individual GP-18. Wilted flower.



Photo B.3.30: Individual GP-19. Flowering.



Photo B.3.31: Individual GP-19. Wilted flower.



## Appendix O Detail Status of EP Submission

FEP Condition	EP Condition	Submission / Measures	Status
2.1	2.3	Management Organization of Main Construction Companies	Submission Date (12 Oct 2022)
2.2	2.4	Setting up of Community Liaison Group (CLG)	Submission Date (12 Oct 2022)
			1 st CLG meeting (12 Jan 2023)
2.3	2.5	Submission of EM&A Manual	Submission Date (12 Oct 2022)
2.4	2.6	Submission of Preservation of Cultural Landscape Features	Survey and Preservation of Grave Records: Submission Date (15 Oct 2022)
			Survey and Preservation of Boulder Paths: Submission Date (12 Oct 2022)
2.5	2.7	Submission of Vegetation Survey (Transplantation Proposal)	Submission Date (2 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	Submission Date (19 Jan 2023)
		Monitoring	1 st monitoring (24 Nov 2022)
			2 nd monitoring (9 Dec 2022)
			3 rd monitoring (21 Dec 2022)
			4 th monitoring (13 Jan 2023)
			5 th monitoring (26 Jan 2023)
			6 th monitoring (8 Feb 2023)
			7 th monitoring (24 Feb 2023)
			8 th monitoring (20 Mar 2023)
			9 th monitoring (21 Apr 2023)
			10 th monitoring (17 May 2023)

#### Detail Status of Submissions required under the FEP & EP

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)
			1 st monitoring (29 Aug 2022)
			2 nd monitoring (28 Sep 2022)
			3 rd monitoring (28 Oct 2022)
			4 th monitoring (28 Oct 2022)
			5 th monitoring (29 Dec 2022)
			6 th monitoring (30 Jan 2023)
			7 th monitoring (24 Feb 2023)
			8 th monitoring (20 Mar 2023)
			9 th monitoring (19 Apr 2023)
			10 th monitoring (12 May 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)

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